

The Course Catalogue 2013-2014



Brookline High School

BROOKLINE HIGH SCHOOL

Deborah Holman, Headmaster
Harold Mason, Assistant Headmaster

DEANS OF STUDENTS (*School Year 2013-2014*)

Diane Lande, Dean of Students (Grades 10/12)
Dr. Adrian Mims, Dean of Students (Grades 9/11)

Melanee Alexander, Associate Dean (Grade 10)
Scott Butchart, Associate Dean (Grade 9)
Anthony Meyer, Associate Dean (Grade 12)
Alexia Thomas, Associate Dean (Grade 11)

SCHOOL WITHIN A SCHOOL

Dan Bresman, Coordinator

BROOKLINE OPPORTUNITY FOR CHANGE

Brian Poon, Coordinator

WINTHROP HOUSE

Owen Minott, Coordinator

METCO PROGRAM

Keith Lezama, Coordinator

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SCHOOL COMMITTEE - 2013 - 2014

Alan Morse, Jr., Chair
Susan Wolf Ditkoff, Vice Chair
P.H. Benjamin Chang Helen Charlupski
Abby Cox Amy Kershaw
Barbara Scotto Rebecca Stone
Dr. Henry Warren

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CENTRAL ADMINISTRATION

Dr. William H. Lupini, Superintendent of Schools
Dr. Jennifer Fischer-Mueller, Deputy Superintendent for Teaching & Learning
Peter C. Rowe, Deputy Superintendent for Administration and Finance
Dr. Kirsten Esposito Balboni, Assistant Superintendent for Student Services
Dr. Angela Allen, Director of Human Resources

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BROOKLINE HIGH SCHOOL

DEBORAH HOLMAN, HEADMASTER
OFFICE OF THE HEADMASTER

February 2013

Dear BHS Students and Parents,

At Brookline High School I have been deeply impressed by the depth and richness of the BHS curriculum, to say nothing of the outstanding faculty that has designed it, and teaches it each day.

The BHS Course Catalogue represents the menu of course and program offerings, which constitute one of the most comprehensive educational programs offered at any high school anywhere. There are hundreds of courses -- in the traditional academic disciplines, and in our valued elective programs. There are courses at different levels of intellectual challenge, including Advanced Placement programs in 18 subjects. In addition, there are three alternative programs -- School-Within-A-School (SWS), Opportunity for Change (OFC), and Winthrop House -- that enable Brookline High to address the needs of ALL of our students.

Your responsibility is to choose the most appropriate and challenging program for you. I encourage you to read the **catalogue** carefully, and discuss it with your teachers, your counselor, and your parents—all to insure that you make the best selections you can. We have eight “blocks” in our schedule. With our demanding **graduation requirements** as reminders, I encourage you to take at least six courses. Also, please know that the course selections you make this spring determine how we staff the high school. Assigning the right number of teachers to the specific courses that students select will become even more crucial this spring as the district works to prepare the best and most fair budget for all Brookline schools. In order to maintain appropriate class sizes across all BHS programs, I will need to commit staff accurately to 2013-2014 courses by the end of this school year. What this means for students and families is that we will need you to choose courses very carefully this spring and commit to those courses as the ones you will take for 2013-2014.

Good luck in the second half of the 2012-13 school year, and, again, make sure that you make thoughtful and intentional decisions. Please let me know if I can help or advise you in any way.

Sincerely

Deborah Holman



115 GREENOUGH STREET
BROOKLINE, MA 02445
617.713.5003

DEBORAH_HOLMAN@BROOKLINE.K12.MA.US

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THE CORE VALUES OF THE BROOKLINE PUBLIC SCHOOLS

HIGH ACADEMIC ACHIEVEMENT FOR ALL STUDENTS

EXCELLENCE IN TEACHING

UNDERSTANDING AND RESPECT FOR HUMAN DIFFERENCES

COLLABORATIVE RELATIONSHIPS

EDUCATIONAL EQUITY

MISSION STATEMENT

The mission of Brookline High School is to develop capable, confident life-long learners who contribute to their community, participate thoughtfully in democracy, and succeed in a diverse and evolving global society.

INSTITUTIONAL GOALS

- To provide intellectual and personal challenge with support for all students
- To deliver instruction which blends the traditional with the innovative, emphasizing both the acquisition of knowledge and its application
- To encourage in students the curiosity to ask questions and the resourcefulness to find answers
- To develop clear communication and creative expression in a variety of media
- To celebrate diversity so that our students gain an understanding of differences and an appreciation of our essential kinship

To these ends, the administration, faculty, staff and students work together to provide a safe setting in which all can flourish as members of this community.



EXPECTATIONS FOR STUDENT PERFORMANCE

I. CONTENT KNOWLEDGE AND UNDERSTANDING

Brookline High School students:

- develop the skills and knowledge described in the BHS course syllabi.
- develop the skills and knowledge to succeed on a variety of mandated internal and external assessments.
- meet Graduation Requirements as defined by the Brookline School Committee.

II. COGNITIVE POWERS/CRITICAL THINKING

Brookline High School students:

- analyze, synthesize, and draw reasonable conclusions.

III. COMMUNICATION

Brookline High School students:

- develop skills to communicate clearly and persuasively through writing, speaking, technology, and the arts.
- develop skills in listening and reading.

IV. CITIZENSHIP/SOCIAL VALUES

Brookline High School students:

- adhere to community standards as defined by the Code of Conduct in the BHS Handbook.
- demonstrate proficiency in collaborating and negotiating with individuals of varied backgrounds.
- behave in a respectful and ethical manner.
- demonstrate understanding of multiple perspectives and respect for human differences.

V. LIFE SKILLS

Brookline High School students:

- develop organizational and time management skills.
- set goals and work to achieve them.

PLANNING YOUR HIGH SCHOOL PROGRAM

Whether you are planning to go on to college, a technical school, or a job, it is important to build your high school program carefully. You want to be sure that you will first meet Brookline High School's graduation requirements in addition to those for a college and/or job, and also take advantage of the wide range of course offerings at The High School.



GRADUATION REQUIREMENTS

In order to graduate from Brookline High, students must satisfy the following Graduation Requirements:

English: (4 credits) # %	four years
World Languages: (2 credits) %	two years in one language
Mathematics: (3 credits)	three years
Science: (3 credits)	three years
Social Studies: (3 credits)	three years (World History I and II, U. S. History) #
Career and Technology Education, Community Service, Performing Arts and Visual Arts: (3 credits)	three years distributed across at least three of these program areas
Health and Fitness (1 credit)	Health and Fitness must be taken each year
Massachusetts MCAS exams	Exams passed in 3 areas: ELA, Mathematics, and Science & Technology

Minimum Course Requirements (22 total credits, including the following 19 required credits)

- # These course requirements are mandated by the State and cannot be modified.
 % Some students will achieve some of these credits by studying English as a Second Language

Exceptions:

We have a responsibility to provide a challenging program for every student which reflects the particular strengths and weaknesses of the student. Alternative programs and/or some modification of the Graduation Requirements are available. The alternatives below offer reasonable flexibility to satisfy Graduation Requirements and enable all students to experience academic success. In appropriate circumstances, the student's administrator may recommend a modification to the Graduation Requirements for approval by the Headmaster and Superintendent of Schools.

1. **Elective Pathway Alternative** –
 A “pathway” of three progressively advanced credits in either Performing Arts, Visual Arts, or Career and Technology Education may substitute for:
 - a. the distribution requirement in electives
 - or
 - b. two credits in World Languages, Mathematics, Science, or Social Studies, except that only one credit may be substituted in any of the four disciplines cited above.
2. **Academic Support Alternative** - Students enrolled in Learning Center or another academic support program (like the BHS Tutorial) may substitute two Learning Center credits for two credits in World Languages, Mathematics, Science, or Social Studies, except that only one credit may be substituted in any of the four disciplines cited above. This exception may not be combined with 1 (b). However, students in the Learning Center are eligible for the “pathway” exception in 1 (a).
3. A “**Waiver of Graduation Requirements**” may also be recommended, in writing, by the Headmaster for approval by the Superintendent of Schools. A waiver may be recommended for students who, because of extraordinary circumstances, have not satisfied all of the Graduation Requirements but, in the considered view of the Headmaster, have achieved the learning expectations of The High School.



PREPARATION FOR COLLEGE/ TECHNICAL SCHOOL/WORK

Most colleges suggest that you take a challenging and well-rounded academic program. Four-year colleges generally require (less than the BHS Graduation Requirements):

- four years of English
- at least two or three years of a foreign language
- three years of mathematics (Geometry, Algebra II, Advanced Algebra)
- two or three years of a laboratory Science (Physics, Biology, Chemistry)
- two years of social studies (including U. S. History)

Students should keep in mind the following minimum requirements for admission to Massachusetts state colleges and universities. Sixteen college preparatory courses distributed as follows are required. A course is equivalent to one full school year of study.

English	4 courses
World Languages	2 courses (in a single language)
Mathematics	3 courses
Science	3 courses
Social Studies	2 courses (including 1 course in U. S. History)
Electives	2 courses (taken from above subjects or from the Arts & Humanities or Computer Sciences)

This is a reliable guideline to follow for most colleges. If you are interested in a specialized field or a specific college, however, you should consult your counselor and check the college catalogue for any additional requirements. For example, engineering schools may require extra mathematics and science courses. Every college catalogue lists that college's requirements for admission.

It is helpful to draw up a tentative four-year program when you are entering the ninth grade. By doing so, you can ensure that you will have a balanced program each year. Many courses are sequential, so it is necessary to plan ahead. Of course, this will only be a "blueprint" and you may want to revise it as you progress and your interests change during your high school years.

Perhaps the most important rule to follow is: Keep all your options open. If you are uncertain about your long range goals (and most high school students are), follow a broad, general program of studies which will prepare you for almost any college major. Then you will have the freedom to choose among your options as a senior, and you will not find yourself missing important courses necessary to pursue your goals. You will also want to check the Career Center for information on colleges, technical schools, and the world of work.



GRADING SYSTEM

A HONOR	B+	C+	D+	E FAILING
A-	B GOOD	C AVERAGE	D PASS	
	B-	C-	D-	

N = Failure due to lack of attendance.

I = Incomplete: Incomplete grades must be made up by the end of the next marking period if credit is to be received. The Dean's Office will determine eligibility for issuance of an "incomplete" mark.

P/F = Pass/Fail: If a student selects a course to be marked with pass/fail option, a contract needs to be negotiated IN ADVANCE. See your counselor.

GRADE POINT AVERAGE

Grade Point Averages are computed at the close of the junior year. All marks earned for grades 10 and 11 are averaged on a 4 point scale:

A	=	4.0	C	=	2.0
A-	=	3.7	C-	=	1.7
B+	=	3.3	D+	=	1.3
B	=	3.0	D	=	1.0
B-	=	2.7	D-	=	0.7
C+	=	2.3	E	=	0

N, I, P, F = Not computed into GPA

COURSE OFFERINGS

ALL COURSES IN ALL DEPARTMENTS ARE COEDUCATIONAL. In most instances, courses at Brookline High School will not be offered when there are fewer than 15 students registered. The Headmaster will recommend exceptions to the Superintendent when the elimination of a course would (1) interrupt a sequential course, e.g., second year of a language sequence, (2) affect specific courses which are a vital part of an academic high school program, e.g., advanced placement courses, (3) affect courses for seniors which are an integral part of career pursuits or post-secondary educational plans; or other good cause.

Unless otherwise noted, all courses meet 4 periods/blocks per week and have no prerequisites.



THE 21ST CENTURY FUND

The Brookline High School 21st Century Fund (BHS21, or The Fund) is a non-profit organization whose mission is to create *local solutions to national challenges in public education*. Through its programs, BHS21 helps us successfully launch every young person at Brookline High toward a dignified next step. BHS21 was founded in 1998 by a dedicated and generous group of parents, alumni/ae, and citizens of Brookline. In the tradition of innovation at BHS, the Fund allows educators to think hard about formidable educational challenges, design programs that address them, and conduct research to validate the results. If successful, these programs are incorporated into the school's budget, whenever possible. Our successes are shared nationally. To serve as an engine of innovation is a unique and inspiring role for a public high school. The Fund's mission focuses on four core objectives:

- Foster academic success for all students;
- Support the development of a world-class faculty;
- Educate students to be leaders and citizens in a changing world;
- Enhance the science, technology, engineering, and math (STEM) curricula.

Since its inception, the 21st Century Fund has invested approximately \$3 million to launch and support sixteen programs.

Over its twelve-year history, BHS21 has demonstrated a remarkably consistent and successful track record. We developed sixteen programs; eight have been fully absorbed into the school system's budget; and another five are currently being funded. A number of these programs – such as *The BHS Tutorial*, *Teachers Mentoring Teachers*, and *The African-American Scholars Program* – are regional and national models.

In the **November, 2010, 25th anniversary edition of the *Harvard Education Letter***, Harvard professor Jal Mehta writes a provocative article criticizing the century-old paradigm of school reform. Mehta writes, "The usual way to think about these elements is that university researchers will conduct research on good practices and turn their findings over to policymakers; policymakers will enact laws and regulations to achieve change at scale; and teachers and schools will implement these policies to achieve better outcomes." Mehta continues, "I've come to think that this implementation chain is fundamentally flawed at every link." Later in the article, in a section sub-headed, "Putting Practice First," Mehta writes,

After a century of meager results, we are now seeing increasing efforts to revisit these assumptions. ... Some leading schools and districts are beginning to develop funds for which faculty can apply to work collectively on problems of practice. At Brookline (Mass.) High School, for example, the 21st Century Fund provides funding for pilot programs or initiatives. (The more successful of these initiatives are then eligible for ongoing district funding.)

Mehta concludes, "What we want in the long run is a spiral that goes the other direction—where we make schools attractive places to work for talented and thoughtful people, whom we trust to drive improvements in practice, which leads to success of students, which in turn leads to more trust and less control."

Brookline High School is a living example of Mehta's ideal. We are a school-based engine of education reform. We embody Mehta's new pyramid of school reform; we are driven by reflective practice at the schoolhouse.

Courses and programs that have been launched & supported by the 21st Century Fund are designated in this catalogue by the 21st Century Fund logo:



THE COURSES

CAREER AND TECHNOLOGY EDUCATION

TEACHING SKILLS THAT TAKE YOU WHERE YOU WANT TO GO

The Career and Technology Education Department offers courses in the following areas:

Business/Finance and Information Technologies, Medical Careers/Human Development, Culinary Careers/Food Preparation, Environmental Technology, Integrated Construction, and Graphic Arts/ Publishing.

The Career and Technology Education Department offers courses which allow students to explore occupational fields which will influence their educational and employment decisions. Enrollment in these courses offers opportunities for students who will pursue post-secondary education at either the 2 or 4-year level as well as students who will enter employment or the military upon graduation.

In addition to providing valuable career information and experiences, courses in Career and Technology Information are intended to provide transferable skills which are useful in both personal and employment situations.

The emphasis on technology in these courses, programs, and pathways is intended to reflect transferable skills, competencies and technological advancements which are important components of all career fields. The Career and Technology Education Department is committed to the integration of technology into all of its offerings.

GRADUATION REQUIREMENTS: Graduation from Brookline High School requires three credits distributed across at least three of these program areas: Career and Technology Education, Community Service, Performing Arts, and Visual Arts.

I. BUSINESS, FINANCE AND INFORMATION TECHNOLOGY PATHWAY

This pathway offers a range of courses which allows students to explore the business world in a semester length experience or to delve more deeply into a particular skill or content area by electing sequential courses. Whichever is the student's preference, the skills taught will be useful in employment or in a future academic setting. Credit for work experience and internships may be earned through several courses found in the department course offerings.

II. MEDICAL CAREERS/HUMAN DEVELOPMENT PATHWAY

This pathway provides students with the knowledge, skills, and experiences needed to understand and appreciate the opportunities and careers in the human services and medical fields.

III. RESTAURANT AND CULINARY CAREERS/FOOD PREPARATION PATHWAY

Restaurant and Culinary Career courses offer students the opportunity to explore and develop careers in the nation's largest industry. Practical experiences in the student-operated restaurant such as salad cook, broiler cook, fry cook, sauté cook, baker, server, and maitre d' hotel help give students an overview of the restaurant industry as well as experience in culinary entry level skills.

All course offerings in Food Preparation are designed to help students identify and develop occupational skills as well as fundamental competencies that will be useful in personal and family living. These courses are electives and are open to all students.



IV. ENGINEERING TECHNOLOGY PATHWAYS

A. ENVIRONMENTAL TECHNOLOGY

These courses prepare students for direct entry into a career or post secondary studies in environmental technology, horticulture or a related field. Practical experiences are provided for students in a student operated environmental tech center/greenhouse. Opportunities in post-secondary environmental technology education programs are available after completing this program.

B. INTEGRATED CONSTRUCTION TECHNOLOGY

The Integrated Construction Education program offers a technological trade options that are designed to meet the interests and abilities of all students. Students are encouraged to enroll in classes for a variety of educational and career-oriented purposes including:

Gaining a better understanding of how the mechanical things we use everyday work.

Expanding your college bound high school schedule to include practical applications in the areas of science, engineering, and mathematics.

Learning entry level employment competencies.

Learning technical life skills.

C. AUTOMOTIVE TECHNOLOGY

This course is designed as a laboratory in which students investigate and discover how the principles of science and mechanics are integrated into the area of automotive technology. This integrated lab will enable the students to work with the systems, tools, and materials in the area of hydraulics, pneumatics, electricity, and mechanical design. Emphasis will be placed on standards and conventions of successful behavior in the workplace as well as on basic functions of the automobile.

V. GRAPHIC ARTS/PRINTING/PUBLISHING PATHWAY

This program provides students with the knowledge, skills, and experiences needed to understand and appreciate the opportunities and careers in the graphic arts, printing and publishing fields.



BUSINESS, FINANCE AND INFORMATION TECHNOLOGY PATHWAY COURSES

CE1100 Introduction to Business Management

This course is a comprehensive introduction to the principles of business, including the study of research, marketing, customer service, finance and the role of technology. Students will develop a marketing survey to determine market potential, analyze the results, establish a budget, and research pricing strategies. Students will also have the opportunity to manage a virtual business.

Level: N

Grade: 9-12

Credit: .5

CE1200 The World of Money: Practical Studies in Finance And Investment

This course in Finance and Investment integrates the basic principles of economics, money management and technology. Students will learn the practical aspects of money management in their own lives, e.g., credit, interest rates, savings and checking accounts. Their knowledge of personal finance will include banking and investment, global aspects of economic interdependence and projects involving simulated investment in the Stock Market. Weekly simulated participation in the Stock Market, recording of gains and losses, the cause and effect of market fluctuation and classroom discussion based on outside reading will be included in this course. Introductory accounting will be introduced in the final month of the class.

Level: N

Grade: 9-12

Credit: .5

CE1300 Business, Finance and Information Technology: The Practicum

This full year class is designed to introduce students to the exciting, ever-changing world of business. Topics covered include economics, entrepreneurship, ownership forms of business, legal issues of in business, management of human resource, production and distribution of goods and services, financial information and accounting. A simulation of developing plans for opening a business is an integral component of the class. This demonstration project is presented to the class by each student and is a major component of the learning experience.

Level: N

Grade: 10-12

Credit: 1

CE 1400 Psychology of Marketing

This course is a comprehensive introduction to the principles of marketing, including communications, research, technology, and business to business applications. Students will learn the various components of marketing strategy from planning to performance evaluation. The semester-long course will examine the role of the marketing process in successful business operations. The course will include a team-structured field experience in which students will continue to develop their understanding of presented classroom material.

Level: N

Grade: 9-12

Credit: .5

CE 9100 BHS School Store & Cafe Laboratory

This laboratory, one of the student based enterprises at Brookline High School, focuses on the operation of a small entrepreneurial business and how it develops and operates. Students are involved in all aspects of operating a small business including: management, merchandising, customer service, bookkeeping, product design, inventory control, product ordering, cash management, marketing and maintenance of the store fixtures and equipment. This cooperative work experience may be taken by students who have completed or who are taking concurrently Introduction to Business Management, World of Money, or Business, Finance and Information Technology. Students who have had practical experience in any aspect of the marketing and merchandising field may sign up for this course with the approval of the instructor. Credits are pro-rated based upon the number of periods the student is enrolled.

Level: N

Grade: 9-12

Prerequisite: Permission of Instructor and Curriculum Coordinator

Credit: .5



SC4100 Computer Science Engineering

This is a survey course which introduces students to a variety of areas in computer science through classroom discussions, demonstrations, and hands-on activities. Topics include computer architecture, networking, software (application and system), programming languages and related career exploration. Ethical issues such as copyrights and fair use, current trends, and responsible use of computers in society will be discussed. Multimedia technologies such as 3D graphics, DVD/CD-RW, surround sound, web animation and streaming will be explored.

Level: N

Grade: 9-12

Credit: .5

SC4200 Computer Programming in Quick and Visual Basic

BASIC is the language used with most microcomputers. This is a hands-on class in which you will learn to write, document, debug, and run BASIC programs on the Macintosh and/or IBM PC. Topics include graphic and non-graphic applications using subroutines, inputs, conditionals, and different loop structures. A structured approach will be emphasized.

Level: N

Grade: 9-12

Prerequisite: Computer Science I

Credit: .5

SC4070 Principles of Computer Technology: PC Hardware Repair

Students learn the anatomy of a microcomputer including disassembly, assembly, upgrading and customizing a computer. The role of BIOS and the CMOS in the POST and BOOT processes are explored thoroughly. Important components such as systems boards, processors, and memory are studied. Peripheral equipment including various input, output, multimedia devices, network, DSL and cable, and data communication devices are carefully reviewed. Portable computers are reviewed. Students learn diagnosing and troubleshooting techniques. Safety, preventive maintenance, and transferable employability competencies are emphasized. This course leads toward A+ Certification.

Level: N

Grade: 10-12

Credit: .5

SC4082 Principles of Computer Technology: PC Operating Systems Installation

Students develop competency in installing, configuring, upgrading, and supporting PC based operating systems such as Windows 9X, Windows 2000 and Windows XP. Students learn the concepts of memory management and system optimization techniques. Popular system support software utilities are reviewed. Students study evaluation and selection methodologies for computer operating systems. Command line usage, file management, disk management, performance considerations, the role of device drivers, security considerations, O/S network support, and help desk topics are included. This course leads toward A+ Certification.

Level: N

Grade: 10-12

Credit: .5

SC4400 Computer Applications

Your career or college plans will be enhanced by your knowledge of sophisticated computer software. This lab course offers hands-on experience in several software applications including keyboarding, word processing, spreadsheets, database, graphing, desktop publishing, and telecommunications. It is possible to concentrate in one application or explore several diverse applications. The equipment used for this course will be either Macintosh or PC's. Students may take this course for less than 4 periods for partial credit.

Level: N

Grade: 9-12

Credit: .5

SC4502 Advanced Computer Applications Workshop

Learn how to design and assemble your own MTV and video show using your favorite CD. Explore how you can use applications such as MacroMedia Director to create programs that manipulate still and video pictures, graphics, text, sound, music and the devices which support them such as compact disks. Create a WEB page using DreamWeaver. The prerequisites listed below may be waived with permission of instructor and curriculum coordinator.

Level: N

Grade: 10-12

Prerequisite: Any high school computer course

Credit: .5



SC4600 Computer Programming In C++

This course is comparable to a freshman college course in computer programming. The purpose of this course is to teach the student how to write software using generic programming concepts and categories. Translating these concepts into practical software technology is the challenge of this course. A case study method will be utilized. C++ is the language of instruction. Students will analyze problems and will participate in the design, implementation, and testing of software. The prerequisites listed below may be waived with permission of instructor and curriculum coordinator.

Level: N

Grade: 10-12

Prerequisite: Computer Science I, a programming language, and Math 2H

Credit: .5

SC4700 Advanced Placement Computer Science

This course follows the AB Level College Entrance Examination Board AP Computer Science course outline. Students will learn how to write logically structured, well documented programs with an emphasis on programming methodology, data structures and algorithms. Students will develop abstract data types from stacks, queues, linked lists and trees. Various algorithms will be implemented, including search strategies, sorting techniques and numerical approximations. Applications programs will be written for text processing, simulations, data analysis, systems software, and games and puzzles. Students will be expected to spend a minimum of 45 minutes a day outside of class to complete assignments. A home computer is a must for this course.

Level: AP

Grade: 11-12

Prerequisite: Computer Programming in C++ or Java and Math 4 H or permission of instructor and Curr. Coord. Credit: 1

SC5600 Computer Programming in Java

Java is a powerful, modern computer programming language especially suited to take advantage of networks and the Web. It enables developers to write software that will run, unaltered, on Windows, Linux, Macintosh, and several other platforms. This course will build on the student's previous knowledge of programming. It will review the basics, and then move quickly into the concepts of object-oriented programming. Modern design methods, such as UML and CRC cards, will be covered. The software creation process of design, coding, building, and testing will be a focal point. Our programs will run either as stand alone programs or as applets running within a browser.

Level: N

Grade: 10-12

Prerequisite: A programming language or permission of instructor and Curr. Coord.

Credit: .5

SC4800 Web Site Design

This course offers an introduction to the exciting field of website design. By first learning HTML coding basics, students are prepared to master common web design tools such as the Macromedia Studio suite DreamWeaver, Fireworks, etc. Students also learn the basics of JavaScript which permits the addition of many interesting functions to a web page. By learning standard principles of documentation, students ensure that their work can be passed on with confidence to others who might help maintain the web sites they have begun. This enables students in this course to take on projects of an internship nature. The prerequisites listed below may be waived with the permission of instructor and curriculum coordinator if student passes operating system, file management and word processing basics pretest.

Level: N

Grade: 9-12

Prerequisite: Advanced Computer Application or Computer Science I or permission of Instructor and Curr. Coord.

Credit: .5

SC4902 Web Site Management

This second semester course will be a sequel to WEB SITE DESIGN. Students will learn ongoing management of web sites with emphasis on correct forms of documentation for site longevity and security. Students will continue learning about JavaScript applications. Additional instruction in Macromedia suite will include Flash animation for the web, and ColdFusion database driven web site applications. On-site business and/or school related internships encouraged.

Level: N

Grade: 10-12

Prerequisite: Web Site Design

(Spring only)

Credit: .5



MEDICAL CAREERS/HUMAN DEVELOPMENT COURSES

CE5200 Early Childhood Theory and Observation

This course was developed in collaboration with the Child Study Center to focus on the process of learning for preschoolers. The course will relate child development to appropriate classroom practice. Students will do weekly guided observations in the Child Study Center with an emphasis on the design of the physical environment; the role of play areas in the preschool curriculum; understanding behavior; and the roles of the early childhood team (teachers, social worker, physical, occupational, speech and language therapists). Goals and strategies to promote growth in cognitive, physical, social and emotional development will be explored.

Level: N

Grade: 10-12

Credit: .5

CE5600 Early Childhood Curriculum

The course enables students to acquire knowledge and skills necessary for planning inclusive and developmentally appropriate curriculum for young children. The class meetings will include lectures, films, and hands-on workshops focusing on a wide range of early literacy, social studies, art. Students will have weekly observations and participation in a pre-school setting. Theories about Child Development will be applied, children's learning styles, special needs and multiple intelligences will be addressed. *Students who successfully complete this course will be moving towards an EEC, (Early Education and Care) certificate.*

Level: N

Grade 9-12

Prerequisite: Early Childhood Theory & Observation

Credit: .5

CE 5700 Early Childhood Children's Literature

This course is an introduction to children's literature. It is designed to promote emerging literacy skills, with interesting content and illustrations that are entertaining for young children, ages birth - eight. Literature will be examined in terms of developmentally appropriate practice, and will focus on the study of genres of children's picture books. Students in the class will learn and practice how to effectively read books to children. Students will review the plot, setting, theme, characters, style, point of view, illustrations, age, range and design of many children's books. Author- illustrators and their backgrounds will be explored. The course will address criteria for selecting and interpreting quality books for children with different developmental needs and multicultural backgrounds. The course will examine the many responses to literature. Students in this course will work with BEEP to help children develop an interest in and excitement about books. *Students who successfully complete this course will be moving towards an Early Education and Care certificate.*

Level N

Grade 9-12

Credit: .5

CE5402 Psychological Studies in Human Development

Focusing on the psychological aspects of human development, this course provides students with an overview of normal and abnormal human psychological growth. Students will study the basic contributions of psychologists such as Freud, Erikson, Maslow and Piaget to the important concepts of motivation, cognitive development, perception, and personality. As part of their experience in this course students will be expected to interview professionals whose career choices involve the application of psychology in their daily work. Among these professionals are educators, social workers, counselors, psychologists, and psychiatrists. They will also examine the integration of psychology and the field career development theory which explores the connections between interests and aptitudes and the implications of these qualities on career choice.

Level: N

Grade: 10-12

Credit: 1



CE5300 Human Development Careers: The Practicum

Designed as a course for sophomores, juniors, and seniors, The Practicum requires students to integrate and apply what they have learned in previous introductory human development course work. Internships will be arranged with human service agencies including early childhood centers, elementary schools, senior centers and nursing homes. Student interns will be required to meet regularly with the teacher, to keep a journal, to report what they are learning and to discuss real life situations encountered in the workplace. Work-site employees will co-evaluate student progress with the teacher on a regular basis. Credits will be pro-rated based upon number of hours on-site.

Level: N

Periods per week: 8

Grade: 10-12

Prerequisite: Medical Careers/Human Development

Credit: 2

CE5500 Medical Careers

Medical Careers is a multifaceted course which provides Brookline High School students with hands on experience in the medical field, introduces students to the concepts of human anatomy and physiology, and exposes students to the myriad health care careers available in our community. The course curriculum is divided into the 11 systems of the human body, each of which will be taught in 2 week blocks. The hands on experiential learning experience will occur at the Harvard Medical School and Brigham and Women's Hospital using the case study method to reinforce the learning of anatomy and physiology. Weekly visits from professional guest speakers from the varied health care disciplines will provide students with insight into the numerous medical professions. Throughout the course students will practice science processing, decision making, problem solving, and critical thinking skills. During the hands on learning experience students will work in teams like health care professionals in the real world.

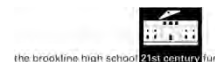
Level: N

Grade: 10-12

Credit: .5

CE5550 Course: Medical Interpretation and Translation Spanish

CE5551 Course: Medical Interpretation and Translation Portuguese



The primary goal of the year-long course entitled Medical Interpretation and Translation (MIT) Program is to qualify students as interpreters within the healthcare field. This course is designed for students with advanced to superior proficiency in both English and another language. (The first languages to be introduced to the program will be Spanish, and possibly Portuguese depending on enrollment. In future years we are considering adding other languages that have a high representation at the high school such as Haitian Creole.) The curriculum and instructional strategies will be adapted from materials designed by Cross Cultural Communications, a nationally recognized organization dedicated to training interpreters. Students will develop an understanding of the role of the interpreter as a language bridge between patient and provider. They will become aware of the cultural, linguistic and personal aspects of accurate interpretation. Units of study include the terminology of body systems and illnesses, ethics, local and national laws governing interpreting practice, the culture of medicine, the ethnic cultures of the populations being served, and the culture of being a professional interpreter. These topics will be studied through readings, videos, class discussions and simulated interpreting practice. This program includes listening comprehension and intensive speaking practice in the classroom and in the language laboratory through the use of varied media. Students are expected to respond spontaneously to a wide range of conversational situations. The culminating project will be an internship in a local hospital.. A student can present this certificate to potential employers as documentation of their experience.

Level: H

Credit: 1 in WL or CTE

Prerequisite: seniors (17 years of age at time of Sem2 internship), teacher recommendation based on language proficiency

RESTAURANT AND CULINARY CAREERS/FOOD PREPARATION PATHWAY COURSES

CE6100 Restaurant and Culinary Careers Exploratory

Restaurant and Culinary Careers Exploratory is an introductory course focusing on many aspects of the restaurant industry including commercial food preparation, professional table service, service industry attitudes and employment expectations. This course is recommended for the student who is considering or would like to investigate a career in the Food Service Industry. Restaurant and Culinary Careers Exploratory is offered all periods. Students who have less than four periods available for this course may earn partial credit. Credit is pro-rated based upon the number of periods the student is enrolled. This course is available every block including a 7:00 a.m.-AM Block

Level: N Periods per week: 1-4 Grade: 9-12
Credit: 1

CE6200 Restaurant and Culinary Careers I

Restaurant and Culinary Careers I places an emphasis on commercial food preparation and service. Students work in the student-operated restaurant learning occupational and service industry functions. This course is designed for the student who is considering a career in the Food Service Industry. This course should be taken for two periods consecutively and/or double block combinations. Students who have less than eight periods available for this course may earn partial credit. Credit is pro-rated based upon the number of periods the student is enrolled. This course is available every block including a 7:00 a.m.-AM Block

Level: N Periods per week: 8 Grade: 9-12
Credit: 2

CE6300 Restaurant and Culinary Careers Major

This course is designed for students with serious vocational interest in the Food Service Industry or in Culinary Arts education at the post secondary level. Emphasis will be placed on developing higher level occupational skills which may be used in the Food Service Industry. This course should be taken for three periods consecutively utilizing double block combinations whenever possible. Students who have less than twelve periods available for this course may earn partial credit. Credits are pro-rated based upon the number of periods the student is enrolled. This course is available every block including a 7:00 a.m.-AM Block

Level: N Periods per week: 12 Grade: 9-12
Credit: 3

CE6400 Restaurant and Culinary Science and Theory

Restaurant and Culinary Careers Science and Theory places an emphasis on commercial food preparation and service. This course is designed to help the students implement the competencies to succeed in the college and the professional environment. This course is designed for the student who is considering a career in the Food Service and Hospitality Industry. Students will meet two periods consecutively. This course is available AM and Z Block Only.

Level: N Periods per week: 8 Grade: 10-12
Prerequisite: 1 semester in a Restaurant and Culinary Careers program, 1 semester in a Culinary Arts program or 12th grade students planning to attend a culinary art college. Credits: 2

FP1000 Introduction to Food Preparation/Culinary Arts

This course in food preparation/culinary arts is designed to assist students in identifying and developing fundamental competencies that will be useful in one's personal and family life. Learning experiences will include the study of nutrition, healthful eating (light cuisine) and the preparation of specialty dishes from Italy, China, Mexico and Southeast Asia. Occupational skills used in the Food Service Industry such as restaurant and culinary skills and commercial food preparation are important components of this program. This is a semester course.

Level: N Grade: 9-12 Credit: .5



FP2000 The Cooking of Italy and China

This course is a study of the cooking and the food customs of Italy and China. Laboratory experiences will include the preparation of outstanding dishes of each country in addition to the use of native equipment, utensils and ingredients.

Level: N

Grade: 9-12

Credit: .5

FP7000 Vegetarian Cuisine

This course covers a wide variety of vegetarian dishes reflecting many different cooking styles, and containing a wide variety of ingredients. There are recipes for light dishes and for hearty ones, some spicy, others subtle. The common trait linking all the recipes in this course is their meatlessness. Yet, this course is by no means exclusive for vegetarians. Meat-eaters can use the dishes presented in this course too, for occasional meatless meals and/or as accompaniments to meat dishes. The objective of this course is to introduce vegetarian dishes and to provide more options for enjoyable eating.

Level: N

Grade: 9-12

Credit: .5

FP5000 International Baking

This course focuses on the art of fine baking, featuring world famous specialties such as breads, Baklava, fruit tarts, cheese cakes, Danish pastries, torte and strudels, etc.

Level: N

Grade: 9-12

Credit: .5

FP3000 American Regional Cuisine

This course ventures into the many wonders of American Cookery from classical “Nouvelle Cuisine” of California and New York City, the hearty, robust flavors of Middle America, the “Rustic Creole” traditions of Louisiana to the home-style goodness of our own New England. This course will include appetizers, soups, salads, entrees, and desserts of each region.

Level: N

Grade: 9-12

Credit: .5

FP4000 Foods of Provincial France

This course is designed to introduce the student to the foods of Provincial France. This challenging course will incorporate various customs, cooking techniques, equipment and ingredients that are associated with the main regions of France. Students will be able to prepare various appetizers, soups, salads, entrees` and desserts of the French Provinces.

Level: N

Grade: 9-12

Credit: .5

ENGINEERING TECHNOLOGY PATHWAYS COURSES

TE5420 Environmental Technology I

This course will develop an understanding of what is meant by “stewardship” of the planet, and provide the skills that are required to help protect and sustain a healthy environment. This course will cover basic topics in Ecology such as ecosystems, food chains, trophic levels, species interaction, nutrient cycles, habitats, biomes, communities and succession. There will be lectures, discussions, and considerable hands-on laboratory experience. The Environmental Science content will be complemented by student participation in the school-based enterprise - The Brookline High School Environmental Technology Center/ Greenhouse. In this setting, students will actually perform work that is done in careers such as Plant and Soil Management, Integrated Pest Management, Hydroponics, Recycling and Waste Management, and Pollution Control. Money derived from the plant sales will be directed to an environmental issue, such as Tropical Rainforest protection.

Level: N

Grade: 9-12

Credit: 1



TE5421 Environmental Technology II

This course reflects increased breadth and depth in topics addressed in Environmental Technology 1. In addition, the following topics will be included: Global Hunger & Food Production, Functions of Forests (with an emphasis on tropical forests and deforestation), Energy (fossil fuels and alternatives) and associated environmental issues (global warming, acid rain, etc.), Pollution (air, water and atmospheric, Recycling and Waste Management, Biodiversity and endangered Species, and Wildlife Management. This course will provide an opportunity for students to explore careers in related environmental fields. As in Environmental Technology 1, the content material will be complemented by participation in the student-managed enterprise, the Brookline High Environmental Technology Center/Greenhouse. Money derived from the plant sales will be directed to an environmental issue, such as Tropical Rainforest protection.

Students may choose to achieve a second credit in this course through significant work in the Environmental Tech Center/Greenhouse or, when available, through a cooperative work experience/internship in the community. Credits are pro-rated based upon the number of periods the student is enrolled.

Level: N

Periods per week: 5

Grade: 10-12

Prerequisite: Environmental Technology I or Biology I

Credit: 1

TE4540 A.P. Environmental Science

Advanced Placement Environmental Science is designated to be the equivalent of an introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them, leading to the AP examination in May.

Level: AP

Periods per week: 5

Grade: 11-12

Prerequisites: 3 years of Science

Credit: 1

TE4501 Engineering The Future I

Engineering the Future I is a semester long, **hands-on project based courses** that will introduce students to the skills and knowledge necessary to understand what engineering is and what engineers do. Projects are divided up into individual tasks and will include those that require group planning, research, design, prototype building, testing, evaluation and redesign. Students who take this course at BHS will be exposed to engineering and technology which will help them begin to make informed decisions regarding careers in various fields of engineering.

Level: N

Grade: 9-11

Credit: .5

TE4502 Engineering the Future II

Engineering the Future II is a semester long, **hands-on project based course** that continues building on the skills and knowledge taught in Engineering the Future I. Projects are divided up into individual tasks and will include those that require group planning, research, design, prototype building, testing, evaluation and redesign. Students who take this course at BHS will be exposed to engineering and technology which will help them begin to make informed decisions regarding careers in various fields of engineering.

Level: N

Grade: 9-11

Prerequisite: Engineering the Future I

Credit: .5



TE5530 Engineering By Design

Engineering by Design is a year-long, project-based course that will expose students to the fundamentals of engineering, and the design and fabrication process. Projects will be interdisciplinary in nature and will draw from the fields of Biomedical, Chemical, Electrical, Civil, Environmental, Mechanical, and Materials Science Engineering. Students will develop skills in research, modeling, project management, construction, programming, testing, and marketing. Teams of students will collaborate on projects, taking their ideas from abstraction, to working prototypes, to a finished product for a specific audience. This course is designed for a broad spectrum of students who have fulfilled their science requirements and have a solid math background (i.e., algebra / trigonometry). This capstone senior level course enables students to apply their creative talents and their prior science knowledge to practical problem solving.

Level: H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I

Credit: 1

Integrated Construction Technology

The Integrated Construction Education program offers a wide range of technology options that are designed to meet the interests and abilities of all students. Students are encouraged to enroll in classes for a variety of educational and career-oriented purposes including:

- Gaining a better understanding of the mechanical things we use every day.
- Expanding your college bound high school schedule to include practical applications in the areas of science, engineering, and mathematics.
- Learning entry level employment competencies.
- Learning technical life skills.
- Through a series of classroom lectures and hands-on shop experiences, students learn the practical skills of the field as well as the underlying technical theory. Emphasis is placed on maintaining a balance between skills development, craftsmanship, and knowledge of science, mathematics, systems, tools, theories and concepts. All students are expected to learn and conform to business/workplace standards and practices.

TE3200 Introduction to Technical Drawing and CAD (Computer Aided Design)

Students will be allowed to develop the skills and understanding necessary to work efficiently with computers drafting techniques, and materials. Instruction will be adjusted to student's capabilities and interests. Instruction will include concepts used to visual acuity, to read drawings, and to execute technical drawings of ones own.

Level: N

Grade: 9-12

Credit: .5

TE3300 Architectural Design and Drafting with CAD (Computer Aided Design)

This course involves the planning and drawing of a residential house design including floor, foundation, and elevation views. Computer Aided Drafting (CAD) will introduce the student to computer graphics that will reflect the latest CAD drafting techniques.

Level: N

Grade: 10-12

Prerequisite: Technical Drawing I or junior/senior status

Credit: .5

TE1001 Creative Woodworking 1

Creative Woodworking is taught in collaboration with the Art Department. Historical, traditional and contemporary examples of fine woodworking will be presented, studied and discussed. Emphasis is placed on project design and construction. A variety of design, technical, and craftsmanship skills are taught and utilized. Students will also learn the proper techniques of hand and power tool utilization. Students will design and construct their own projects (furniture, toys, containers, household items). Students will document their work in progress in order to augment their art/tech ed. portfolio.

Level: N

Grade 9-12

Credit: .5

TE1002 Creative Woodworking 2

Creative Woodworking 2 is a continuation of the skills learned in Creative Woodworking 1. Continued emphasis on the safe and effective use of hand and power tools used in the fabrication of both sculptural and functional wooden objects is presented to students through a series of increasingly complex projects of their own choosing and design. An increased level of craftsmanship and attention to detail is expected through the use of a more refined design and engineering process. The use of multi-view and isometric drawings as illustration tools is emphasized as part of that process. Students are exposed to a wide variety of techniques and processes such as laminating, woodturning, carving, bending, wood joinery and finishing. Among the project possibilities are cabinets, furniture, toys, containers, household items, and sculptural objects.

Level: N

Grade: 9-12

Credit: .5

Prerequisite: Creative Woodworking I

TE1003 Furniture Design and Construction

Furniture Design and Construction is an advanced woodworking class that allows for the investigation of furniture making through the study of historical, traditional and contemporary trends in woodworking and furniture design. Students with a solid foundation in the woodworking processes introduced in Creative Woodworking 1 and 2 will be expected to design and build a piece of furniture that is inspired by a particular technique, style, period or piece of furniture that they have researched and studied. A serious design process, including isometric, orthographic, and perspective drawings as well as scale models will be adhered to before any fabrication begins.

Level: N

Grade 9-12

Credit: .5

Prerequisite: Creative Woodworking I and 2

TE1500 Construction Engineering

This course is an in-depth study of construction technology as well as related occupations both business and trade. Students will establish a virtual company that will study: finance (business and real estate), legal aspects of real estate transactions, planning and cost estimations of a construction project. Students are introduced to the following professions and trades: laborer, electrician, plumber, carpenter, plasterer, mason, tile and stone installer, insulation installer, h. V. A. C., paint and finisher, floor finisher, and structural engineer. The course will stress the cooperation and successful work competencies and habits necessary to plan, implement and complete a job of this scope. This course should be taken for two consecutive periods. Students who have less than eight periods available for this course may earn partial credit. Credits are pro-rated based upon the number of periods the student is enrolled.

Level: N

Periods per week: 8

Elective 11-12

Prerequisite: None

Credit: 2-3

TE1101 Automotive Technology 1

This course is designed as a laboratory in which students investigate and discover how the principles of science and mechanics are integrated into the area of automotive technology. This integrated lab will enable the students to work with the systems, tools, and materials in the area of hydraulics, pneumatics, electricity, and mechanical design. Emphasis will be placed on standards and conventions of successful behavior in the workplace as well as on basic functions of the automobile.

Activities will include hands-on service and repair of automotive components, extensive use of in-house student produced videos, major automotive repair and replacement procedures, and off-site visits to automotive repair facilities. Students will demonstrate that they have the competencies to manage many of the mechanical and technological systems which affect their everyday lives as well as learn skills leading to a career in the automotive field. This course leads to certification by the National Institute for Automotive Service Excellence (ASE) and post-secondary education programs in automotive repair.

Level: N

Grade: 9-12

Credit: .5



TE1102 Automotive Technology 2

This full year course is recommended for a student who has completed Automotive Technology I and wishes to continue in an intermediate course in the laboratory shop. The student will develop further knowledge and understanding of the use of tools and equipment. The course content will be organized into competency-based units of instruction established by the National Automotive Technicians Educational Foundation (NATEF).

Level: N

Grade: 10-12

Prerequisite: Automotive Technology I or permission of instructor

Credit: 1

GRAPHIC ARTS/PRINTING/PUBLISHING PATHWAY COURSES

VA9100 Graphic Design I

In this course students will learn the fundamental concepts of graphic design and typography. Most of the course time will be spent working on and learning about the industry standard applications of Quark Xpress, Illustrator and Photoshop. Through a series of lessons students gain an appreciation of how graphic design is associated with but is different from traditional fine art.

Level: N

Grade: 9-12

Credit: .5

VA9200 Graphic Design II

This course is similar to Graphic Design I except that students are given more freedom to pursue their own individual projects toward the end of the term. Also, more emphasis is placed on advanced computer techniques.

Level: N

Grade: 10-12

Prerequisite: Graphic Design I

Credit: .5

Graphic Arts/Copy Center Laboratory

This cooperative work experience may be taken by students who have completed or who are taking concurrently Graphic Arts or Graphic Design II. Projects will include design, layout, and production of printing/graphics projects from the Brookline Public Schools and the community. All aspects of the industry including business and finance will be represented in this student-operated enterprise. Students who have had practical experience in any aspect of the graphic arts/publishing field, marketing, and merchandising may sign-up for this course with the approval of the instructor. Credits are pro-rated based upon the number of periods the student is enrolled.

TE4200 Graphic Arts/Copy Center Laboratory

Level: N

Grade: 9-12

Corequisite: Graphic Art Printing /Publishing and/or

Credit: .5

Graphic Design/Desktop Publishing or approval of Instructor and Curriculum Coordinator

TE4201 Graphic Arts/Copy Center Laboratory

Level: N

Grade: 9-12

Corequisite: Graphic Art Printing /Publishing and/or

Credit: .5

Graphic Design/Desktop Publishing or approval of Instructor and Curriculum Coordinator

TE4202 Graphic Arts/Copy Center Laboratory

Level: N

Grade: 9-12

Corequisite: Graphic Art Printing /Publishing and/or Graphic Design/Desktop Publishing or approval of Instructor and Curriculum Coordinator

Credit: .5



ID0100 Journalism I

In this full-year interdisciplinary elective, students in grades 10 through 12 learn the essential skills of print journalism and the steps involved in creating a newspaper. Students receive instruction in reporting, interviewing, writing, editing, and layout, as well as in the history and ethics of journalism. Students enrolled in this course plan, write, and produce the school newspaper, *The Sagamore*. The course seeks a range of students to contribute to the newspaper in a variety of areas: reporting and writing, editing, graphic design, photography, and business. The course is taught by an English teacher.

Difficulty: Non-leveled

Credit: 1 CE credit

Prerequisite: Application through instructor

Grade: 10-12

ID0130 Journalism II

In this full-year interdisciplinary elective, students in grades 10-12 are trained in executive positions such as Editor-in-Chief, Business Manager, and Layout Manager. Journalism II students are responsible for running the production of the school newspaper, *The Sagamore*, and overseeing staff and contributing writers. Students receive advanced instruction in reporting, interviewing, writing, editing, and layout, as well as in the history and ethics of journalism. Journalism II students will help teach the basics to new reporters and will train Journalism I students to be management staff. The final class list will include returning editors and qualified applicants. The course is taught by an English teacher.

Difficulty: Honors

Credit: 1 CE credit

Prerequisite: Journalism I, and/or application through instructor

Grade: 10-12

Work Experience Courses

Students who elect one of the courses should understand that the work experience takes place during one's free time or after school; there is no loss of school time. Credits are pro-rated based upon the number of periods the student is enrolled. A maximum of 2 credits can be applied as graduation credits. This course does not count for category B credit.

CE8100 Pre-Cooperative Work Experience

This introductory work experience is provided for students who wish to practice business skills during the school day. The student is assigned to work in a school office during his/her free time, and a small hourly wage is paid. Credits are pro-rated based upon the number of periods the student is enrolled. A maximum of 2 credits can be applied as graduation credits. This course does not count for category b credit.

Level: N

Periods per week: 1-4

Grade: 9-12

Prerequisite: Signature & Approval of the Work Study Coordinator

Credit: 1/4-1

CE8200 Cooperative Work Experience

The Cooperative Work Experience offers students the opportunity to earn credit for successful performance on a paid job in the business community. During required conferences with the Work Study Coordinator, students discuss work related issues, job performance, and ongoing vocational planning. Credits are pro-rated based upon the number of periods the student is enrolled. A maximum of 2 credits can be applied as graduation credits. This course does not count for category B credit.

Level: N

Periods per week: 12 hrs/wk on the job

Grade: 9-12

Prerequisite: Signature & Approval of the Work Study Coordinator

Credit: 1

CE8300 Career Education Internship

Internships can be arranged in the Career and Technology Education area by discussing a particular internship project with a teacher, on-site supervisor and/or the School-to-Work Coordinator. A formal contract will be established between student, on-site supervisor and the School-to-Work Coordinator which will detail the content, process, and time frame of the internship and learning expectations and responsibilities of the student.

Level: N

Periods per week: to be arranged

Grade: 9-12

Prerequisite: Signature & Approval of teacher and Curriculum Coordinator

Credit: 1/4-1



ENGLISH DEPARTMENT

FRESHMAN PROGRAM

Points of View
Responding to Literature (H)

SOPHOMORE PROGRAM

World Literature: Living the Questions
World Literature: Identity, Culture, and Meaning (H)
Future World Lit (H or S)
Real World Lit (H or S)

JUNIOR PROGRAM

American Literature
American Literature (H)

(H) indicates an honors course.

(N) indicates a non-leveled course.

(H or S) indicates a course offered at both levels of difficulty within the same course

SENIOR PROGRAM

Biography and Autobiography
Stranger in a Strange Land
Stranger in a Strange Land (H)
British Literature (H)
European Literature (H)
Dramatic Literature (N)
Craft of Writing (N)
Public Speaking and Public Writing (N)
Fiction and Film (N)
The Good Citizen in the Good Society (N) – not offered 2013-14

OPTION COURSES, 9-12

Journalism I (N) (CE credit)
Journalism II (H) (CE credit)

All students must take English throughout their four years at Brookline High School, accumulating a total of four full credits (in proper sequence) to graduate. Students should read course descriptions carefully and attend to teacher recommendations to determine which level of difficulty -- standard, honors, or non-leveled-- suits their needs. Honors level courses require more reading than standard level courses, and texts are often more difficult. Teachers in honors level courses also assume more independence on the part of students, whereas teachers in standard level courses often break assignments down in order to give students more structure and support. Senior year, the department offers several non-leveled electives which seek interested students across the academic spectrum. Students at all levels write at least twelve drafted papers a year. Students who choose the most challenging English courses will find themselves prepared for Advanced Placement examinations at the end of their junior or senior years.

Make-up credit for English courses may be obtained by doubling courses the following year or by completing courses in summer school. Seniors wishing to graduate early must complete two full semesters of Senior English **and** the Senior Paper **before** leaving school and have the written consent of the English Department Curriculum Coordinator by September 15th of their senior year. Correspondence credit is not granted. Failure to meet the Senior Paper requirement precludes graduation, and the student must take an appropriate summer school course to complete the Senior Paper.

FRESHMAN PROGRAM: The Freshman Program introduces students to the major literary genres and to reading and writing at the high school level. Both freshman courses offer focused instruction in reading strategies, ample practice in writing and revising, systematic study of grammar and vocabulary, and an emphasis on narrative point of view.

SOPHOMORE PROGRAM: Sophomores read traditional and contemporary works from World Literature as they explore identity and culture. Students sharpen their writing and reading skills; they identify and interpret motif, theme, and figurative language in poetry and prose. Sophomore courses include a systematic study of grammar. New sophomore courses introduce more student choice into the English curriculum beginning in 2013-14.



JUNIOR PROGRAM: The Junior Program highlights important works in American Literature to explore American culture and point of view. In the spring, students compare two works of literature in the Junior Paper as preparation for their Senior Paper the following year.

SENIOR PROGRAM: A variety of year-long courses gives seniors the opportunity to pursue a particular area of interest in English. To gain final English credit, all seniors must successfully complete a Senior Paper related to the content area of their senior course. The Senior Paper is a multi-step process which requires a minimum of 500 pages of independent reading and culminates in an 8-10 page analytic essay.

FRESHMAN PROGRAM

How can literature deepen our understanding of human experience and our own lives?

Reading: All freshmen read the following core books: *Points of View* (Department Collection). *To Kill a Mockingbird* (Harper Lee), *The Oedipus Cycle* (Sophocles), and a Shakespeare play (*Twelfth Night*, *Julius Caesar*, or *Much Ado About Nothing*). Beyond these core books, individual teachers select from an extensive book list and draw from *How a Poem Means* (BHS Anthology). Literature study emphasizes introduction to the major literary genres (comedy, tragedy, novel, memoir, short story, poetry) and narrative point of view. Students practice, with explicit guidance, the reading strategies necessary to comprehend a text. Students read closely to discover the kinds of choices authors make, and they practice the shift from concrete observation to interpretation.

Writing: The Freshman program moves students into expository writing about literature while also providing opportunities for personal and creative writing. Students learn to revise carefully with particular attention to the well-structured paragraph. Students practice making any kind of writing more convincing through illustration, example, and evidence. They work on maintaining a lively voice while shaping their work to communicate with an audience. In the short story unit, students experiment by writing in the voice of different kinds of narrators, perhaps telling the same story from different points of view. Freshmen also study vocabulary and grammar.

Speaking and Listening: Freshmen work on contributing thoughtfully to group discussion and on listening and responding to their classmates. Discussions encourage students to move beyond an immediate response and to consider others' ideas when discussing literature.

EN1020 Points of View

In this course, students strengthen their reading and writing skills. Students read short stories, novels, autobiographies, poems, and plays, and they learn the important components of each genre. The short story unit emphasizes that stories can be told from different vantage points, with different effects. The poetry unit explores the use of image and sound. Reading *The Oedipus Cycle* and a Shakespearean play provide focus on stagecraft and on the characteristics of tragedy and comedy. Beyond the core books, students study works such as *Warriors Don't Cry*, *Ordinary People*, *A View from the Bridge*, *Black Boy*, *Lord of the Flies*, *A Raisin in the Sun*, *Catcher in the Rye*, *Chinese Cinderella*, *The Absolutely True Diary of a Part-time Indian* and *This Boy's Life*. Students read up to 25 pages per night and will write at least twelve drafted papers.

Level: Standard

Grade: 9

Credit: 1

EN1030 Responding to Literature

In this more demanding freshman course, students explore narrative point of view in reading and writing; they complete nightly reading assignments and do outside reading. Through their study of *The Odyssey* (Homer), *A Tale of Two Cities* or *Great Expectations* (Charles Dickens), *To Kill a Mockingbird* (Lee), short stories, and poems, students examine authors' choices in different literary genres. Reading *The Oedipus Cycle* and a Shakespearean comedy provide focus on stagecraft and on issues of tragedy and comedy. Beyond the core books, students read works such as *Lord of the Flies*, *Black Boy*, *Ordinary People*, *Catcher in the Rye*, *Warriors Don't Cry*, *The Emperor was Divine*, and *This Boy's Life*. Students read up to 35 pages per night and will write at least twelve drafted papers.

Level: Honors

Grade: 9

Credit: 1



SOPHOMORE PROGRAM – THE ENGLISH TOOLKIT

The sophomore program focuses on developing and sharpening reading and writing skills -- particularly active reading and analytical writing. Our focus is identity, culture, and meaning. How might a literary work help us examine both our culture and ourselves?

Reading: Sophomores read the following core texts: *Macbeth* or *Othello*, *Things Fall Apart* (Achebe) and *A Doll's House* (Ibsen). Beyond these core books, students study works such as: *Gilgamesh*, *The Things They Carried* (O'Brien), *House of the Spirits* (Allende), *The Kite Runner* (Hosseini), *All Quiet on the Western Front* (Remarque), *Master Harold and the Boys* (Fugard), *Waiting* (Ha Jin), *The Sailor Who Fell From Grace with the Sea* (Mishima), *Purple Hibiscus* (Adichie), *White Tiger* (Adiga), *Jane Eyre* (C. Bronte), *Wuthering Heights* (E. Bronte), Balzac, and *The Little Chinese Seamstress* (Sijie).

Reading Skills: Students will identify and master approaches that experienced readers use to comprehend a difficult text. Students will learn these strategies -- for example, how to ask questions about a text, mark up a text (passage or poem), and move from observation to inference and analysis. Students will also pay particular attention to figurative language in poetry and prose.

Writing Skills: Students will write well-developed analytical essays with thesis statements, topic sentences, and unified paragraphs with specific (often textual) evidence to prove logical arguments. In addition, students will write personal essays -- and occasional poems and fiction -- following the maxim "Show, don't tell," using specific detail to illustrate general points. Students will also edit and revise their own work.

EN2020 World Literature: Living the Questions

In this course, students will examine how authors from different cultures and eras approach universal questions such as: What does it mean to live a good life? Where do we find joy and meaning? What happens when we do wrong? Does suffering strengthen or weaken us? What happens when our beliefs conflict with our family or our community? What are the forces that make us who we are? Students will consider how literary works can help answer these questions of importance in their own lives.

Students will explore these questions while working intensively on one skill set at a time: either reading or writing. For example, students may focus on close reading in the first unit or quarter, and then focus on writing an effective essay in the second unit or quarter. This course is a good choice for students who are interested in exploring the philosophical questions raised by literature from around the world, as well as for students interested in working intensively to improve their reading and writing skills. Students read up to 25 pages per night and will write at least twelve drafted papers (both personal and analytical).

Level: Standard

Grade: 10

Credit: 1

EN2030 World Literature Honors: Identity, Culture, and Meaning

In this more demanding course, students will focus on the formal elements of literature: students will explore identity, culture, and meaning by asking how authors reveal to us who we are. Students will examine how authors from different countries and eras approach universal questions such as: How does culture influence our values, attitudes, and behaviors? What are the ramifications of accepting or rejecting our culture? The course includes books of significant length and complexity. Students read up to 35 pages a night and will write at least twelve drafted papers (both personal and analytical).

Level: Honors

Grade: 10

Credit: 1



EN2120 Future World Lit/ EN2130 Future World Lit Honor

Foretelling the future, imagining the unimaginable, thinking about the possible and impossible – writers have been doing this for generations. This course is designed for students who are interested in what lies ahead, whether it is a future predicted by a scientist or by the author of *The Hunger Games*. Students will ask themselves – how will we shape the future? How will the future (and its technology) shape us?

This multi-leveled course is designed for sophomores interested in science fiction, fantasy, and dystopian literature (sometimes called “speculative fiction”). Students enrolled in this course will spend first semester exploring these genres and second semester in a condensed version of the existing World Literature course. Students in Future World Lit practice the same reading and writing skills and read the same core books as students in World Literature. Additionally, students undertake creative projects (such as fiction writing, visual art, film-making, game design, etc.) inspired by the concerns of speculative fiction and conduct an independent research project related to a scientific, social, or technological issue. Beyond the core books, students study short and longer fiction by such authors as Margaret Atwood, Octavia Butler, Orson Scott Card, Suzanne Collins, Philip K. Dick, George Orwell, Ayn Rand, Veronica Roth, George Saunders, J.R.R. Tolkien, Kurt Vonnegut, H.G. Wells. Students will also study nonfiction by authors such as Bill McKibben and Sherry Turkle.

This course can be taken for either standard or honors credit (within the same section).

Level: Standard or Honors

Grade: 10

Credit: 1

EN2220 Real World Lit/ EN2230 Real World Lit Honor

In this multi-leveled course, students use books from the World Literature curriculum to explore their own interests and questions around the central course concepts: identity and community. There is a focus on real-world experiences and examples, with two quarters of whole-class study of classic and contemporary world literature and two quarters of more individualized study. At the beginning of each semester, students read literature that explores the themes of identity and community and prompts some of the following questions: How do I define myself? To what extent can we choose who we are and what we become? How am I defined by family, friends, race, gender, social class, religion? How do I respond when I feel torn between identities? In what ways am I influenced by my communities? What happens when an individual is in conflict with his or her community? Beyond the core books, students study works such as *Purple Hibiscus*, *All Souls*, *The Joy Luck Club*, *The Things They Carried*, *Balzac and The Little Chinese Seamstress*, and *Master Harold and the Boys*.

In the second and fourth quarters, students continue their exploration of identity and community by creating their own research and writing projects. After reading fictionalized versions of author's lives, students write about their own lives, families, communities, and experiences. Projects might include research on a neighborhood, family histories, or short stories. Students present culminating projects to a range of audiences.

This course can be taken for either standard or honors credit (within the same section).

Level: Standard or Honors

Grade: 10

Credit: 1

JUNIOR PROGRAM – AMERICAN LITERATURE

The Junior Program considers the factors shaping the American culture and point of view.

Reading: All juniors read the following core books: *The Adventures of Huckleberry Finn*, *Song of Solomon*, *The Great Gatsby*, and *Death of a Salesman*. Teachers will also draw from *How a Poem Means* (BHS Poetry Anthology). Beyond these core books, individual courses and teachers select from an extensive supplemental book list of fiction and non-fiction.

Beyond the core texts, students will study works such as: *The Scarlet Letter*, *Ragged Dick*, *My Antonia*, *The Yellow Wallpaper*, *Being There*, *The Crucible*, *Fences*, *Into the Wild*, *Walden*, and *One Flew Over the Cuckoo's Nest*.

Reading and Thinking: What does America say that it stands for? What is the reality of who we are? Discussion in this course centers on the tensions inherent in the “American Dream.” The ability to step outside oneself is necessary for perspective and growth. At some crucial point in each of the core books, the main characters must stand outside themselves and evaluate American truths.



Special emphasis is given to close reading of texts in the junior program. Authors have a number of options but consciously choose the genre, the point of view, and even the best verb for their first sentence. Students will analyze the ideas and language in one passage [microcosm], and then consider how that passage relates to the book as a whole [macrocosm]. Students will study how form is suited to content in both poetry and prose.

Writing: Building on the expository skills of sophomore year, juniors formulate and defend their own thesis statements about literature. Although there is opportunity for creative and personal writing, students concentrate on literary analysis: generating thesis statements about literature and developing their ideas into coherent compositions with clear focus, well-developed paragraphs, and sufficient documenting detail. The work on literary analysis culminates in the Junior Paper, a major paper which compares and contrasts two pieces of literature; this exercise helps prepare juniors for the more complicated Senior Paper. As they polish their papers and prepare for the SAT writing component, students review the conventions of Standard Written English.

EN3020 American Literature

Although the American Dream usually refers to material success achieved through hard work, many other dreams have fueled this country. In this course, organized around the dreams and the dreamers, students examine how characters in literature pursue their dreams and how they readjust those dreams when they encounter obstacles. Students may compare the dreams of Willy Loman and Troy Maxson (August Wilson). What would Huck Finn say about Jay Gatsby's failed dream? What could Daisy Buchanan learn from Pilate Dead (Toni Morrison)? The course also highlights American intellectual and historical eras and the people who formed them. Students read up to 30 pages per night.

Level: Standard

Grade: 11

Credit: 1

EN3030 American Literature Honors

Students must hold opposites in their minds as they explore the paradoxes of American life as revealed in our literature. This course explores some of the tensions inherent in American ideals. The course also highlights intellectual and historical eras and the people who formed them. Students may learn about Transcendentalism through Emerson and Thoreau; the Harlem Renaissance through Langston Hughes and Zora Neale Hurston; or the Westward Movement through Mark Twain and Willa Cather. Students will examine American ideals as they manifested themselves in different historical and philosophical settings. Students read up to 40 pages per night.

Level: Honors

Grade: 11

Credit: 1

SENIOR PROGRAM – FULL-YEAR OPTIONS

A variety of year-long courses gives seniors the opportunity to pursue particular areas of interest in English. The English department will do its best to honor seniors' first choices, but due to the challenges of scheduling, students should give serious consideration to their alternate choices. Depending on course enrollments, some courses may not run in a given year.

THE SENIOR PAPER: In the spring of senior year, each student is required to complete a Senior Paper, a culminating reading and writing project related to his or her senior English course. The Senior Paper is a multi-step process which requires a minimum of 500 pages of independent reading and culminates in an 8 to 10-page analytic essay. Senior teachers use a common rubric to evaluate the essay. The Senior Paper is a Brookline High School graduation requirement. Students who fail to meet the Senior Paper requirement by the deadline will not graduate with their class and must take an appropriate summer school course to complete the Senior Paper.

TAKING TWO ENGLISH CLASSES: Juniors may sign up to take two senior English classes. The English Department does its best to accommodate second course requests. Seniors taking two English classes will write their official Senior Paper in one of the two classes and will complete another paper or project as a substitution for the senior paper in the other class. The details of this arrangement will be determined by the two teachers in consultation with the student.



EN 4020/EN 4030 Stranger in a Strange Land

“A stranger comes to town” is one of the oldest and most enduring story ideas in literature. The stranger might be returning home or moving to a new country. And he or she might be “strange” for all sorts of reasons: background, values, psychological state, culture, race, planet of origin. What happens when that stranger comes to town? This senior course explores how strangers adapt to new places and new modes of being. It explores how individuals and groups react to the Other. Students will read stories about immigrants, explorers, misfits, scapegoats, prophets, and other outsiders. Students will look at what “stranger” means and who gets to decide. And what does an outsider’s “otherness” reveal to and about those they encounter?

Students will examine their own experiences in this light, and will study literature from many different time periods, ancient to modern, and voices from different backgrounds and cultures. The course will include texts by some of the following authors: Shakespeare, Camus, Morrison, Sacks, Hurston, Twain, Silko, Lee, Bradbury, Mengestu, and Ellison.

This course is offered at two levels of difficulty:

EN4020 Standard: Students are expected to read up to 30 pages per night, to practice close reading, to participate actively in class, and to write creative, personal, and critical papers.

EN4030 Honors: Students are expected to read up to 40 pages per night, to practice close reading and in-depth analysis of assigned texts, to participate actively in class, and to write creative, personal, and critical papers. Outside reading may also be assigned.

EN4220 Biography and Autobiography

This course focuses on the true stories of people’s lives. Some books are about inspirational people who give to others, or brave people who confront evil, or persistent people who overcome long odds. The choice of titles depends on the students’ interests. Books that students have enjoyed in the past include: *Nickel and Dimed* (about low wage jobs), *The Color of Water* (a mixed race family), *Cockeyed* (blindness), *Persepolis* (Iranian graphic novel), *Girl, Interrupted* (mental hospitals), *She’s Not There* (gender identity), *Mountains Beyond Mountains* (medicine), *The Glass Castle* (dysfunctional family), *Long Way Gone* (African child soldier). Students read up to 30 pages a night.

Senior paper topics might include: overcoming poverty; cultural assimilation; achieving success in sports, business, or public life. The course also has a circulating book cart of over 100 memoirs, biographies, and autobiographies for outside reading. The only requirement for outside books is that students must find books they want to read.

Students will also write analytical papers and personal responses based on the readings. The course will include review of basic grammar to help prepare students for the New SAT and ACT tests.

Level: Standard

Grade: 12

Credit: 1

EN4430 British Literature

The British Isles, though small in size, have brought forth one of the world’s greatest literary traditions—rich in comedy, tragedy (both in drama and fiction), and lyric poetry. This course looks at some of the major themes in British literature—particularly social class, love, and marriage. Students will also have the opportunity to read and write about literature written in English from the former colonies—India, Africa, and the Caribbean, to name just a few. While critical reading and writing will be the major focus, this course also lends itself well to dramatic and creative projects.

Students will read works such as: *The Canterbury Tales*, *Hamlet*, *King Lear*, *Pride and Prejudice*, *Tess of the D’Urbervilles*, *Dubliners*, *A Room With a View*, *The Importance of Being Earnest*, *Pygmalion*, *To the Lighthouse*, *Portrait of the Artist As a Young Man*, *1984*, *The Remains of the Day*, sonnets, lyric nature poetry, and poetry of WWI. Students read up to 40 pages per night.

Level: Honors

Grade: 12

Credit: 1



EN4530 European Literature

In European Literature, students are introduced to some of the greatest works of Western civilization, works as varied as the *Bible*, *Hamlet*, *Madame Bovary*, *Waiting for Godot*, and *Blindness*. This literature, often challenging in content, style, or structure, gives us insight into the roots of modern consciousness. The course investigates a wide range of themes such as romance, family duty, crime and punishment, and the search for meaning in a complex world. While critical reading and writing will be the major focus, this course also lends itself well to dramatic and creative projects. Class time focuses on discussion and presentation.

Students read up to 40 pages per night.

Possible titles: *Medea*, *the Bible*, *The Romance of Tristan and Iseult*, *Hamlet*, *King Lear*, *The Dubliners*, *A Room of One's Own*, *The Inferno*, *Hedda Gabler*, *Waiting for Godot*, *Madame Bovary*, *Crime and Punishment*, *Blindness*, *The Unbearable Lightness of Being*, *Invisible Cities*, *The Cherry Orchard*.

Level: Honors

Grade: 12

Credit: 1

EN4100 Dramatic Literature: From Page to Stage

Human beings are natural born storytellers; we tell stories to connect with each other, to express our feelings, and to make sense of our world. Add some characters, props, and an audience-- and stories become theater. This course will take you back in a time machine to view the origins of theater and its evolution from caveman rituals, to Greek tragedies, to Shakespeare comedies, to present day hit shows, such as *The Book of Mormon* and play-inspired movies such as *The Lion King*. This class examines plays and screenplays not only as literature but as live 3-D performances. Students will engage in a wide range of group activities and creative assignments, such as designing posters and exploring costume design; they will also attend live theater productions. Anyone who has a genuine desire to learn more about dramatic literature is welcome in this course. Students study the work of playwrights such as Sophocles, Euripides, Shakespeare, Oscar Wilde, George Bernard Shaw, Henrik Ibsen, Tennessee Williams, and Suzan Lori-Parks. Students read up to 30 pages per night.

Level: Non-leveled

Grade: 12

Credit: 1

EN4600 Craft of Writing

This course is intended for seniors who have a serious interest in writing fiction and poetry. Students examine published authors from the perspective of a writer; in each unit, they study the craft of a master writer's work and use it as model and inspiration for their own work. Writers studied may include Ernest Hemingway, Virginia Woolf, Vladimir Nabokov, Emily Dickinson, Leo Tolstoy, Matthea Harvey, Jorge Luis Borges, and many others. Students write regularly and edit carefully. Students will pay close attention to many particular elements of a writer's craft such as: detail, structure, dialogue, point of view, description, narration, endings, epiphanies, image, ambiguity, rhythm, rhyme, lineation, and randomness. Significant class time is devoted to reading and critiquing each other's work. Students will study an author of their choosing for their Senior Paper and will also complete a final creative project inspired by that author. The course welcomes all students who will take seriously their own writing and the writing of others. Craft of Writing classes benefit if students bring with them a wide range of interests and styles. Students must submit a writing sample to the English Department in the spring of their junior year.

Level: Non-Leveled

Grade: 12

Credit: 1

Prerequisite: Writing Sample

EN4700 Public Speaking And Public Writing

This course is designed for students who wish to develop their skills and confidence in argumentative writing and public speaking. Students will study public speaking first at an introductory level, gradually moving to more advanced skills of oratory and presentation (including PowerPoint, Prezi, and video). Through careful reading and frequent writing, students will study how both essays and speeches work so that they can become effective writers and speakers in their own right. In addition, students will work to sharpen their research skills by conducting interviews, developing surveys, and using a variety of web-related tools to research issues of personal interest. This course is designed for students who have struggled with writing in the past but also for students who may be strong writers and are in search of a new way to present their ideas. Students should expect to write one short speech or essay each week and deliver speeches in class throughout the year. Students will also complete a senior paper, based on extensive outside reading regarding a topic of their choosing, and produce a final senior speech.

Level: Non-leveled

Grade: 12

Credit: 1



EN4800 Fiction and Film

In this unlevelled course, students will read and analyze written texts before viewing their film adaptations. Students will then examine and analyze each film in order to explore the technical and artistic decisions involved in the process of translating the written work into film. The course will offer a balance of reading, writing, and visual examination of film. Students will learn to write with precision and technical sophistication about both the written texts and their cinematic interpretations.

The course will expose students to various film genres, classic films and filmmakers, and film history. Students of all reading, writing, and technical abilities are encouraged to enroll. This course will include texts by some of the following authors: William Shakespeare, Jane Smiley, Joseph Conrad, Sherman Alexie, and Marjane Satrapi. Students will view films by Akira Kurosawa, Francis Ford Coppola, Spike Lee, and Alfred Hitchcock. Please note that several R-rated films are included in the curriculum. Students under 18 will need permission from a parent or guardian in September.

Level: Unleveled

Grade: 12

Credit: 1

ID1000 The Good Citizen In The Good Society

(Course not offered in 2013-2014)



What are the environmental impacts of the food I eat? How do my habits as a consumer contribute to economic justice or injustice? What can a single individual do in response to global problems? Good Citizen is an interdisciplinary, team-taught English and Social Studies class with a social justice focus. Our path of inquiry travels from the personal to the political, from the local to the global. Working in collaboration with the organization Facing History and Ourselves, the Good Citizen course aims to help students move "from thought to judgment to participation." Our goal is for students to envision a better world and their active role in it. This course has a strong experiential and service learning component. In the past, classes have visited a local organic farm, led workshops at Brookline elementary schools, and volunteered at an area food bank. In the spring, Good Citizen students complete a Senior Paper based on outside reading, and also complete a service/activism component. This course is designed to meet the needs of a range of students: Students who enjoy a hands-on approach to learning, students who are interested in social justice, and students who are looking for an alternative to a traditional English class may find this class to be a good fit. Course texts include both literature and nonfiction essays and articles by such authors as Diaz, Ehrenreich, Friedman, Gourevitch, Kidder, Morrison, Orwell, and Pollan.

Level: Non-Levelled

Periods per week: 8

Grade: 12

Credits: 2

OPTION COURSES 9-12

ID0100 Journalism I

In this full-year interdisciplinary elective, students in grades 10 through 12 learn the essential skills of print journalism and the steps involved in creating a newspaper. Students receive instruction in reporting, interviewing, writing, editing, and layout, as well as in the history and ethics of journalism. Students enrolled in this course plan, write, and produce the school newspaper, The Sagamore. The course seeks a range of students to contribute to the newspaper in a variety of areas: reporting and writing, editing, graphic design, photography, and business. The course is taught by an English teacher.

Level: Non-levelled

Credit: 1 CE credit

Prerequisite: Application through instructor

Grade: 10-12

ID0130 Journalism II

In this full-year interdisciplinary elective, students in grades 10-12 are trained in executive positions such as Editor-in-Chief, Business Manager, and Layout Manager. Journalism II students are responsible for running the production of the school newspaper, The Sagamore, and overseeing staff and contributing writers. Students receive advanced instruction in reporting, interviewing, writing, editing, and layout, as well as in the history and ethics of journalism. Journalism II students will help teach the basics to new reporters and will train Journalism I students to be management staff. The final class list will include returning editors and qualified applicants. The course is taught by an English teacher.

Level: Honors

Credit: 1 CE credit

Prerequisite: Journalism I, and/or application through instructor

Grade: 10-12



ENGLISH AS A SECOND LANGUAGE

Brookline High School has a large and diverse international student population. Whether immigrants or temporary residents, these students are welcome at the high school and are encouraged to participate in all school activities.

The English Language Learners' (ELL) Program is designed for those students who are not yet proficient in English. The purpose of the program is to provide intensive English language instruction and an orientation to American culture and high school life. Students enrolled in the ELL program take English as a Second Language (ELL) courses as well as additional courses from the general school curriculum and are expected to fulfill school requirements for graduation.

Placement into ELL classes is determined by interview and assessment. Three levels of coursework emphasize listening, speaking, reading and writing skills. A student placed in any of the levels must register for each group of full-year courses at that level. Based on individual performance, parental input and teacher recommendation, students may move to other levels at the end of a semester. Each level of ELL course work carries World Language and English Department credits which may be applied toward graduation requirements. While enrolled in the ELL program and taking ELL courses, a student may not register for any other English Department course without departmental permission.

BEGINNING LEVEL ELL

This level of ELL is designed for students who have little or no proficiency in English. Two complementary courses provide instruction and practice in basic communication skills and literacy. Students must register for both courses in this level.

EL1000 ELL I: Grammar, Vocabulary, and Conversation Skills

Students in this course learn and practice orally basic grammatical structures and vocabulary by incorporating them into situationally appropriate language. Emphasis is on listening and speaking skills. A textbook, workbook, and supplementary materials are used for instruction and practice. (To be taken with EL1100)

Level: N

Grade: 9-12

Credit: 1 World Lang.

EL1100 ELL I: Reading and Writing

This course emphasizes basic reading and writing skills through individual and group work. Students read and discuss short selections on topics of American culture, geography, and various literary works in level-appropriate English. Writing activities include guided compositions that focus on mechanics, sentence combining, and paragraph structure. Students will write their own short compositions. (To be taken with EL1000)

Level: N

Grade: 9-12

Credit: 1 English

INTERMEDIATE LEVEL ELL

This level of ELL is designed for students who have a basic knowledge of English. Students work on listening, reading, writing, and speaking and learn to combine these skills in communicating. There is also a strong focus on the study of American culture. Students must register for both complementary courses at this level.

EL2000 ELL II: English in Context

The emphasis of this course is on communication in reading and writing. Students read a variety of genres including fables, short stories, poems, novels, essays, and plays. Frequent writing assignments in the form of journals, compositions, and written exercises are combined with readings from a variety of sources. Oral skills are enhanced through class discussion. (To be taken with EL2100)

Level: N

Grade: 9-12

Prerequisite: Beginning level ELL or equivalent

Credit: 1 World Lang.



EL2100 ELL II: Communicating in English

The emphasis of this course is on oral language development. While all skills are practiced, focus is on listening and speaking. Exercises using taped materials, class discussion, lab work and class presentation provide practice. (To be taken with EL2000).

Level: N

Grade: 9-12

Prerequisite: Beginning level ELL or equivalent Credit:

1 English

ADVANCED LEVEL ELL

This level of ELL is designed for students who have a good knowledge of English but need additional language practice before taking mainstream English department courses. Two complementary courses provide practice in all skills, but emphasize particularly reading and writing. Students must register for both courses at this level.

EL3000 ELL III: Composition

This course is designed to enhance the writing skills of advanced English language learners. Classwork and assignments include descriptive, expository, and persuasive essays, research papers, poetry, magazine articles, journal writing, and original short stories and drama. Grammar and composition exercises will support major writing assignments. The course also provides practice in listening and speaking skills. (To be taken with EL3100)

Level: N

Grade: 9-12

Prerequisite: Intermediate level ELL or equivalent

Credit: 1 World Lang.

EL3100 ELL III: Literature

This course is designed for advanced ELL students who have considerable command of English as speakers, readers, and writers. It aims to prepare them for future participation in the English Department program or freshman college courses. At home, students read nightly from the current literary work the class is studying. In class, the group discusses, works in pairs, or collaborates in small units on related assignments. Vocabulary, reading, writing, and analytical skills are emphasized. (To be taken with EL3000)

Level: N

Grade: 9-12

Prerequisite: Intermediate level ELL or equivalent

Credit: 1 English



HEALTH AND FITNESS

The Brookline High School Health and Fitness Program is designed to teach students content and skills, allowing them to be healthy and active throughout life. Students learn current health content and related personal skills, including goal setting, in order to make positive decisions around health and wellness issues. Further learning experiences are offered in the development and function of the human body, the principles of human movement, the application of health and fitness concepts in daily life, as well as communication, decision-making, and media literacy skills. Class work often focuses on the development of confidence in physical skills in a variety of lifetime activities. Another focal point involves group dynamics with students learning to work together in small and large group situations. Emphasis is also placed on the acceptance and appreciation of the range of individual abilities among students.

In the ninth grade, all students are required to pass one semester of Integrated Health and Fitness. This course is designed to make the health and fitness curricular connections more meaningful. The course will meet four times per week for one semester. In the classroom, students are encouraged to listen to others, express their own views, and examine their health and wellness decisions. Physical activities and training often serve as the "lab session" for related health needs. The 10th, 11th and 12th grade courses are designed to provide students with a selection of lifetime activities and health related opportunities on a semester basis.

After School Contract Health and Fitness is offered to sophomores, juniors and seniors who take instruction off campus in a lifetime activity that is not offered at the high school. Final grade (P or F) is contingent upon fulfillment of all contract responsibilities. Sports Team credit is offered to sophomores, juniors and seniors who choose to fulfill their requirement with a BHS interscholastic sport. One sport equals one semester of Health and Fitness. Final grade (P or F) is contingent upon completing the season in good standing. See the course descriptions for more complete details.

Brookline High School has a four year graduation requirement in Health and Fitness. Freshmen, sophomores, juniors and seniors are required to take one semester of Health and Fitness each year. It is the goal of the program that at the end of four years at Brookline High School, students will have learned the skills, knowledge, and attitudes needed to make decisions and integrate behaviors that result in a healthy and fit lifestyle.



HF0900 9th Grade Integrated Health and Fitness

This course covers important adolescent health and wellness content including substance abuse awareness, sex education (relationships, sexuality, anatomy and physiology of the reproductive system, HIV/AIDS, STI's, and good decision-making), stress management, violence prevention, nutrition, and current health issues. The course emphasizes skill development in refusal skills, listening, assertiveness, coping, conflict resolution, media literacy, decision-making, and communication. Instruction in the use of equipment in the fitness center (weight training and cardiovascular conditioning) is introduced along with selected lifetime activities (e.g. yoga) and adventure/challenge/problem-solving activities. Students also complete a Common Grade Level Assessment based on SPARK by Dr. John Ratey, learning about the connection between the neuroscience of cardiovascular exercise and brain performance.

Level: N

Grade: 9 (REQUIRED)

Combined Credit: .5

HF1100 10th/11th/12th Grade Lifetime Activities

This course provides students with an opportunity to elect from a select group of lifetime and fitness activities. (e.g. May include personalized fitness training, tennis, badminton, adventure/rock climbing, boxing for fitness). Students will also participate in health education lessons periodically.

Level: N

Periods per week: 2

Grade: 10, 11, 12

Credit: .25

HF2100 Tennis Specialization

This course is designed for those students who have an interest in acquiring or developing the fundamental skills and strategies of tennis. This course fulfills the requirement for grades 10, 11 & 12. This course must have a minimum of 15 students to be offered.

Level: N

Periods per week: 2

Grade: 10, 11, 12

Credit: .25

HF2200 Swimming- Aqua-Aerobics/Lap Swimming

This course is designed for those students who have an interest in acquiring or developing the fundamental strokes and benefits of swimming and aqua-aerobic exercise (may include lap swimming depending on skill level). This course fulfills the requirements for grades 10, 11 & 12. This course must have a minimum of 10 students to be offered.

Level: N

Periods per week: 2

Grade: 10, 11, 12

Credit: .25

HF2300 Weight Training and Cardiovascular Conditioning

This course is designed for students who have an interest in developing and implementing a personal fitness program. Weight training techniques and safety procedures will be taught utilizing both weight machines and free weights. Students will also receive instruction in cardiovascular fitness and the proper use of equipment promoting it. Each student will develop a personal fitness profile. This course fulfills the requirements for grades 10, 11 & 12.

Level: N

Periods per week: 2

Grade: 10, 11, 12

Credit: .25

HF2400 Rock Climbing/Adventure

This course is designed to give students experience with adventure programs. There will be an emphasis on developing climbing, safety and belaying skills. Knots, ropes and rappelling will be taught. Field trips to local sites such as the Boston Rock Gym or MetroRock (Fall) or Hammond Pond (Spring) are designed to help students refine, apply, and practice their skills. These trips are part of the course requirements. This course fulfills the requirements for grades 10, 11 & 12.

Level: N

Periods per week: 2

Grade: 10, 11, 12

Credit: .25



HF2500 Basketball Specialization

This course is designed for those students who have an interest in acquiring a complete understanding of the game of basketball. Components of the course will include learning to referee, coach, record statistics, video, and announce/commentate as well as other facets of the game and its culture. Additionally, students will continue to develop fundamental skills and strategies, and knowledge of the rules of basketball. Upon completion of the course, students will have the knowledge to referee and coach intramural, elementary or recreational basketball games. This course must have a minimum of 15 students.

Level: N Periods per week: 2 Grade: 10, 11, 12 Credit: .25

HF2600 *The Revolution* – Improving Brain Performance

This course will explore the connection between exercise and the brain's performance. Research shows that even moderate cardiovascular exercise will supercharge mental circuits to beat stress, sharpen thinking, and enhance memory. The course is designed to improve the physical health, emotional health, and academic achievement of each student. It will focus on improving students' cardiovascular health while also improving students' readiness for learning and academic success. The course will emphasize participation in a variety of aerobic activities so that students work out within their target heart rate zone to maximize gains in brain functioning. Students will learn about resting and exercise heart rates and how to use heart rate monitors. They will understand how this tool can help them achieve cardiovascular fitness and its benefits. The core beliefs in this course are based on research reported in the book, *SPARK*, by John J. Ratey, MD as well as other current neuroscience research which reports a direct correlation between exercise and the brain.

Level: N Periods per week: 4 or 5 Grade: 10, 11, 12 Credit: .50

HF2800 Achieving Health Through Yoga

Yoga is an ancient form of exercise that focuses on the unification of body, mind, and breath while practicing a variety of physical postures and movement sequences. Students will learn yoga poses, breathing exercises, relaxation and meditation techniques to strengthen, align, and balance the body, focus the mind, and soothe and recharge the nervous system. Discussions and reflective writing will center on our body systems, managing stress and feelings, and the impact of one's behavior choices, as well as education in health, nutrition, and life skills.

Level: N Periods per week: 2 Grade: 10, 11, 12 Credit: .25

HF2700 Introduction to Prevention and Peer Education

Students in this Peer Education course will acquire the necessary information and skills to become a Peer Leader. The goal of Peer Leadership is to promote healthy decision making among youth in Brookline and to prevent underage drinking, impaired driving, teen violence and other high-risk behaviors. Students will also expand their knowledge and appreciation of lifetime fitness activities.

This course will provide students with an increased awareness of current social issues affecting youth and an opportunity to be community activists and agents of social change. Substance abuse and violence prevention curriculum will expand and deepen students' understanding of current issues including: tobacco, alcohol and drug use; gender roles in the media; sexual harassment; sexual assault; power and abuse in relationships; violence prevention; and cultural diversity. Students will have the opportunity to participate weekly on a range of lifetime fitness related activities.

Students will be expected to actively engage in discussion of these issues and to engage in educational and prevention programs. Assignments will include preparation and presentation of substance abuse prevention. Techniques to be used may include educational presentations, panel discussions, arts/dramatic performances, role-play and other interactive exercises, web sites, and video presentations. Only students who are committed to the prevention of underage drinking and drug abuse and associated high risk behavior may be accepted into this course.

Students will also be expected to develop a personalized fitness plan which will include physical workouts for a minimum of 3-4 times per week. Students will maintain a fitness journal and will document all fitness activities weekly.

Prerequisite: Freshman Health Periods per week: 2 Grade: 10-11
One-semester course Credit: .25



HF2000 After School Contract Health and Fitness

This contract is for sophomores, juniors and seniors who want to substitute an outside physical education instructional lifetime activity for their Health and Fitness requirement. One contract per year is allowed.

Students may sign-up using the following guidelines:

- Requests for the contract must be made to the Curriculum Coordinator of Health and Fitness prior to participation in the activity and prior to the start of the semester.
- Students in the 9th grade may not enroll in this course.
- Programs which students choose must be instructional (i.e. karate, horseback riding).
- Activity for which a contract is written is not offered at Brookline High School.
- Time spent in a contract activity must meet the minimum time requirement of 40 hours, spread evenly throughout the semester. Reports on attendance and progress must be submitted at regular intervals, culminating with a summary report and additional assignment to the Curriculum Coordinator located in Room 291 above the Schluntz gym.
- Final grade (P or F) is contingent upon fulfillment of all contract responsibilities.

Level: N

Grade: 10, 11, 12

Credit: .25

HF (number according to sports team list below)* Sports Team

This option is for sophomores, juniors and seniors who want to substitute a BHS interscholastic sport for their Health and Fitness requirement. One sport is equal to one semester of health and fitness. One sports team per year (Gr. 10-12) is allowed for credit. If for any reason, including getting cut from the sport or injury, the student does not complete the sport, s/he must take a Health and Fitness course the following semester. Seniors who plan to use a spring sport for credit must have played that sport at the varsity level during the previous year.

Students must see their guidance counselor to add their sport to their schedule by the second week of the school year.

Level: N

Grade: 10, 11, 12

Credit: .25

*Sports Teams Course Numbers

BOYS

Fall

Cross Country – HF001B
Football – HF011B
Golf – HF051B
Soccer – HF031B

Winter

Basketball – HF092B
Ice Hockey – HF102B
Winter Track – HF132B
Swimming – HF152B

Spring

Crew – HF182B
Baseball – HF192B
Lacrosse – HF202B
Tennis – HF222B
Track – HF232B
Rugby – HF242B
Volleyball – HF062B

GIRLS

Fall

Cross Country – HF001G
Field Hockey – HF021G
Soccer – HF041G
Volleyball – HF061G
Cheerleading – HF071G
Swimming – HF081G

Winter

Basketball – HF092G
Ice Hockey – HF102G
Winter Track – HF132G
Cheerleading Winter – HF162G
Gymnastics – HF172G
Dance – HF252G

Spring

Crew - HF182G
Softball – HF192G
Lacrosse – HF202G
Tennis – HF222G
Track – HF232G
Golf – HF052G

UNISEX

Fall

Winter

Downhill Skiing – HF112U
Cross Country Skiing – HF122U
Wrestling – HF142U

Spring

Sailing – HF212U

Students must request credit for their sport season PRIOR to participation in the sport season.



MATHEMATICS

The Mathematics Department offers a variety of courses designed to accommodate individual interests and capabilities. In general there are three levels of courses: Advanced, Honors and Standard. Both the Honors and Advanced sequence of courses culminate in either AP Calculus or AP Statistics. In addition, students have the option of taking an alternative, unlevelled four-year IMP (Interactive Math Program) sequence of courses.

Students who are uncertain about the mathematics course to select should confer with their teacher or with the curriculum coordinator. Placement in a sequence does not lock a student into that sequence. With the teacher's or coordinator's recommendation, students can change sequences during the year or from year to year. Students seeking placement in a more challenging sequence will be expected to demonstrate the appropriateness of the change in one or more of these ways:

- Superior work in the current placement.
- Summer study at the Brookline Summer School.
- Other spring or summer study approved by the Curriculum Coordinator.

Students in every math class are expected to be well organized, to maintain a notebook, and to conscientiously complete regular homework assignments. Graphing calculators are used throughout the math curriculum; it is strongly recommended that students have their own graphing calculator to use at home and at school.

A minimum of three credits in mathematics is required for graduation.

THE STANDARD SEQUENCE

The goal of the following sequence is the development of proficiency in using algebraic and geometric concepts in a problem-solving context. It prepares students to take the MCAS, SAT I and II, and will provide the mathematical background for students to take calculus in college.

MA1020 Geometry

An examination of geometric relationships, including polygons, congruent and similar figures, right triangle trigonometry, circles, area and volume, coordinate geometry, and parallel and perpendicular lines. Emphasis is on building understanding of concepts through hands-on investigation, pattern-finding, and cooperative group work. Prerequisite: Completion of the eighth grade program. Grade: 9 Credit: 1

MA2020 Intro Algebra 2

This course is the beginning of a second-year algebra sequence. Topics of study include probability, one-dimensional inequalities, one-dimensional absolute value equations and inequalities, linear equations and two-dimensional inequalities, systems of linear equations, quadratic equations, applied problem solving and MCAS practice.

Prerequisite: Geometry Grade: 10 Credit: 1

MA3020 Algebra 2 and Trigonometry

This course is the completion of a second-year algebra sequence. Topics of study include polynomials, functions, irrational numbers, transformational geometry, quadratic equations, exponential equations, logarithms and an introduction to unit circle trigonometry.

Prerequisite: Intro Algebra 2 or Geometry H Grade: 10, 11 Credit: 1



MA4020 Precalculus

Successful completion of this course will prepare students to take Honors Calculus or an introductory calculus course in college. Topics include unit circle trigonometry and identities, trigonometric functions and modeling, rational functions, logarithmic and exponential functions, sequences and series, probability and limits.

Prerequisite: Algebra 2 and Trig or Algebra 2 and Trig Honor

Grade: 11, 12

Credit: 1

The following course is designed for students who need to develop a stronger foundation in algebraic reasoning. It may be taken before Introduction to Algebra 2.

MA1000 Algebra 1

An examination of the fundamental concepts of algebra including: the review of operations with rational numbers, solving equations with variables on both sides, solving word problems, adding, subtracting and multiplying polynomials, and graphing linear equations. A focus on number sense will be applied to all topics.

Grade: 10-12

Credit: 1

The following two courses provide an alternate pathway through the 11th and 12th grades. They take a more topical, inquiry-based approach.

MA3010 Algebra 2 and Technology

The year is divided into units in which students explore linear equations and inequalities, linear programming, exponential growth and decay, quadratic equations, probability, mathematical modeling and SAT review. A significant amount of time is spent in the computer lab where students use a spreadsheet program to investigate topics they are studying in class.

Prerequisite: Algebra 1 or Intro Algebra 2

Grade: 11

Credit: 1

MA4010 College Algebra Topics

Through an analysis of functions and coordinate geometry students are prepared for the study of college algebra or pre-calculus in college. Topics include families of functions (polynomial, radical, rational, exponential, and logarithmic), curve fitting, sequences and series, and probability.

Prerequisite: Algebra & Problem Solving 1 or Algebra 2 and Trigonometry

Grade: 12

Credit: 1

THE INTERACTIVE MATHEMATICS PROGRAM (IMP)

THE INTERACTIVE MATHEMATICS PROGRAM (IMP) is an innovative, non-leveled four year college preparatory sequence of course created to address the National Council of Teachers of Mathematics' standards integrating algebra, geometry, trigonometry, probability, statistics and discrete mathematics. The curriculum is organized in four- to six-week units around a central problem or theme. Motivated by this focus, students solve a variety of smaller routine and non-routine problems that develop the underlying skills and concepts needed to solve the central problem. Students work in teams as well as individually to strategize, solve problems and present ideas both in writing and orally. Graphing calculators are used regularly.

IMP provides preparation for the MCAS, SAT I and SAT II exams. Students should plan to remain in IMP through IMP4. In their senior year, students may add a senior elective.

IMP Honor: With the approval of a parent/guardian, guidance counselor, and previous mathematics teacher, a student may elect to take each IMP course for honor credit. Students studying at the honor level will be held to high academic standards and will be expected to regularly complete additional assignments. Honor assignments are designed to be completed through independent work outside of the regular IMP class time and students' understanding will be assessed.

MA1025 IMP 1 MA1035 IMP 1 Honor

The year is divided into four units covering topics in algebra, geometry, trigonometry, probability and statistics. Students examine linear expressions and graphs, probability area models and expected value, normal distribution, standard deviation, curve fitting, similarity and congruency of polygons and right triangle trigonometry.

Grade: 9

Credit: 1



MA2025 IMP 2 MA2035 IMP 2 Honor

The year is divided into four units covering topics in algebra, geometry, trigonometry, and logic. Students extend their work on algebraic expressions and graphs, quadratic functions, geometric problems including surface area and volume, fractional, negative and whole number exponents and logarithms and linear programming. (9th graders who qualify for Geometry Honor may take either of these courses with the recommendation of the 8th grade teacher.)

Prerequisite: IMP 1 or permission by coordinator Grade: 9, 10 Credit: 1

MA3025 IMP 3 MA3035 IMP 3 Honor

The year is divided into five units examining combinations and permutations, the binomial distribution and statistical reasoning, multi-variable linear programming, matrix algebra, functions and inverses, locus problems, congruence and similarity, coordinate geometry, rate of change using slope and derivative, exponential functions, logarithms, curve fitting, circular trigonometric function, and the physics of falling objects.

Prerequisite: IMP 2 Grade: 10, 11 Credit: 1

MA4025 IMP 4 MA4035 IMP 4 Honor

The year is divided into four units. Students continue their study of circular trigonometric functions and the physics of falling objects from IMP3 and transition to an extensive study of other function families and operations on functions. The second semester begins with a statistics unit covering the central limit theorem, data sampling, margin of error, polling and confidence levels. The final unit of the year covers key concepts of Calculus – rates of change and the fundamental theorem of calculus. If time allows, geometric transformations and their matrix representations, three-dimensional geometry, and programming on graphing calculators will be introduced.

Prerequisite: IMP 3 Grade: 11, 12 Credit: 1

THE HONOR SEQUENCE

THE HONOR SEQUENCE is designed for students who are capable of handling abstraction and who are willing to invest significant independent time exploring mathematical concepts in depth. The program requires sustained and focused effort, often relying on students to work individually or in groups developing and applying mathematical concepts. Daily independent reading of the textbook is required. Upon completion of the first three years of the honor sequence students are prepared to take AP Calculus AB.

MA1030 Geometry Honor

An examination of algebraic and geometric relationships, including coordinate geometry, parallel and perpendicular lines, congruent and similar figures, quadrilaterals, right triangle trigonometry, circles, area and volume. Students will be asked to write traditional Euclidian proofs throughout the year. Some topics from Algebra 1, including solving linear and quadratic equations, will be reviewed.

Prerequisite: the recommendation of the 8th grade teacher. Grade: 9 Credit: 1

MA2030 Algebra 2 & Trigonometry Honor

A study of advanced topics from algebra, including an exploration of linear, quadratic, exponential, logarithmic, and polynomial functions and their graphs as well as an introduction to trigonometric functions and matrix algebra.

Prerequisite: Geometry Honor Grade: 10 Credit: 1

MA3030 Precalculus Honor

A study of exponential and logarithmic functions, conic sections, trigonometry, transformations, probability, statistics, the binomial theorem, sequences, series, and limits.

Prerequisite: Algebra 2 & Trigonometry Honor Grade: 11 Credit: 1



MA4030 Calculus Honor

This course will provide students with a strong, conceptual understanding of the Calculus. Students will experience an extensive development of the concepts of derivatives and integrals, limits, continuity, numerical approximations, and the Fundamental Theorem of Calculus. This course will prepare students to take an Introductory Calculus course at the college level.

Prerequisite: PreCalculus or Precalculus Honor

Grade: 12

Credit: 1

THE ADVANCED LEVEL MATHEMATICS SEQUENCE

THE ADVANCED LEVEL MATHEMATICS SEQUENCE is an intensive and accelerated four-year program which emphasizes the theoretical nature of mathematics and which places significant responsibility on students to pursue ideas outside the classroom. It provides preparation for the AB and BC forms of the Advanced Placement Calculus Examination at the end of grade 12.

MA1040 Geometry Advanced

An advanced study of geometry. Topics include: formal logic, parallel lines, circles, quadrilaterals, congruent and similar figures, coordinate and transformational geometry, loci, right triangle trigonometry, area and volume. Students will be required to write traditional Euclidean proofs throughout the course. In addition, functions are introduced and quadratic equations are studied in great depth.

Prerequisite: the recommendation of the eighth grade teacher.

Grade: 9

Credit: 1

MA2040 Algebra 2 and Trigonometry Advanced

An advanced study of algebra and trigonometry. Topics include polynomial, rational, logarithmic, exponential and trigonometric functions. In addition students will explore polar coordinates, complex numbers, circle and triangle trigonometry and conic sections.

Prerequisite: Geometry Advanced

Grade: 10

Credit: 1

MA3040 Precalculus Advanced

A study of polar and parametric equations, vectors, lines and planes, matrices, transformations, probability, mathematical induction, sequences, series and limits.

Prerequisite: Algebra 2 and Trigonometry Advanced

Grade: 11

Credit: 1

MA4040 AP Calculus AB

All topics in the AB Syllabus of the College Entrance Examination Board are thoroughly covered, including an extensive development of the concepts of derivatives and integrals, limits, continuity, vector functions, numerical approximations, and the Fundamental Theorem of Calculus. Students are expected to take the AP exam in the spring.

Prerequisite: Precalculus Honor or Precalculus Advanced

Grade: 12

Credit: 1

MA4041 AP Calculus BC

All topics in the BC Syllabus of the College Entrance Examination Board are thoroughly covered. These include an extensive development of the concepts of derivatives and integrals, limits, continuity, vector functions, improper integrals, convergence tests for sequences and series, and Taylor series. Students are expected to take the AP exam in the spring.

Prerequisite: Precalculus Advanced

Grade: 12

Credit: 1



OTHER SENIOR OPTION COURSES

MA4120 Statistics

An introductory study of how numerical data may be analyzed as an aid in decision-making. Topics include data analysis of one and two variables, normal distribution, t-distribution, sampling methods and experimental design, and statistical inference including significance tests and confidence intervals using quantitative and categorical data. Students frequently use statistical software and a TI-83 graphing calculator in class.

This course may be taken concurrently with any calculus course.

Prerequisite: Precalculus, IMP3 or IMP4. Students completing Algebra 2 and Trigonometry may enroll in the course with recommendation from teacher.

Grade: 11, 12

Credit: 1

MA4140 AP Statistics

An introductory study of how numerical data may be analyzed and used as an aid to decision-making. Topics include probability, frequency distributions (including the normal distribution), random variables, sampling techniques, experimental design, binomial experiments, linear regression, coefficient of correlation and statistical inference including significance tests and confidence intervals. Students frequently use statistical software and the TI-83 graphing calculator in class. Students are expected to take the Advanced Placement Statistics exam in the spring.

This course may be taken concurrently with any calculus course.

Prerequisite: Precalculus Honor, Precalculus Advanced or IMP4

Grade: 11, 12

Credit: 1

MA4200 A Human Math Experience

In this course, you will experience math in a way that differs from any other math course you've ever taken. Join us as we explore fractals, non-Euclidean geometries, and Game Theory. Discover how math is applied in the real world to solve problems in fields such as finance, medicine, and environmental issues. Expand your view as we search for math in art and literature. Listen to a guest speaker, embark on a field trip, discuss a current article, and design your own project. The structure will flow between class seminars, cooperative small group activities, and individual investigations. Culminate with a unique opportunity to pursue in depth a math idea that has ignited *your* interest.

This course may be taken concurrently with any precalculus, calculus or statistics course.

Prerequisite: Alg. 2 & Trig

Grade: 12

Credit: 1



SYLVIA K. BURACK LIBRARY/MEDIA CENTER

The mission of Brookline High School's Sylvia K. Burack Library is to empower students to be critical thinkers, enthusiastic readers, skillful researchers, and ethical users and creators of information.

The Library and Information Skills Curriculum is an important part of the academic program at Brookline High School. Librarians actively collaborate with classroom teachers in all disciplines to plan and teach the research process, 21st century information skills, as well as literature selection and criticism. Librarians are always available to help individual students develop search strategies, to guide them in the effective and appropriate use of computers, and to encourage them to make critical evaluations of the many available materials. The librarians also help students select books for their own reading enjoyment, for class use, and for independent class projects.

The library's online and print resources are carefully chosen to support the school's varied course offerings, as well as the library's mission. BHS students are able to access a wealth of reliable research sources online through the library's subscription databases, including reference books, magazines, newspapers, and primary sources. Available 24/7 via the Internet, these resources extend the library collection far beyond the walls of the high school.

The audiovisual collection includes instructional equipment and curriculum-related videos. The audiovisual librarian teaches digital video production courses.

LI1000 Digital Video Production I

Digital Video Production provides students with the skills necessary to produce original videos using state-of-the-art technology. These skills include scriptwriting, storyboarding, basic film techniques and post-production editing. Students will critique and analyze historical and contemporary examples of film and television, including commercials and their own original videos. Students work to create original work that is inventive and within the constraints/demands of clients. Student generated productions are viewed and critiqued by a group of peers to reflect on the response of an audience.

Level: N

Grade: 9-12

Credit: .5

LI2000 Digital Video Production II

Students continue the investigation of techniques, story ideas, scripts, scenes, music and appeal for an audience while filming, and editing digital videos. Students pursue individual productions as they incorporate new techniques and advance proficiency in creating compelling video. Students will conduct in-depth analyses of selected directors and their films. Class participation in brainstorming, critiques, and final viewing of the videos is used to provide feedback to the videographers.

Level: N

Grade: 9-12

Prerequisite: Digital Video Production I

Credit: .5



OPPORTUNITY FOR CHANGE PROGRAM

The Opportunity for Change Program is committed to helping students make changes in order to succeed without compromising academic standards. In a compact nurturing environment, students experience a supportive structure outside the mainstream schedule.

We want our students to feel in control of their lives. In order to do that, they must learn how to access information, to interpret data and to solve problems. We seek to provide a college preparatory curriculum for students who have not found success in the mainstream. Instead of taking multiple classes at once, students take one academic class per two-week cycle and receive a report card at the end of each cycle. Students take English, Math, Social Studies and Science in OFC and Health and Fitness in the mainstream. Students may choose to enroll in a mainstream World Language or elective course during A or B block. Students also participate in an OFC homeroom and an Academic Achievement study hall. In addition to classroom curriculum, the program reaches beyond the walls of the school, offering opportunities for travel and cultural enrichment, from Boston's museums to the Wachusett ski slopes.

OFC engages families to ensure the success of their child. This includes organizing support systems in the school and community for the well being of the student.

OFC is limited to 48 students in grades 10, 11, and 12. Acceptance into the program follows an extensive admissions process that includes the student, their family, and the Coordinator.

COURSE OFFERINGS

Social Studies	10 th Grade	World History
	11 th Grade	U.S. History
	12 th Grade	Contemporary History
English	10 th Grade	Lit From the World
	11 th Grade	American Lit
	12 th Grade	Senior English
Math	10 th Grade	Int. Algebra II
	11 th Grade	Algebra II
	12 th Grade	Advanced Algebra
Science	10 th Grade	Chemistry
	11 th Grade	Biology
	12 th Grade	Forensic Science

Field Trips may include (All grades) Outward Bound (Low ropes/High ropes), Skiing (Downhill and Cross Country), Ice Skating, Museums (Art, Science, Historical), Mediation Conference Workshops, Educational Walking Tours, Historical Sites of Brookline, Boston, and New England



PERFORMING ARTS

The arts teach self-discipline, reinforce self esteem and foster the thinking skills and creativity that are so necessary for students maturing and moving toward further education and employment. The Performing Arts Department at BHS offers 24 courses in its allied arts: Dance, Drama, Music. By emphasizing discipline based arts education, Performing Arts courses provide students the opportunities to:

- Connect their imagination with the deepest questions of human existence: Who am I? What must I do? Where am I going?
- Understand how the arts are used to communicate with intent.
- Present ideas and issues, to teach or persuade, to entertain.
- Develop the attitudes, characteristics and critical thinking skills required to effectively participate in a complex and ever changing society.

MUSIC

The Music Program provides courses to stimulate the student's process of music learning through comprehensive experiences in performing, composing, organizing, and describing music. The music courses offered during the school day are the foundation of the instructional program. The vocal and instrumental programs study and perform music from the 16th to the 21st century in a variety of styles, chosen for the inherent quality, challenges, enrichment and rewards it presents performers. Many courses ranging from beginning to advanced levels of difficulty are offered. Music courses without a performance requirement include AP Music Theory, Creative Music, Intro to World Music and Piano Class. Classroom facilities include a Choral Room, Band Room, Piano Lab, Computer Music Room, Black Box Theater, White Box rehearsal space, and the Roberts/Dubbs Auditorium.

CHORAL MUSIC

PA1000 Concert Choir

Concert Choir is open to anyone with or without singing experience. Healthy singing technique as well as sight singing and aural (listening) skills are emphasized. This choir provides the opportunity for students to perform in a group of mixed voices that presents the finest examples of choral music from all periods and styles. This choir typically performs three to four evening concerts per year and at school assemblies. Performances for community organizations may also be arranged.

Level: N

Grade: 9-12

Credit: 1

PA1200 Camerata Honor

Camerata is an advanced choir where students can expand their vocal music repertoire, improve their musicianship, and increase their proficiency in sight singing. Frequent performances and special projects are included in the year's schedule of events. Enrollment into the group is by audition. Auditions for Camerata are held in the spring. Students who are new to Brookline may audition in September. All Camerata students must be enrolled in either Concert Choir or A-Cappella Choir for two academic years. This requirement can be met before admittance into the Camerata or concurrently as a member of the Camerata.

Level: H

Periods per week: 2 Z -Blocks +one evening

Grade: 9-12

Prerequisite: Audition

Credit: 1



PA1500 A-Cappella Choir

A-Cappella Choir is open to anyone with or without singing experience, although an excellent sense of pitch and rhythm is highly recommended. Healthy singing technique as well as sight singing and aural (listening) skills are emphasized. Students will become familiar with the performance of contemporary A-Cappella (voices only) music which has recently become highly popular on college and university campuses. The class repertoire will include popular songs from the 20th Century to today: everything from Doo-wop to Rock, the Beatles to Gershwin, from the Beach Boys to Madonna, Billy Joel and John Mayer. Depending on student interest, exploration of vocal percussion may be included. The A-Cappella Choir typically performs three to four evening concerts per year as well as at school assemblies. Performances for community organizations are also arranged. The A-Cappella Choir also combines with the Concert Choir and Camerata at various times throughout the year in performances of other styles of music.

Level: N

Grade: 10-12

Prerequisite: One year of Concert Choir or permission of instructor

Credit: 1

INSTRUMENTAL MUSIC

PA2000 Concert Band

Concert Band is a group of woodwind brass and percussion players that performs classical as well as popular band literature. The Concert Band performs at BHS assemblies, evening concerts, statewide competitions and community events. Concert Band members also participate in exchange programs with bands from other high schools.

Level: N

Periods per week: 5 x Z Blocks

Grade: 9-12

Prerequisite: Previous school or private instruction on an instrument

Credit: 1

PA2201 Digital Production and Composition

This class is designed for any student who is interested in composition and learning to use digital audio software. By examining different styles of music the student will be able to develop a clearer understanding of harmony, counterpoint, rhythm, form, aesthetics, and mixing. Each student will be continually composing short pieces of music using the digital audio program Logic Pro 9. Basic music knowledge is helpful but not required. One major composition will be required at the end of the semester.

Level: N

Grade: 9-12

Credit: .5

PA2300 Jazz Band

Jazz Band is a 15-18 member instrumental ensemble, providing opportunities for students to play jazz and modern "big band" music. Students who elect this ensemble usually have some background and understanding of jazz. Repertoire is chosen with an emphasis on learning and developing improvisational techniques as well as improving ensemble playing. Enrollment is limited and decided by an audition which will be held during the last week of March. All Jazz Band students are also enrolled in Concert Band.

Level: N

Grade: 9-12

Prerequisite: Member of Concert Band & Audition

Credit: 1

PA3300 Jazz/Rock Ensemble

This workshop will give students the essential musical elements necessary to play jazz and rock. Significant jazz and rock compositions of the twentieth century will be analyzed, rehearsed, and performed. These skills will help the student learn how to improvise over standards that will be performed during the class. This course will be offered first semester only and is open to any instrumentalist and students must own/rent instrument.

Level: N

Grade: 9-12

Credit: .5



PA2500 Orchestra

The Orchestra is made up of string instrument players, and woodwinds, brass, percussion and keyboard instruments are added as needed. These instrumentalists are chosen from the Concert Band or by audition (any instrumentalist wishing to perform with the orchestra should contact the orchestral director at the beginning of the year). The ensemble performs at BHS concerts, festivals, assemblies. Orchestra literature includes music from the Baroque through 20th century, and an effort is made to discuss the historical and contextual place of the music in rehearsal (that is, the history of the composer and the work, as well as general music history, theory, and also the events occurring at the time of composition). Members will develop their proficiency in performance skills, such as intonation, rhythm and awareness of their role within the ensemble. Sight-reading skills are also discussed. There are frequent opportunities to feature student soloists, chamber music groups, composers and arrangers. There is a placement audition in early September for string and keyboard players. Winds and percussion will be selected from the Concert Band or by audition.

Level: N

Periods Per Week: 4 Z blocks

Grade: 9-12

Prerequisite: Performing proficiency equivalent to Jr. District solos

Credit: 1

Note: Placement of keyboard, wind and percussion players is limited to maintain an appropriate balance with the string section.

PA2700 AP Music Theory

In this course students study the fundamentals of musical structure and composition and study musical trends from a variety of historical periods. The course concentrates on techniques for analysis, ear training, and historical perspectives, and the creative process of musical composition. AP Music Theory is designed for students who need it for career study as well as those who desire it for enrichment. Upon completion of this course, students are prepared to take the AP Music Theory exam offered by the College Board. The prerequisite for this course is a basic knowledge and understanding of music notation. Students who wish to learn to read music are encouraged to take Concert Choir (PA1000) or Piano Class (PA3400) prior to taking AP Music Theory.

Level: AP

Grade: 10-12

Credit: 1

Prerequisites: A basic knowledge and understanding of music notation; Member of BHS instrumental ensemble or permission of instructor

PA2801 Introduction To World Music: West Africa, Eastern Europe And Latin America

In this course students (with and without prior musical experience) will learn drumming from a number of countries, as well as explore, perform and compose music in a variety of styles. We will investigate the cultures from which these musical forms originate, and the music's unique interpretation of melodies and harmony. Students with prior musical experience will be encouraged to perform on their instruments, while all students will have ample opportunity to play on percussion instruments provided by the instructors. Language will be explored as we learn to sing lyrics and interpret their meaning. This course will be offered second semester only. Students in this class will have the opportunity to perform at the Music Department's spring music festival in May.

Level: N

Elective: 9-12

Credit: .5

PA3400 Piano Class

Piano Class is an introductory level class for anyone with or without previous keyboard experience. This course is an introduction to playing the keyboard and learning basic musicianship skills. Ample individual instruction is provided in note reading in both bass and treble clefs, playing technique, general music and keyboard specific vocabulary, and theory. All of these areas are reinforced through a variety of musical selections from a variety of styles from Classical to contemporary. Members of the class have the option of performing at an informal recital at the end of the semester.

Level: N

Grade: 9-12

Credit: .5



DANCE

The Dance Program offers a varied curriculum from beginning to advanced levels. The program includes courses in modern/jazz technique and choreography. All students enrolled in the full year dance classes perform in the annual dance concert, *Progressions*. Students are also encouraged to participate in the student choreography performance, *ReVisions*, which is in January. The classroom facilities include two dance studios. Health and Fitness requirements for grades 10-12 may be satisfied through participation in dance classes as follows:

.75 credit: Performing Arts, .25 credit: Health/Fitness (No substitution may be made for 9th grade Health & Fitness.)

PA3000 Beginning Modern /Jazz

This full year course covers the fundamentals of modern and jazz dance technique. The student will be introduced to a variety of dance styles which may include Latin, tap, African and ballet. This class will also include exploration of movement through improvisation and creative movement problem solving (basic choreography). The origins and development of different dance forms will be integrated into the class work. Students may reelect this course for credit while preparing for Intermediate Modern/Jazz Dance

Level: N

Grade: 9-12

Credit: 1

PA3100 Intermediate Modern/Jazz Dance

This course is a continuation and refinement of the basic skills learned in Beginning Modern/Jazz Dance. An emphasis on a diverse dance vocabulary and performance skills will prepare the student for the spring dance concert, *Progressions*. Students may reelect this course for credit while preparing for Advanced Modern/Jazz Dance.

Level: N

Grade: 9-12

Prerequisite: Beginning Modern/Jazz

Credit: 1

PA3200 Advanced Modern/Jazz

This course is for the student with strong dance technique. It includes work to increase flexibility and strength while developing a broader awareness of the dynamics of movement, spatial relationship and diversity in styles of dance. Students in this class will perform in the spring dance concert, *Progressions*. Students may reelect this course for credit.

Level: N

Grade: 9-12

Prerequisite: Intermediate Modern/Jazz

Credit: 1

PA3600 Choreography

This course teaches students the tools and techniques necessary to expand their movement vocabulary. Through improvisation and problem solving exercises, the students will create movement studies that will eventually be used to choreograph a group dance for the annual dance performance, *Progressions*. A variety of sources for exploring new movement possibilities will be used such as text, music, and props. Work completed in this class will be presented in a March performance called *Feats on the Floor*.

Level: N

Grade: 10-12

Prerequisite: Two years of dance or permission of instructor

Credit: 1

PA3800 Dance: International and Social Dance

The student in this course will learn traditional international folk and social dances from areas such as Africa, Latin America and Cuba. Popular dances of the 20th century, from Latin and swing to Break Dance and Hip-Hop, will also be included. We will study how dances from around the world have shaped and influenced current dance trends.

Level: N

Grade: 9-12

Credit: .5



DRAMA

The Drama Program offers three levels of courses, all of which utilize improvisation as the principal dramatic form for exploration and presentation. In addition, we offer courses in Stagecraft and Play Production. The courses are designed to give students the opportunity to study, through a practical approach, the uses of Drama in its many forms; to develop and foster an understanding in the individual's capacity for communication and expression, and to encourage a greater understanding of the nature and function of Theater. Classroom facilities include the Roberts/Dubbs Auditorium, the Black Box Theater, the White Box rehearsal room, and Scenery Workshop.

PA4000 Drama I

Drama I is an introduction to the nature and use of dramatic activity including consideration of Theater, Literature, "The Play" and life situations mainly through improvisation. The course includes the development of use of the body and speech, particularly in group work related to a thematic approach.

Level: N

Grade: 9-12

Credit: 1

PA4100 Drama II

Drama II is a more advanced application of improvisation in theme exploration. The course includes an emphasis on group work for the development, shaping and presentation of ideas. The importance of critical evaluation of work as well as the relationship between all performing and fine art forms is stressed. A scene study unit and class project will be included.

Level: N

Grade: 10-12

Prerequisite: Drama I

Credit: 1

PA4300 Brookline Educational Theatre Company (BETCo)

BETCo operates as an Arts Production Company that serves the BHS population (and beyond) with educational, informative, and sometimes controversial, always thought-provoking theatre. It is comprised of students who have taken Drama I and Drama II at BHS. The Company will produce at least one piece per quarter dealing with social, political and academic issues relevant to a high school aged population. Each production will be performed at BHS as well as other performance venues in the Greater Boston area. Some additional rehearsal time will be scheduled outside of the regular school day, requiring a flexible time approach from Company members.

Level: N

Grade: 11-12

Prerequisite: Drama II

Credit: 1

PA4400 Backstage: Power Tools and Special Effects

This single semester course is a study, through practical application, of the tools terminology, technology, equipment, devices, and organizational systems of the theatrical stage. In Backstage, students explore the technical aspects of the production process as creative problem solving. Through hands-on application, students work cooperatively with peers and staff to support the technical needs of the BHS Performing Arts Department.

Level: N

Grade: 9-12

Credit: .5

PA4441 Design For The Stage - *Independent Study Only*

Design for the Stage is a more advanced application of the skills and knowledge of technical theatre, focusing more on the creative aspects of show production. This single semester course focuses on the elements of set, lighting, sound and costume design. Design for the Stage may be elected for credit either during or outside of the regular school day.

Level: N

Grade: 9-12

Prerequisite: Permission of the instructor

Credit: .5



PA4501 Drama I-A

This is a one semester accelerated Drama I course involving an introduction to the nature and use of dramatic activity. Included will be consideration of Theater, Literature, "The Play" and life situations mainly through improvisation. The course includes the development of use of the body and speech, particularly in group work related to a thematic approach.

Level: N

Grade: 9-12

Credit: .5

PA4602 Needs *Improvement*

Needs *Improvement* is an advanced drama class. The troupe trains for a year, including a focus on the skills and knowledge of the two main forms of improvisational theater: short form improvisation and long form improvisation. The troupe will learn advanced performance skills, literary criticism and character analysis, and will create three main-stage performances to be performed at BHS during the year.

Level: N

Grade: 9-12

Prerequisite: Audition held in the spring

Credit: 1



SCHOOL WITHIN A SCHOOL

School Within A School is located on the fourth floor of Brookline High School. It has been an alternative, democratic community since 1969 and includes approximately 120 sophomores, juniors, and seniors. Goals for students include taking as much responsibility for their education as possible, sharing decision making in running SWS, and contributing to the building of a community. SWS provides students with opportunities to participate actively in their own education and to develop meaningful relationships with teachers based on mutual respect.

The SWS Town Meeting, the community governmental body, includes all students and the eight SWS staff, each having one vote. SWS Town Meeting meets weekly during F-2 and attendance is mandatory. Town Meeting has dealt with a variety of issues including: admission to SWS, a method for dealing with absences, staffing decisions, grading procedures, social issues, and more. The agenda for Town Meeting is decided by an Agenda Committee made up of a staff member and five students who take turns chairing the meeting. A number of committees carry out decisions made by Town Meeting and plan activities throughout the year.

SWS is distinguished from the main school by its smaller size, democratic structure, emphasis on the relationship between teachers and students, and its course offerings. Usually students take half their course load in SWS and half in the main school. Each semester, students must take an SWS English course, another SWS course, and SWS Town Meeting, unless they receive a waiver from the SWS Coordinator. SWS classes are demanding in course content, and in the level of participation and independent work required. Some SWS courses may be taken for standard or honor credit, while the English courses are all taken for honor credit. These English courses are mixed grade levels and draw students from a wide range of ability levels. Students are expected to work collaboratively to help each other achieve their best.

The staff for SWS consists of eight people: a social studies teacher, a coordinator/counselor, a secretary, a chemistry teacher, a biology teacher, and three English teachers, one of whom is also a special education teacher.

Entrance to SWS is open to students in grades 10-12 and must have parent, counselor, and Dean endorsement. Usually more people want to join SWS than can be accommodated. During second semester of the year preceding the time an interested student wishes to join, the student signs up to visit SWS classes and Town Meeting and talks with current SWS staff and students, in order to determine if SWS is the right place for him or her. Admission to SWS is based on a lottery, the criteria of which are developed by the SWS Town Meeting. SWS has an affirmative action policy to ensure representation of ethnic, racial, and socio-economic groups align with the mainstream.

SWS policies and practices change according to the decisions of SWS Town Meeting. Please check with the SWS Coordinator in Room 400 to be sure that the information in this catalog is still correct.

SWS COURSES

It is important that the courses offered in SWS meet the needs of the students in SWS. Each fall, many new students enter SWS to replace those who have graduated. There is no way to anticipate who those students are or what their needs might be. Therefore, it is possible that some new courses not listed here will be created or that listed courses will not be offered.

Any non-SWS student who wants to enter an SWS course must receive permission from the teacher and coordinator. Such classes are open on a space available basis and students on the SWS waiting list have priority. SWS English classes are open to SWS students only.



SWS ENGLISH

SWS selects its English classes for each year during the spring before the classes are taught, after all students have been admitted. Students help decide on the courses at a special curriculum meeting. The courses described below are a sample of past and current courses, not necessarily the actual courses for next year. The courses are listed every year in the BHS master schedule.

SW1100 Creative Writing Honor

This course requires a serious commitment to writing, drafting, and improving based on feedback. We will focus on writing short stories in the first quarter while we develop our skills in creating authentic characters, using dialogue, describing setting, and using conflict as a narrative tool.

During the second semester we will focus on various forms of poetry: Slam/spoken word, free verse, haiku, villanelle, and sonnet. As a final project students are asked to significantly revise a piece from the course and make it public either by performing it publicly, sending it out for publication, creating your own literary zine, comic book, or any other ideas students may have.

Level: H

Grade: 10-12

Credit: .5

SW1000 Contemporary Literature Honor

This course will focus on exploring the tools we use to construct identity. Possible authors are: Morrison, Gardner, Devere-Smith, Burgess, Lahiri. We will write expository and creative responses to this literature and write one long piece of creative non-fiction detailing our own identity formation.

Level: H

Grade: 10-12

Credit: .5

SW1302 Creative Non-Fiction Writing Honor

“It came into him (the writer) life, it went out from him truth.” In this course, we will explore various techniques for creating nonfiction works that are vivid, memorable, and persuasive. We will study published essays, poems and arguments as models and inspiration for our own work. We will keep free writing journals and experiment with different genres of nonfiction writing-memoir, character portrait, editorial, satire/social commentary. We will study how to convey what is extraordinary about the ordinary, the common, or the minute aspects of our lives. We might interview people about their job and follow them at work. The class will be run like a workshop; people will share their work and give advice to others.

Level: H

Grade: 10-12

Credit: .5

SW1400 Identity, Race and Literature Honor

When did you first become conscious of race? Where were you? In school? In your home? In your neighborhood? Not in your neighborhood? How did you talk to your family about it? To your friends? To people of a different race? For most of us, conversations about race are hard. In this class, we will create a climate and a culture where we can talk honestly and fearlessly about race so that we learn what we think and how others think and why. We will read memoirs, novels and analytical works and study videos as we stretch to understand the way race allows, encourages, restricts and enhances our identity. We will write frequently about our experiences and about those different from us. Works might include *Caucasia*, “*Why are all the Black kids sitting together in the cafeteria?*” Videos might include “True Colors” and “Skin Deep.”

Level: H

Grade: 10-12

Credit: .5

SW1500 Individuals and Institutions Honor

What does it mean to be an individual? How do individuals cope with oppressive institutions? What kind of institutions liberate individuals? These are some of the questions we will pursue in writing about personal experiences and reading such books as *One Day in the Life of Ivan Denisovitch*, *Summerhill*, and *The Women of Brewster Place*. We will take field trips and write from observation.

Level: H

Grade: 10-12

Credit: .5

SW1300 Humanities in Literature Honor

We'll engage in an intensive study of literature, film, philosophy/aesthetics, and the visual arts (though the course will anchor itself in the novels and films). By comparing works in different mediums (including works that attempt to speak to or adapt other works), we will explore the nature, strengths and limitations of the various artistic forms. As critics and readers, we will examine persistently our own perceptions of and assumptions about what makes something art (or not), and what makes it good (or not). Some possible works and pairings: Kafka's *The Metamorphosis* with Nichols' *The Graduate*, Berger's *Ways of Seeing* with art case studies and a Fogg Museum trip, Hesse's *Siddhartha* with Wenders' *Wings of Desire*, DuMaurier's story “The Birds” with the Hitchcock film, Kosinski's *Being There* with the film adaptation, Shelley's *Frankenstein* with two films versions and expressionist (and impressionist) painting.

Level: H

Grade: 10-12

Credit: .5



SW1402 Philosophy in Literature Honor

This is a course about searching for meaning, balance and joy. We will start by reflecting how and why we make meaning. We will read books that explore philosophical ideas about meaning, excerpts from *Walden*, and novels set in other countries such as Tolstoy's *The Death of Ivan Illych*, Lao Tsu's *The Tao* and Kundera's *The Unbearable Lightness of Being*, Saramago's *Blindness*. In the end, we will use the novels to help us reflect on making meaning from our lives.

Level: H

Grade: 10-12

Credit: .5

SW1600 Spirituality in Literature Honor

What are spiritual journeys and how are they played out in literature? How can the journey construct be helpful in looking at literature and our lives? When do the ideas of "spiritual" and "religious" converge, and where is there tension between the two? Are there features that are common to all spiritual journeys? How important are things like intention, detours, and difficulties along the way? Why is it that contemplation and meditation seem to feature prominently in so many spiritual texts and literature? How do various characters (whether Luke Skywalker in *Star Wars* or Ghandi or Dorothy in the *Wizard of Oz*...) evolve and come to "see the light" and what does that mean for each? Although we may look at primary texts like *The Tao Te Ching*, *The Bhagavad Gita*, and *The Bible*, we will focus on the spiritual journey as played out in literature and lives. We will draw on theorists and wise people—including Joseph Campbell, Victor Frankl, Pema Chodron, and Elie Wiesel—to help us frame our questions and interact with the literature and our own writing and experiences. *Some works may include: Siddhartha* (Hesse), *Man's Search for Meaning* (Frankl), *Beggar in Jerusalem* (Wiesel), *When Things Fall Apart* (Chodron), *The Lone Ranger and Tonto Fistfight in Heaven* (Alexie), *Their Eyes Were Watching God* (Hurston), *A Celestial Omnibus: Short Stories on Faith*, *The Wizard of Oz* and poems, short stories, films, etc...

Level: H

Grade: 10-12

Credit: .5

SW1502 Childhood and Memory in Literature Honor

This class is essentially based around the following notion: Memory Has Its Own Story To Tell. How does the memory of childhood speak through the adult? Why is memoir not dubbed simply "autobiography"? This course will examine the various ways that childhood and memory operate within literature and upon each other. We may also look at archetypes like the child savior, the wise child, and the hero's journey. We'll look at hindsight and insight in the case of adult narrators looking back, and at the unique perspective of the child narrator. Class members will write two polished memoir pieces as well as many other expository and creative pieces. Works include (but are not limited to): Tobias Wolff's *This Boy's Life*, Geoffrey Wolff *Duke of Deception*, Elie Wiesel *The Forgotten*, Elie Wiesel *Beggar in Jerusalem*, Russell Baker *Growing Up*, *Breaking Away*, Dillard's *An American Childhood?* A packet will include: Wiesel's Nobel acceptance speech, excerpts from interviews, reviews, *Lying* (Slater), *Naked* (Sedaris), as well as several short stories and poems.

Level: H

Grade: 10-12

Credit: .5

SW1900 Dark Literature Honor

In this course we will be looking at what scares us. We will examine specifically the darker side of psychology, varying definitions of evil, and the human fascination with the macabre. Literature would include: *Frankenstein*, *Dracula*, *The Stranger*, *Othello*, *Interview with a Vampire* and Poe short stories. Movies would include an Alfred Hitchcock film, excerpts from "Buffy the Vampire Slayer", and "The Shining".

Level: H

Grade: 10-12

Credit: .5

SW1202 Literature of War Honor

In this course we try to answer the following questions: What is war? What experience have you or someone in your family had with war? What do you believe about a "just war"? What constitutes a "just" war? What rules are applicable to living in a war? What rules are applicable to fighting a war? How conscious are you of the war in Iraq? Has it made an impact on how you think about the world? Is it close to you, real to you, something you think about every day? Often? Never? How might fighting in a war change how you think about yourself, the world? What kind of language do we use to talk about war? What happens to the self in war? Literature will include: *The Time of the Hero*, *All Quiet on the Western Front*, *Slaughter House 5*, *The Things They Carried*, *The Long Way Home*, and *Lone Survivor*.

Level: H

Grade: 10-12

Credit: .5



SW1002 Feminism in Literature Honor

In this course we will explore gender theory, feminist criticism, and works by women who laid the groundwork for feminism or who consider themselves to be feminists. We will look at how female sex turns into social gender and the factors that have historically constrained or allowed women to have more agency. By reading theory, fairy tales, mythology, fiction, and non-fiction, we will examine the implicit messages they transmit about a woman's conduct, role, or future. We will also look at how women's writing has shaped other women's writing. For example, what was it like for Emily Dickinson to read *Jane Eyre*? By reading from works by Betty Friedan, Gayle Rubin, Judith Butler, Judith Halberstam, Angela Davis, Carol Gilligan, and Virginia Woolf's *A Room of One's Own*, in addition to *The Handmaid's Tale* and *Jane Eyre*, the objective is to gain an understanding of Feminism, Feminist Critical Theory, and key Feminist Texts while working on critical reading and writing skills.

Level: H

Grade: 10-12

Credit: .5

SW2400 Literature of Love Honor

Love, in all its wonder and complication, has inspired artists from ancient times to the present. But how has this art inspired our cultural and individual thinking about love? In this course, we will explore the changing trends in relationship behavior from Plato's Greece to the British medieval court to Austen's sitting rooms and finally to our IM and MySpace modern age. This course is designed to get you thinking about how our modern conceptions of love have been shaped, while it exposes you to a wide range of styles in literature. Literature includes: *Love in the Time of Cholera*, *Much Ado About Nothing*, *Pride and Prejudice*, *Bullfinch's Mythology*, and critical analysis of several fairy tales. The class will also explore love poetry by: Eliot, Shakespeare, Marlowe, Petrarch, Spenser, Sidney, Donne, Wyatt, The Brownings, Rosetti, Moore, Wordsworth, Longfellow, Dickinson, Sexton, Rich, Teasdale, and Kumin.

Level: H

Grade: 10-12

Credit: .5

SWS Science

SC2026/SC2036 SWS Chemistry I - LBC

SWS Chemistry I - LBC is a student-centered, year-long chemistry curriculum. This course teaches fundamental chemical concepts around themes such as alchemy, weather and toxins. Chemistry topics covered include periodicity, solutions, chemical equations, Stoichiometry, gases, bonding, states of matter and nuclear chemistry. Learning happens primarily through collaborative exploratory-activities and lab work. Students who elect this course for honors credit will be expected to demonstrate strong mathematical ability, self-motivation and academic independence, and should consider taking the SAT Subject Test in Chemistry. The curriculum is based on the "Living by Chemistry" modules developed by U. C. Berkeley and supplemented with material from the traditional chemistry curriculum. Students enrolled in the SWS program are given priority in scheduling for this course. Other students will be scheduled for this course if there is room available.

Level: S or H

Grade: 10

Prerequisites: Physics I and Algebra I

Credit: 1

SC2100 SWS Chemistry I Honor

SWS Chemistry deals with the structure of matter, its properties, and changes in properties as a result of chemical reactions. Emphasis is placed on the physical world involving atomic theory, energy relationships, and chemical reactions. Laboratory work involves first-hand experiences in the use of chemical equipment and materials in the development of manipulative skills in order to conduct chemical investigations using observation and accumulative data to arrive at conclusions. Laboratory work with written reports is a significant part of this course. Students enrolled in the SWS program are given priority in scheduling for this course. Other students will be scheduled for this course if there is room available.

Level: H

Grade: 10

Prerequisites: Physics I and Intro to Algebra II. Credit: 1

(It is recommended that Algebra II or Pre-Calculus Honor be taken concurrently)

SC3031 SWS Biology I Honor

SWS Biology I Honor has a structure and content similar to that of Biology I. However, it is a more rigorous course that goes into greater depth and requires more abstract thinking. This course prepares students for further studies in Biology. Biology I Honor is recommended for students who plan to take the SAT Subject Test in Molecular Biology.

Level: H

Grade: 10-11

Prerequisites: Physics I and Chemistry IH or LBC Honor (may be taken concurrently)

Credit: 1



SWS MATHEMATICS

SW5230 SWS Algebra and Trig Honor

The subject matter is similar to the corresponding course in the main school. Please refer to the Math Department section of this catalog for a description of the content. There is an extra emphasis on continuing the community building present throughout the SWS program, empowering students to help lead the class, encouraging collaboration, and promoting responsible and enthusiastic engagement with the learning process.

Level: H

Grade: 10 -11

Credit: 1

SW5320 SWS Precalculus

The subject matter is similar to the corresponding course in the main school. Please refer to the Math Department section of this catalog for a description of the content. There is an extra emphasis on continuing the community building present throughout the SWS program, empowering students to help lead the class, encouraging collaboration, and promoting responsible and enthusiastic engagement with the learning process.

Level: N

Grade: 11-12

Prerequisite: SW5230 or equivalent

Credit: 1

SW5330 SWS Precalculus Honor

The subject matter is similar to the corresponding course in the main school. Please refer to the Math Department section of this catalog for a description of the content. There is an extra emphasis on continuing the community building present throughout the SWS program, empowering students to help lead the class, encouraging collaboration, and promoting responsible and enthusiastic engagement with the learning process.

Level: H

Grade: 11-12

Prerequisite: SW5230 or equivalent

Credit: 1

SW5430 SWS Calculus Honor

The subject matter is similar to the corresponding course in the main school. Please refer to the Math Department section of this catalog for a description of the content. There is an extra emphasis on continuing the community building present throughout the SWS program, empowering students to help lead the class, encouraging collaboration, and promoting responsible and enthusiastic engagement with the learning process.

Level: H

Grade: 12

Prerequisite: SW5330 or equivalent

Credit: 1

SWS SOCIAL STUDIES

SWS Social Studies students are encouraged to discuss and decide upon class policies as well as curricular offerings. Students who enter SWS Social Studies should bring ideas about how they think classes should be organized and what topics should be examined. They should also be committed to democratic classroom structures and to an appraisal of alternate interpretations and visions of history.

In all classes students are expected to sustain discussions and to learn from each other and not just from the teacher. Discussions focus on historical and philosophical issues and often tend to be open-ended and abstract. The social studies program of SWS includes courses in World History, U. S. History, Philosophy, Contemporary US History and an Education Seminar. Ideally an SWS student should take at least one year of SWS social studies.

SW4020 World History: The Modern Era (1500 to The Present)

This course is a continuation of World History: the Pre-modern Era, which most students have taken in the ninth grade. The SWS course is similar in scope and sequence to the tenth grade course offered in the main school. There will be an emphasis on classroom discussion, sharing of work, reading primary sources, and viewing the art of the cultures we will be studying.

Level: N

Grade: 10

Credit: 1



SW4030 World History H: The Modern Era (1500 to The Present)

See description of course SW4020. This course meets in conjunction with the non-leveled course (SW4020). Honor students may be expected to read and discuss more difficult material, write more essays and complete more research papers.

Level: H

Grade: 10

Credit: 1

SW4120 SWS U. S. History

This survey course of United States history is designed to give students a broad understanding of the past of our nation and an exposure to differing viewpoints of historical interpretation. Howard Zinn's *A People's History of the United States* is used in conjunction with a "traditional" textbook. The organization of the course is chronological. The first term covers topics up to the Civil War. The second term deals with the modern world, particularly industrialization.

Level: N

Grade: 11

Prerequisite: Sophomore Social Studies course

Credit: 1

SW4130 SWS U. S. History Honor

See description for SW4120. Depending on student needs and enrollment, U. S. History Honor may meet in conjunction with the non-leveled section. Honor students may be expected to read and discuss more difficult material, write more essays, and complete more research papers. History achievement test preparation is available to students who desire it.

Level: H

Grade: 11

Prerequisite: Sophomore Social Studies

Credit: 1

SW4231 Philosophy: Honor

This course investigates the thought of major philosophers and their relevance to our daily lives. Some of the issues treated include: what is human nature? What are the needs of individuals and society? How do social theories both reflect and shape culture and history. We examine these questions in the writings of Plato, Machiavelli, Rousseau, Marx, Freud, and the existentialists.

Level: H

Grade: 12

Credit: .5

SW4322 Contemporary U. S. History

This course examines the period from World War II to the present. Through discussions, simulations, speakers, films, videos, and reading and writing experiences, students study the social transformations and critical events of the last five decades: The Cold War, the Arms Race, McCarthyism, JFK, the Civil Rights Movement, the Women's Rights Movement, Vietnam Era, Mass Culture and Counterculture, Watergate, Multinational Corporations, 3rd World Development, the conservative counter-revolution and the U. S. role in the world today.

Level: N

Grade: 11-12

Credit: .5

SW4332 Contemporary U. S. History Honor

See description for SW4322. This course meets in conjunction with the non-leveled course. See course SW4130 for description of honors level expectations.

Level: H

Grade: 11-12

Credit: .5

SW4401/SW4402 SWS Topics in Social Studies

Through this course, an individual or a small group of students will work with a teacher in areas of special interest.

Level: N/H

Periods per week: (Hours and times to be arranged)

Grade: 11-12 Credit: TBD



SW4331 SWS Education Seminar H

First quarter we will explore large issues in American education, a complex, evolving and dynamic subject. What makes a good teacher? What defines a good school? The first quarter will focus on fundamentals of education, exploring public schools funding, inequality between schools, standards and assessments and other issues. We will read historical materials.

Second quarter we will write a paper that identifies and supports what students believe to be the purpose of education. The remainder of the quarter will be spent on two research projects and a model school project. Students will research something of interest to them within

Brookline High School and then observe another school in order to compare and contrast. Finally, students will construct a model school based on their own purpose of education and what they believe to be important.

Level: H

Grade: 12

Credit: .5

OTHER COURSES

SW5001/SW5002 SWS Enrichment

This course gives students the opportunity to receive credit for individual projects or seminars in a chosen area. The area of work must be approved by the teacher in charge of enrichment. Seminars may be taught by students as well as by teachers, parents, or members of the community. Most events for enrichment credit occur after school hours. Some examples of past seminars are: Music Making, Fuller Feeling, China Studies, Yoga, and Meditation. Enrichment may be counted for Time and Learning hours.

Level: N/H

Periods per week: (Hours and times to be arranged)

Grade: 11-12 Credit: TBD

SW6000 SWS Town Meeting and Committees

At the heart of SWS is the **Town Meeting** which is a governing body. Students and staff meet together each F2 block to discuss mutual concerns and make policy decisions about the education and administration of SWS. Each F4 or T-block, some SWS students and staff meet in committees for a variety of purposes. **These two meetings are required for all SWS students and staff.** A pass or fail is recorded on report cards for Town Meeting attendance.

Level: N

Periods per week: 2

All students and staff

Credit: N

SW7001/SW7002 Current Events Seminar

This Group Will Meet Twice Weekly On Thursday And Friday F Blocks With A Social Studies Teacher To Discuss Current Events.

Level: N

Periods per week: 2

Grade: 10-12 Credit: .25



SCIENCE

The Science Department is committed to serving all Brookline High School students by presenting a well-rounded, sequential and content-rich program in a stimulating and challenging manner. Each course is designed with the purpose of having students learn more about the physical world in which they live. Skills involving observation, critical thinking, effective verbal and written communication, manipulation of equipment, and applying technology are woven throughout the curricular fabric of the Science Program. The Science Department offers a wide range of courses in the basic disciplines at various levels, such as ELL Physics, ELL Chemistry, ELL Biology, Special Education offerings such as Applied Science I, II, and III, as well as all Advanced Placement Science courses. In addition to this, students may take specialized 2nd year courses from Anatomy & Physiology to Science Seminar-Current Topics, and everything in between as seen below.

The **Physics – Chemistry – Biology - 2nd Year Elective** sequence represents the recommended order of courses. These courses build on each other in content, and they progress in the degree of abstraction. However, a different sequence may be appropriate in certain cases. All requests for exceptions to course prerequisites will be subject to approval by the Science Curriculum Coordinator.

Physics Courses

Physics I
Physics I H
Physics I (11th/12th)
Physics I H (11th/12th)

Chemistry Courses

Chemistry I
Chemistry I – LBC
Chemistry I H
SWS Chemistry I – LBC
SWS Chemistry I H

Biology Courses

Biology I
Biology I - BSCS Conceptual Biology
Biology I H

2nd Year Electives

Physics II H
AP Physics - B
AP Physics - C
Chemistry II H
AP Chemistry
Biology II H
AP Biology
AP Environmental Science
Anatomy & Physiology
Astronomy
History of Scientific Thought
Science Seminar-Current Topics
Engineering by Design H
Body/Mind H
Genetics
Forensics Science
Marine Biology
Meteorology

Each full year course carries one credit. Although Brookline High School requires students to pass three credits in Science in order to graduate, many students take four or more Science courses. All courses include a laboratory component and meet for four periods per week, except for some 2nd year electives that meet for more.



PHYSICS

SC1020 Physics I (9th/10th Grade)

This course is designed to present topics in mechanics, electricity, magnetism, waves, and optics. It will be taught using a concept-based approach while simultaneously integrating the student's mathematical background in order to develop a meaningful physics foundation. The program will be supported by an interactive laboratory environment where students will gain hands-on experience with the concepts being studied.

Level: S

Grade: 9-10

Credit: 1

SC1030 Physics I Honor (9th/10th Grade)

Physics I Honor has a structure and content similar to that of Physics I. However, it is a more rigorous course that goes into greater depth and requires more abstract thinking supported by mathematical problem-solving skills. It is designed for the student desiring a stronger physics background and preparing to take subsequent physics courses in the 12th grade.

Level: H

Grade: 9-10

Credit: 1

(It Is Recommended That Geometry H Or Geometry/Algebra II Adv Be Taken Concurrently)

SC3120 Physics I (11th/12th Grade)

Physics I is a first-year physics course for 11th and 12th grade students. This program is designed to provide classroom and laboratory experience in Newtonian mechanics, electricity, magnetism, light, and atomic physics. A solid conceptual foundation and approach will be emphasized.

Level: S

Grade: 11-12

Prerequisite: Geometry and Algebra I are recommended

Credit: 1

SC3130 Physics I Honor (11th/12th Grade)

Physics I Honor is an intensive first-year physics course for 11th and 12th grade students. It is designed to provide classroom and laboratory experience in Newtonian mechanics, electricity, magnetism, optics, and modern physics. Independent, abstract thinking, along with the application of mathematics to physical phenomena, will be stressed.

Level: H

Grade: 11-12

Prerequisite: Success in Honor Math in previous years.

Credit: 1

(It is recommended that Honor Math be taken concurrently)

SC4130 Physics II Honor

Physics II Honor is a second year physics course designed for students with a strong interest in physics theory and its application. The first semester is devoted to classical mechanics. The second semester concentrates on classical electricity and magnetism.

Level: H

Grade: 12

Prerequisites: Physics I, Chemistry I, and Biology I.

Credit: 1

(It is recommended that Honor Math be taken concurrently)

SC4140 Advanced Placement Physics - B

AP Physics B is a course that provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving abilities. It includes a broad range of topics in both classical and modern physics, and is intended to provide a foundation for students interested in studying physics as a basis for work in the life sciences, medicine, geology, or as a component in a non-science college program with science requirements. AP Physics B prepares students for the national AP Physics B examination, covering topics in Newtonian mechanics, electricity, magnetism, thermal physics, waves, optics, and atomic and nuclear physics. Students are expected to take this AP Examination. A knowledge of algebra and trigonometry is required.

Level: AP

Periods per week: 6

Grade: 12

Prerequisites: Physics IH w/strong performance, Chemistry I, and Biology I.

Credit: 1

(It is recommended that Honor or AP Math be taken concurrently)



SC4141 Advanced Placement Physics - C

AP Physics C is a course that represents the first two semesters of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The first half of the year is devoted to classical mechanics. The second half of the year primarily concentrates on classical electricity and magnetism. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. This course prepares students for the national AP Physics C examination which is administered in two parts. One part of the AP Physics C examination covers Newtonian mechanics. The other part covers electricity and magnetism. Students are expected to take both parts of this AP Examination. Separate grades are reported for the two areas.

Level: AP
Periods per week: 6
Grade: 12
Prerequisites: Physics IH w/strong performance, Chemistry I, and Biology I and
Credit: 1
Calculus AB or BC must be taken concurrently.

SC6100 ELL Physics

This content-based ELL class is designed to present topics in mechanics, electricity, magnetism, waves, and optics. It will be taught using a concept-based approach while simultaneously integrating the student's mathematical background in order to develop a meaningful physics foundation. An interactive laboratory environment will support the program where students will gain hands-on experience with the concepts being studied.

Level: N
Grade: 9-12
Prerequisite: By permission of the Science and/or ELL Coordinator(s)
Credit: 1

CHEMISTRY

SC2020 Chemistry I

Chemistry I deals with the structure of matter, its properties, and changes in its properties as a result of chemical reactions. Emphasis is placed on the physical world involving atomic theory, energy relationships, and chemical reactions. Laboratory work involves first-hand experiences in the use of chemical equipment and materials and the development of manipulative skills in order to conduct chemical investigations using observation and accumulated data to arrive at conclusions.

Level: S
Grade: 10
Prerequisites: Physics I
Credit: 1

SC2025/ SC2035 Chemistry I – LBC

Chemistry I - LBC is a student-centered, yearlong chemistry curriculum. This course teaches fundamental chemical concepts around themes such as alchemy, weather and toxins. Chemistry topics covered include periodicity, solutions, chemical equations, Stoichiometry, gases, bonding, states of matter and nuclear chemistry. Learning happens primarily through collaborative exploratory-activities and lab work. Students who elect this course for honors credit will be expected to demonstrate strong mathematical ability, self-motivation and academic independence. The curriculum is based on the "Living by Chemistry" modules developed by U. C. Berkeley and supplemented with material from the traditional chemistry curriculum.

Level: S or H
Grade: 10
Prerequisites: Physics I and Algebra 1
Credit: 1
(It is recommended that Intro Algebra II and Trig, or Advanced Math be taken concurrently)

SC2030 Chemistry I Honor

Chemistry I Honor is a rigorous, semi-mathematically oriented treatment of the physical world of matter, emphasizing its interactions with energy and the logical evolution of theories concerning both matter and energy. The course stresses the systematic relationship of the major topics. The laboratory work stresses observation, proper and safe techniques, logical data interpretation, and systematic acquisition of laboratory skills.

Level: H
Grade: 10
Prerequisite: Physics I or I Honor
Credit: 1
(It is recommended that Honor or Advanced Math be taken concurrently)



SC2026/ SC2036 SWS Chemistry I – LBC

SWS Chemistry I - LBC is a student-centered, yearlong chemistry curriculum based on the Chemistry I - LBC course. Students who elect this course for honors credit will be expected to demonstrate strong mathematical ability, self-motivation and academic independence. The curriculum is based on the “Living by Chemistry” modules developed by U. C. Berkeley and supplemented with material from the traditional chemistry curriculum. Students enrolled in the SWS program are given priority in scheduling for this course. Other students will be scheduled for this course if there is room available.

Level: S or H

Grade: 10

Prerequisites: Physics I and Algebra I

Credit: 1

SC2037 SWS Chemistry I Honor

SWS Chemistry deals with the structure of matter, its properties, and changes in properties as a result of chemical reactions. Emphasis is placed on the physical world involving atomic theory, energy relationships, and chemical reactions. Laboratory work involves first-hand experiences in the use of chemical equipment and materials in the development of manipulative skills in order to conduct chemical investigations using observation and accumulative data to arrive at conclusions. Laboratory work with written reports is a significant part of this course. Students enrolled in the SWS program are given priority in scheduling for this course. Other students will be scheduled for this course if there is room available.

Level: H

Grade: 10

Prerequisites: Physics I and Intro to Algebra II.

Credit: 1

(It is recommended that Algebra II or Pre-Calculus Honor be taken concurrently)

SC2130 Chemistry II Honor

Chemistry II Honor is a second year chemistry course designed to further prepare students for college chemistry. College chemistry is a required course for pre-medical students, nursing students, and all basic science majors. Chemistry II Honor will provide a substantial lab component, including several lab practicals and an extensive research assignment. In addition to organic and biological chemistry, this course will deal with environmental issues such as nuclear energy, water and air pollution. Application of chemistry to these and other practical problems will be emphasized.

Level: H

Grade: 12

Prerequisites: Physics I, Chemistry I w/strong performance, Biology I.

Credit: 1

SC4240 Advanced Placement Chemistry

AP Chemistry is equivalent to two semesters of a college level inorganic chemistry course. This course stresses quantitative reasoning, a comprehensive laboratory program and covers the basic chemical topics leading to the AP Examination in May. Students are expected to have a strong, self-motivated approach to their studies. The workload is commensurate with college level chemistry. All students are expected to take the AP Examination.

Level: AP

Periods per week: 6

Grade: 12

Prerequisites: Physics I, Chemistry IH w/strong performance, Biology I.

Credit: 1

It is recommended that Honor or AP math be taken concurrently.

SC6200 ELL Chemistry

This content-based ELL class deals with the structure of matter, its properties, and changes in its properties as a result of chemical reactions. Emphasis is placed on the physical world involving atomic theory, energy relationships, and chemical reactions. Laboratory work involves first-hand experiences in the use of chemical equipment and materials and the development of manipulative skills in order to conduct chemical investigations using observation and accumulated data to arrive at conclusions.

Level: N

Grade: 9-12

Prerequisite: By permission of the Science and/or ELL Coordinator(s)

Credit: 1



BIOLOGY

SC3025/ SC3035 Biology I - BSCS Conceptual Biology

BSCS Conceptual Biology is a nationally recognized program developed by the Biological Sciences Curriculum Study (BSCS). It is a first year college preparatory lab course that engages students through a human perspective. This course organizes content around unifying biological principles, and is taught through hands-on activities, laboratories, and inquiry. Emphasis is on the major concepts of biology: Evolution - Homeostasis - Energy, Matter, & Organization - Continuity & Development - Ecology. Opportunities are provided for students to conduct investigations and make connections between biological concepts and their own life experiences. This course is designed with a strong focus on group work, discussion, writing, activities, and projects. During the first two weeks of class, students may elect to take this course for Honor credit with the approval of a parent/guardian, guidance counselor, and previous science teacher. All students will be held to high academic standards. Students studying at the Honor level will be expected to regularly complete additional assignments.

Level: S or H

Grade: 11

Prerequisite: Physics I and Chemistry I (may be taken concurrently).

Credit: 1

SC3020 Biology I

Biology I is a college preparatory course that encompasses the study of the structure of organisms and how they function. Major topics of this course include the nature of science, biochemistry, cell biology, heredity, evolution, and ecology. Body systems are integrated throughout the curriculum. The course includes a range of perspectives about our living world: it delves into both molecular biology and the interactions of organisms in their environment. This course is designed with a strong focus on interactive lectures, note-taking, laboratory exercises, and classroom discussions with applications to everyday life experiences.

Level: S

Grade: 11

Prerequisite: Physics I

Credit: 1

SC3030 Biology I Honor

Biology I Honor has a structure and content similar to that of Biology I. However, it is a more rigorous course that goes into greater depth and requires more abstract thinking. This course prepares students for further studies in Biology. Biology I Honor is recommended for students who plan to take the SAT Subject Test in Molecular Biology.

Level: H

Grade: 11

Prerequisites: Physics I and Chemistry IH or LBC Honor (may be taken concurrently)

Credit: 1

SC4320/ SC4330 Anatomy and Physiology

This second year biology program is a survey course which concentrates on mammalian anatomy and physiology. All vertebrate systems are covered on both a gross anatomy level and a microscopic anatomy level. The laboratory curriculum involves histology and organ dissections along with assorted laboratory experiences in physiology. Guest lecturers from the medical field will supplement the curriculum. Honors credit is given with the completion of additional assignments.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I(Physics I - 11/12 may be taken concurrently)

Credit: 1

SC4430 Biology II Honor

This second year honor level course is designed for students who wish to continue their study of biology beyond Biology I, and on to selected topics in advanced Biology. Using a laboratory-oriented environment, the program is structured so that the student may pursue in-depth studies of several areas in biology that are currently under much investigation: animal behavior, ecology, infectious diseases and molecular genetics. Labs are designed to provide the students with a substantial amount of instruction at the beginning of the course while gradually increasing its open-ended aspect as the year progresses. By the end of the course, each student will be designing and carrying out his/her own independent experiment. Many assignments are given over a long term and will require extensive and accurate data gathering, enabling the student to write his/her experiment in the form of a scientific paper.

Level: H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I(Physics I - 11/12 may be taken concurrently)

Credit: 1



SC4440 Advanced Placement Biology

AP Biology is equivalent to a two-semester college introductory biology course usually taken by biology majors during their first year of college. All of the major concepts of biology are covered in depth, with a significant portion of time devoted to a wide variety of laboratory exercises. It is necessary for students to have a strong first-year biology background, along with a self-motivated and rigorous approach to their studies. The workload is commensurate with college level biology. All students are expected to take the AP Examination.

Level: AP Periods per week: 6 Grade: 12
Prerequisites: Chemistry I, Physics I, Biology IH w/strong performance. Credit: 1
(*Physics I - 11/12 may be taken concurrently*)

SC6300 ELL Biology

This content-based ELL class encompasses the study of the structure of organisms and how they function. This course organizes content around unifying biological principles, and is taught through hands-on activities, laboratories, and inquiry. The course includes a range of perspectives about our living world: it delves into both molecular biology and the interactions of organisms in their environment. Emphasis is on the major concepts of biology: The nature of science, biochemistry, cell biology, heredity, evolution, and ecology. Body systems are integrated throughout the curriculum. Opportunities are provided for students to conduct investigations and make connections between biological concepts and their own life experiences. This course is designed with a strong focus on interactive lectures, note-taking, laboratory exercises, and classroom discussions with applications to everyday life experiences.

Level: N Grade: 9-12
Prerequisite: By permission of the Science and/or ELL Coordinator(s) Credit: 1

OTHER SCIENCE OPTION CLASSES

SC5020/ SC5030 Astronomy

Astronomy is a full year laboratory science course that examines the natural events that occur in the Universe, Galaxies, and the System. Constellations, the history and future of space flight and exploration, and recent discoveries will be studied. The course will review pertinent science topics from prior science courses, and serve as a capstone for Physics, Chemistry, and even some Biology. Honors credit is given with the completion of additional assignments.

Level: N or H Grade: 12
Prerequisites: Physics I, Chemistry I, Biology I Credit: 1

SC5130 Body/Mind Honor

This course explores the relationship between mind and body through the findings of current scientific research and practical experience. Among the wide variety of body/mind topics are the connection between stress and disease, the relationship between the brain and behavior, Eastern Medicine, the placebo effect, and emotional intelligence. Students will practice body/mind methods including yoga, meditation, acupuncture, and guided imagery. The primary course outcomes reported by students are greater confidence, a healthier life style, an open mind, a sense of community in class, increased body awareness, and the ability to use that awareness to improve physical and mental well-being.

The format for Body/Mind changes throughout the year. The first semester is like most other science courses. Classes take place primarily in a science classroom and include lectures, reading assignments, papers, quizzes and tests. The academic final takes place at midyear. A student must pass the first semester to receive credit for the course. The second semester takes place mostly in the wrestling room where the emphasis shifts to practicing body/mind methods, including several systems of meditation, movement and touch.

Level: H Grade: 12
Prerequisite: Biology I Honor Credit: 1



SC5220/ SC5230 History of Scientific Thought

In this course students will study the historical development of scientific thought from ancient times to the present. Employing a seminar style format, students will reconstruct scientific knowledge through primary readings and the re-creation of experiments. Students are responsible for daily readings that serve as the basis for classroom discussions. Throughout the units, students will select topics to investigate and research and will then present their findings to the class. In addition, there will be activities and labs that simulate the time, environment, and ideas of a particular period in scientific development. Students will be evaluated through class discussion, reading, quizzes, essay writings, and presentations. This course will best serve the learner who enjoys independent thought and work. Honors credit is given with the completion of additional assignments.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I

Credit: 1

SC5320/ SC5330 Science Seminar - Current Topics

This elective course is an integration and application of three years of science study in physics, biology and chemistry. Through a seminar-style format, students will be encouraged to examine their basic assumptions about science, and will investigate the interplay between science and society. The course will revolve around current topics in science as they arise in the media. It will include themes that are at the forefront of today's society, such as biotechnology, forensics, sustainability, alternative energy sources, pharmacology, disease, and the future of scientific research. Students will explore these issues in a variety of ways, including discussions, reading responses, debates, persuasive writing, journaling, presentations, laboratory experiences, and interactions with local scientists. The format of this course will best serve the learner who enjoys independent thought, independent work, and classroom contribution. With good citizenship and future voters in mind, this course promotes critical analysis and good decision-making. Honors credit is given with the completion of additional assignments.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I

Credit: 1

SC4540 Advanced Placement Environmental Science

AP Environmental Science is the equivalent of an introductory college course in environmental science, and is designed to prepare students for the Advanced Placement Exam. This course will provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will be able to identify and analyze both natural and human-made environmental problems. They will also be required to evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Students taking this course are expected to take the Advanced Placement Exam. This is the same course as TE7300, but credit is given from the Science Department.

Level: AP

Periods per week: 6

Grade: 12

Prerequisites: Physics I, Chemistry IH w/strong performance, Biology IH w/strong performance
and Senior Honors Math

Credit: 1

SC5530 Engineering By Design Honor

Engineering by Design is a year-long, project-based course that will expose students to the fundamentals of engineering, and the design and fabrication process. Projects will be interdisciplinary in nature and will draw from the fields of Biomedical, Chemical, Electrical, Civil, Environmental, Mechanical, and Materials Science Engineering. Students will develop skills in research, modeling, project management, construction, programming, testing, and marketing. Teams of students will collaborate on projects, taking their ideas from abstraction, to working prototypes, to a finished product for a specific audience. This course is designed for a broad spectrum of students who have fulfilled their science requirements and have a solid math background (i.e., algebra/trigonometry). This capstone senior level course enables students to apply their creative talents and their prior science knowledge to practical problem solving. This is the same course as TE4420, but credit is given from the Science Department.

Level: H

Periods per week: 6

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I

Credit: 1



SC5620/SC5630 Marine Biology

An introductory course on the marine environment. We will survey the fundamentals of physical and chemical oceanography before diving into the rich biological and ecological diversity of the oceans. Major topics will include plant and animal life and types of communities such as coral reefs, seamounts, and estuaries. Evaluation will be based on lab reports, quizzes and tests, individual and group projects, and participation. The course will culminate in a field trip to the New England Aquarium. Students who elect this course for honors credit will be expected to demonstrate strong academic independence through completion of extra projects.

Level: N or H

Periods per week: 4

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I (*Physics I - 11/12 may be taken concurrently*)

Credit: 1.0

SC5720/SC5730 Meteorology

This course is designed to study the atmosphere and the effects it has on local weather phenomena. The center point of the course will be the observation and prediction of meteorological events based on variables that exist in the Earth's atmosphere. This course will draw on material previously learned in Physics, Chemistry, and Biology and will show how they are all interrelated. Important environmental aspects will be discussed; such as air pollution, ozone depletion, and global warming. Students who elect this course for honors credit will be expected to demonstrate strong academic independence through completion of extra projects.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I (*Physics I - 11/12 may be taken concurrently*)

Credit: .5

SC5820/SC5830 Forensic Science

Forensic Science is a student-centered, semester-long course. Basic forensic analyses will be covered using case studies and labs. Topics covered include the study of fibers, DNA profiling, blood and blood spatter analysis, soil analysis, and fingerprinting. Learning happens primarily through collaborative exploratory-activities and lab work. Students who elect this course for honors credit will be expected to demonstrate strong academic independence through completion of extra projects.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I (*Physics I - 11/12 may be taken concurrently*)

Credit: .5

SC5920/SC5930 Genetics

Genetics is a student-centered, semester-long course. Molecular and classical genetics will be covered using lectures, activities, and labs. Topics covered include the DNA structure. Fruit fly genetics, human genetics, and genomics. Students will also learn how the definition of a gene has changed over time. Learning happens primarily through collaborative exploratory-activities and lab work. Students who elect this course for honors credit will be expected to demonstrate strong academic independence through completion of extra projects.

Level: N or H

Grade: 12

Prerequisites: Physics I, Chemistry I, Biology I (*Physics I - 11/12 may be taken concurrently*)

Credit: .5

SC6100/VA6100 Drawing for Understanding in Field Science

In this cross-disciplinary course, students will build scientific knowledge about their immediate environment through observational drawing and field research. Using the principles of visual design and the scientific investigation, students will communicate their scientific knowledge to others through visually powerful images and forms. From the pre-historic drawings of bison in the caves of Lascaux, France to the anatomical studies of the 14th century Flemish physician, Andreas Vesalius to the incredible journals of Leonardo Da Vinci, people have used drawing to understand the natural world and to communicate that understanding to others.

In this course we will look at the natural world – the flora, fauna, history, and systems at play in real time field experiences. Student will engage in active discovery through observational drawing as the principal technique for recording data. Direct observation and construction of knowledge lies at the heart of what both scientists and artists do. Field trips and talks by visiting artists/scientists will supplement our studies. Students will build knowledge together through observation, drawing, discovery, discussion, and design. This course may be taken for .5 credit in the Visual Arts Department.

Level: N

Grade: 9-12

Credit: .5



The Innovation High School 21st Century Learning

SOCIAL STUDIES

The Social Studies program at Brookline High School has two fundamental goals: to prepare young people to live in a democratic society and interdependent world and to enable students to define themselves on the basis of a broad knowledge and deep understanding of human history and society. The program provides all students with a common foundation of knowledge of both world history and United States history, and subsequently, with the opportunity to study areas of special interest. The curriculum teaches them to explore, analyze and seek meaning in history; to understand themselves as both the inheritors and creators of culture; and to facilitate the achievement of social science literacy and the mastery of learning and thinking skills.

To accomplish these goals, the Social Studies Department has designed the following course of study. The freshman, sophomore and junior year courses are required, and the senior year is elective. Most students take Social Studies for four years.

Freshmen are required to take World History: The Pre-Modern Era on one of two levels:

- World History: The Pre-Modern Era
- World History: The Pre-Modern Era - Honor

Sophomores are required to study World History: The Modern Era on one of three levels:

- World History: The Modern Era
- World History: The Modern Era - Honor

Juniors are required to study United States History on one of three levels:

- United States History
- United States History - Honor
- United States History - Advanced Placement

English Language Learners study United States History at the level appropriate to their ELL placement:

- United States History I - English Language Learners, level II
- United States History II – English Language Learners, level III

The Social Studies Department offers the following elective courses.

(See course descriptions for pre-requisites.)

<u>Full Year</u>	<u>One Semester</u>
– European History Advanced Placement	– Global Conflict
– American Government Advanced Placement	– Philosophy
– Legal Studies and Internship	– The Meaning of Life
– Seminar in African-American Studies	– Economics
– Psychology	– *Urban Planning
– *The Good Citizen in the Good Society (This course is offered for Senior English and Social Studies credit).	– Gender in Society
	– Asian-American Studies
	– Global Leadership Academy
	– Social Justice Leadership Program
	– *Contemporary America

*not offered 2013-14



The Freshman Requirement: World History: The Pre-Modern Era

The first year of a two-year course of study in world history, World History: The Pre-Modern Era explores the development of civilization and the enduring beliefs of the world's peoples. Offered for both standard and honors credit, the course will help students acquire the historical and social science literacy, writing and research skills, and essential understandings necessary for a successful high school social studies experience.

Beginning with the study of India and China, World History: The Pre-Modern Era will focus on the process of civilization building. Students will compare the roles of competing political philosophies in the creation and maintenance of a powerful empire. Traveling across the Islamic and African worlds, they will assess the importance of cultural diffusion. As they study the European Renaissance, Reformation and Enlightenment, students will examine the emergence of the individual in world history. Appraising the significance of colonialism and slavery, they will research the ways in which different cultures have impacted each other and contributed to the development of the modern world. The course will be interdisciplinary, with the social sciences, humanities, and technology integrated into the study of history. Students will be introduced to art history, and they will read portions of some of the great literary works from a variety of the world's cultures. All students will complete a research essay in order to fulfill course requirements.

SO1020 World History: The Pre-Modern Era

This course will focus on skill development as students engage the course content. Note taking, organization and other study skills will be emphasized along with an important range of thinking skills. Teachers will help students learn to develop thesis statements, assemble evidence and write logically constructed essays. While focused mainly on secondary source material, students will learn to interpret primary source historical material from a wide range of cultures.

Level: N

Grade: 9

Credit: 1

SO1030 World History: The Pre-Modern Era Honor

In this course, students will be expected to have strong study skills and the ability to engage in extensive reading. While studying the historical content, students will write analytical and comparative essays, draw social science hypotheses from archeological and historical data, and independently interpret primary documents.

Level: H

Grade: 9

Credit: 1

The Sophomore Requirement: World History: The Modern Era

Beginning with a review of the Enlightenment, World History: The Modern Era focuses on the world's history from the Age of the Democratic Revolutions to the post Cold War era. Students will study the Industrial Revolution as it developed in Europe and in Japan; political and social movements of the 19th century; European and Japanese imperialism and the various forms of accommodation, assimilation and resistance created by African and Asian societies; and the world impact of World War I, World War II, the Cold War and Wars of National Liberation. Examining Asian, African, European and American cultures and histories, students will consider how they contributed to, and were impacted by, world history in the realms of ideas, art, politics and economics. All students will write a research essay in order to fulfill course requirements.

SO2020 World History: The Modern Era

In this course, students will learn the skills necessary to analyze cause and effect, compare multiple perspectives, recognize the role of human agency in history, and discern the impact that economic, social, political, religious and philosophical forces have had on modern civilization. They will learn to analyze works of art from a variety of cultures and historical periods. They will practice outlining and note-taking skills, and write short papers. Primary sources will be introduced one at a time and moderately difficult secondary sources will be required beyond the textbook.

Prerequisite: World History: The Pre-Modern Era

Level: N

Grade: 10

Credit: 1



SO2030 World History: The Modern Era Honor

In this course, students will be expected to have achieved proficiency in some of the skills necessary to analyze social, political, and historical problems. Through research and the writing of major essays, they will analyze cause and effect, compare multiple perspectives, recognize the role of human agency in history, and discern the impact that economic, social, political, religious and philosophical forces have had on modern civilization. They will learn to analyze works of art from a variety of cultures and historical periods. The course will teach a variety of advanced skills necessary to evaluate primary and secondary sources, deal with more than one primary source at a time and read many secondary sources beyond the textbook. Teachers will help students write critical and analytical essays, which require analysis on both factual and conceptual levels and a clear thesis by the student.

Prerequisite: World History: The Pre-Modern Era

Level: H

Grade: 10

Credit: 1

The Junior Requirement: United States History

United States History surveys the development of the United States from the colonial period to the end of the Cold War era, using both a chronological and thematic approach. Beginning with a review of the colonial period and the American Revolution, students examine the creation of the Constitution, the early years of the republic, the institution of slavery and its effect on the country, the causes and effects of the Civil War and Reconstruction, the Industrial Revolution, the responses to the Industrial Revolution, civil rights, and the development of American foreign policy in the pre and post World War II eras. By looking at United States history through a variety of lenses -- social, economic, and constitutional -- students will gain an in-depth understanding of the complex ways in which the past influences the present. In studying the aspirations of the many different individuals and peoples who have forged our nation's history, the conflicts they have encountered and the contributions they have made, students will be better prepared to play an informed and active role in a democracy.

All levels of United States History aim to prepare students for college. The skills which will be stressed include outlining, preparing written work which shows sequence and the development of independent argument, working with four or five different sources, distinguishing immediate and long-term causes, critically examining primary sources, and recognizing the broader issues involved in a case. All students will learn some of the skills of the historian and spend time in the library. Reading, writing, and discussion form the spine of the course; there are also opportunities for role playing, viewing films, taking field trips, and hearing speakers. All students will complete a research essay in order to fulfill course requirements.

SO3020 United States History

Standard level United States History students will further develop the skills necessary to analyze social, political and historical problems. They will practice outlining and note taking skills, and write short papers. Primary sources will be introduced one at a time and moderately difficult secondary sources will be required beyond the textbook. Teachers will help students write essays that require analysis on both factual and conceptual levels and a clear thesis by the student.

Prerequisite: World History: The Modern Era

Level: N

Grade: 11

Credit: 1

SO3030 United States History: Honor

Honor level United States History students will be expected to have some of the skills necessary to analyze social, political, and historical problems upon entering the course. The course will teach a variety of advanced skills necessary to evaluate primary and secondary sources, deal with more than one primary source at a time and read many secondary sources beyond the textbook. Teachers will help students write essays that require analysis on both factual and conceptual levels and a clear thesis by the student.

Prerequisite: World History: The Modern Era

Level: H

Grade: 11

Credit: 1



SO3040 United States History: Advanced Placement

United States History Advanced Placement is given at the level of a freshman college course. Students will read a college textbook and many additional primary and secondary sources. Students complete a significant paper or exam on a weekly basis. The College Entrance Examination Board specifies the syllabus for the course. Students in this course are expected to sit for the Advanced Placement Examination in May. Success in this examination usually makes possible advanced placement, college credit, or both, depending upon the policy of the college which the student attends.

Level: AP

Grade: 11

Credit: 1

Prerequisite: World History: The Pre-Modern Era and World History: The Modern Era

SO6000 United States History I: ELL I/II

Students enrolled in this course will focus on skill development as they learn US history from British colonization through the Civil War. The course will emphasize note-taking, organization and study skills, along with basic skills in analysis and writing. Teachers will help students learn to develop thesis statements, assemble evidence, and write coherent essays. There will be particular emphasis on vocabulary building. In addition to the narrative history of the period, students will learn basic North American geography, the provisions of the US Constitution and the Bill of Rights, and other relevant topics and vocabulary in American history.

Required: Concurrent enrollment in ELL I or II

Level: N

Credit: 1

SO6001 United States History II: ELL III

This course is designed for advanced English Language Learners and will provide content instruction in US history from Reconstruction through the present. Students will receive assistance in reading and writing. Class work will be devised to build skills in note-taking, organization and critical thinking. Teachers will help students learn to develop thesis statements, assemble evidence, and write logically constructed essays. The course will include practice in the vocabulary necessary to understand the concepts, basic geography, and primary source documents and other relevant topics in US history.

Required: Concurrent enrollment in ELL III

Level: N

Credit: 1

SENIOR OPTION CLASSES

Senior Option courses in Social Studies are designed to achieve three goals: to introduce students to academic disciplines in the social sciences and humanities; to cultivate the habits of mind appropriate to newly enfranchised citizens in a democratic society; and to offer students the opportunity to study topics they find personally engaging. We offer both full year and semester options at a variety of levels of academic difficulty. Some courses offer opportunities for community internships and independent research.

SEMESTER COURSES

SO5030 Philosophy Honor

This course is designed to make you think. Students confront their assumptions about morality, fairness, responsibility, and even the mind itself. In particular, students encounter the thrilling promise of the European Enlightenment, the stark challenges posed by 20th-century Existentialists, the intellectual foundations of modern capitalism, the philosophical ramifications of the explosion in what we know about the brain, and the intriguing possibilities for happiness offered by The Buddha 2500 years ago. Students will learn to read difficult documents carefully and to craft complex arguments. Some highlights include the works of Kant, Mill, Nietzsche, Sartre, Friedman, Singer, Gilbert and Batchelor.

Level: H

Grade: 11, 12

Prerequisite: Junior or Senior Standing

Credit: .5



SO5720 Seminar in Asian-American Studies SO5730 Seminar in Asian-American Studies Honor

In this fall-semester class, students will examine the historical, social and political factors that have influenced the lives of Asian Americans from 1850 to the present. Two key questions frame the course: "Who is Asian American?" and "What does it mean to be Asian American?" The course addresses these questions in four sections; the first is a historical analysis of the early immigration period (1850-1924), which looks at reasons for immigration, living and working conditions in America, and negative sentiment towards Asian immigrants. The second unit examines the World War II years and the impact of internment on Japanese Americans as well as other Asian American groups. The third unit covers the post-1965 immigration period, including the refugee migration from Southeast Asia (focusing on Cambodians and the Hmong from Laos). The last unit focuses on contemporary topics of the model minority myth, racial identity, race relations, Anti-Asian violence, gender stereotypes, Asian Americans in the media, GLBT identity, Asian Americans in politics, bi-racial Asian Americans, college admissions and affirmative action, and the Tiger Mom controversy. By using a variety of written and media sources, students will attempt to draw meaningful conclusions about the experiences and contributions of Asian Americans in United States history.

Level: N or H

Grade: 11, 12

Prerequisite: Junior or Senior Standing

Credit: .5

SO5220 Global Conflict and Cooperation SO5230 Global Conflict and Cooperation Honor

This fall-semester course introduces students to the study of international relations and global economic development through a focus on current affairs. Each unit begins with news coverage of a recurrent global conflict, and then explores popular and scholarly accounts of its causes and significance. The course equips students with the concepts and skills to get beyond news headlines to the underlying patterns and factors that drive global conflicts and shape our possibilities for their peaceful and productive resolution. Possible topics include the wars in Iraq and Afghanistan, the Arab-Israeli conflict, terrorism and non-state actors, public health crises in the developing world, etc. Offered both semesters; students may repeat for credit.

This course is offered at an "N" level, but students may elect to take it for Honors credit, which requires the completion of a significant number of additional assignments. After the first four weeks of class, students may not switch to a different level.

Level: N or H

Grade: 11, 12

Prerequisite: Junior or Senior Standing

Credit: .5

SO5420 Economics SO5430 Economics Honor

This fall-semester course is an introduction to "economic literacy." What is the "economic problem?" What are land, labor, capital and entrepreneurship? How do supply and demand interact? How does the GNP, inflation, recession, and "money supply" impact our daily existence? The course examines various economic systems of the past and the contemporary world. In addition, the students study several economic theories, analyze the "mixed economics" of Europe and Asia and confront the economic dilemmas of international development.

This course is offered at an "N" level, but students may elect to take it for Honors credit, which requires the completion of a significant number of additional assignments. After the first four weeks of class, students may not switch to a different level.

Level: N or H

Grade: 11, 12

Prerequisite: Junior or Senior Standing

Credit: .5

SO5100 The Meaning Of Life

This spring-semester course explores some of the big questions in life: What is happiness? Is it possible to be happy? Does life have a purpose? What does it mean to live well? What if there are no reasonable or definite answers to these questions? We will read and discuss attempts to grapple with these questions from a variety of fields, including religion, philosophy, psychology, and literature. In addition to considering what others have said, students will be encouraged to formulate their own answers, and to examine how their background, family, and community have shaped their perspectives. To that end, students will interview their peers, family members, and others in the wider community. The format of the course is discussion-based, and it is open to all seniors.

Level: N

Grade: 11, 12

Prerequisite: Junior or Senior standing

Credit: .5



SO5500 Urban Planning

Course not offered 2013-14

This spring-semester course explores of some of the critical issues facing American cities in the 21st century. The course will open with a large group project called Urban Plan, which was created by the Urban Land Institute. This six-week project challenges students working in groups to respond to a fictional city's request for a proposal to redevelop a rundown neighborhood. Over the course of the project, the Urban Plan staff arranges for land use professionals to visit the classroom and offer advice to the groups. At the end of the project, student groups present their proposals to a fictional city council made up of professional land use experts. The remainder of the course will use a variety of resources to explore the issues raised by the projects. These topics include: the realities of city and neighborhood politics, the role of the state and markets in the formation of living spaces, and the environmental and technical challenges of the new century. At the end of the course students will examine local Brookline projects in light of the issues raised during the course.

Level: N

Grade: 11, 12

Prerequisite: Junior or Senior standing

Credit: .5

SO5600 Gender in Society

This spring-semester class will examine the sense that society makes out of sex and sexuality. Contemporary perspectives will be placed in historical context. The course will analyze the various influences of biology and culture on social practice. We will examine scientific texts, popular media, policy debates, and advertising. More than a discussion of these issues, the class will also examine the language used and the manner of its use in the discourse.

Level: N

Grade: 11, 12

Prerequisite: Junior or Senior standing

Credit: .5

SO5320 Contemporary America SO5330 Contemporary America Honor

Course not offered 2013-14

U.S. society was transformed after the Second World War, emerging as the greatest military and economic force in human history. Marginalized groups struggled for access to an "American Dream" of affluence. The culture, the military, and businesses of the U.S. spread around the globe. But as challenges to American foreign policy ignited in the Sixties and economic competition from Asia and Europe intensified in the Seventies, America could not so easily claim that it was the preeminent "leader of the free world." Still, U.S. computer technology facilitated myriad forms of cultural expression and the collapse of the Soviet Union left the U.S. as the sole military superpower. Technology and economic globalization have transformed culture. Are they renewing democracy's promise or posing dangers to our survival? Our new century is confronted with the question of whether technology will be more associated with warfare and environmental degradation or peaceful human community. Combining student-lead presentations with readings, this course explores the relationship between culture and politics after WWII. It examines the rise and fall of the Cold War, presidencies from Eisenhower to Obama, social movements, and popular culture.

This course is offered at an "N" level, but students may elect to take it for Honors credit. Honors students write 2 additional 5-7 page paper on topics of their choice. After the first four weeks of class, students may not switch to a different level.

Level: N or H

Grade: 12

Prerequisite: United States History

Credit: .5

FULL YEAR COURSES

SO4220 Senior Seminar in African-American Studies

SO4230 Senior Seminar in African-American Studies Honor

Students will learn about African-Americans by examining their history, literature, arts and culture. After examining African geography, history, politics and culture, students will learn the historical narrative of African-Americans in United States through novels, essays, biographies, speeches and plays. The course aims to help students identify with African Americans throughout the generations of American History, such as the Colonial Era, the American Revolution, Slavery, the Civil War, Reconstruction, and the struggle for Civil Rights. Students will experience African-Americans not as separate from but as an inclusive part of American thought, actions and events. In addition, the course will draw upon Pan-African connections in art, drama and music to understand the many cultures resulting from the African Diaspora. Course work will conclude with a major research and/or community service project. This course is offered for both "N" level and Honors credit, which requires completion of a significant number of additional assignments. After the first four weeks of class, students may not change to a different level.

Level: N or H

Grade: 12

Prerequisite: United States History

Credit: 1



SO4040 American Government and Politics: Advanced Placement

This course engages students in an in-depth study of political science and prepares them to take the American Government and Politics Advanced Placement Exam. Students study the various institutions, groups, beliefs, and ideas that make up the American political tradition. These include the organizations, powers and policy-making process of the Congress, the President and the executive bureaucracy, and the role of the Supreme Court. Constitutional history, the political values and behaviors of Americans, formal and informal institutions of government, and the development and defense of civil rights and liberties are also addressed. Students are expected to take the Advanced Placement American Government Examination in May. Students successfully completing this examination may gain advanced placement and/or college credit depending on the policy of the college to which the student is admitted.

Level: AP

Grade: 12

Prerequisite: United States History

Credit: 1

SO4140 European History: Advanced Placement

This course is a survey of European History, 1450 to the present. It follows a syllabus approved by the College Board for Advanced Placement courses. Students are expected to take the Advanced Placement European History Examination in May. Students successfully completing this examination may gain advanced placement and/or college credit depending on the policy of the college to which the student is admitted.

Level: AP

Grade: 12

Prerequisite: United States History

Credit: 1

SO4320 Legal Studies and Internship SO4330 Legal Studies and Internship Honor

Students will examine various aspects of the American legal system, including civics, civil rights, Constitutional law, law enforcement, criminal justice, public policy, civil dispute resolution, property rights and contracts. The seminar will emphasize practical aspects of legal topics to provide students with perspectives on real world issues they are likely to encounter later in life. Guest speakers will include professionals from the court system, private law practices, and law enforcement agencies. Students will be required to present papers based on independent research, and they will participate in a variety of field trips and a culminating internship.

This course is offered for both "N" level and Honors credit, which requires completion of a significant number of additional assignments. After the first four weeks of class, students may not change to a different level.

Level: N

Grade: 12

Prerequisite: United States History

Credit: 1

SO4420 Psychology SO4430 Psychology Honor

This full-year course in psychology introduces students to the systematic and scientific study of the human mind. Some of the questions the course addresses are: How do humans and animals learn? What contributions to nature and nurture each make to human development, personality, emotion, and cognition? How do people develop across the life cycle? How do their behaviors, thoughts, and emotions change over time? Do women and men think and feel differently? Why do people get depressed, obsessed, or suffer delusions? What kind of treatments are available to help these individuals? Why do individuals act differently in some groups than in other? And differently still when alone?

This course is offered for both "N" level and Honors credit, which requires completion of a significant number of additional assignments. After the first four weeks of class, students may not change to a different level.

Level: N or H

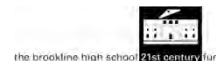
Grade: 12

Prerequisite: United States History

Credit: 1



SO4500 The Brookline High School Program in Social Justice Leadership



The BHS Program in Social Justice Leadership is a year-long experience to train students to become social justice activists. Students meet in small seminar groups one time per week and grapple with social justice issues, work as interns at a local social justice organization for 2-3 months, participate in day long trainings each quarter and host speakers on a number of social justice topics. The program is for students who are passionate about making a difference in the world and are excited to connect with the world beyond BHS.

During the year, students read stories about social justice activists worldwide (including one book each semester), watch film about courageous change-makers, listen to speakers and participate in full-day trainings on racism, activism, and leadership. Students also travel to a prison and take an environmental tour of a low-income neighborhood.

Students begin the year by defining social justice and exploring their own identity: race, class, gender, and what it means to be a social justice advocate. During second quarter, students begin to identify the issue(s) they are passionate about, such as inequality, health, water rights, gay/lesbian/transgender rights, incarceration, access to food and water, or genocide. The third quarter emphasizes learning how to make change in the world and evaluates social change movements. Students end the year crafting their own personal social just mission statement. Throughout, opportunities to join student-led social justice groups (i.e. Literacy Partnership, community garden project) are provided.

The program is open to all juniors and seniors who have at least one afternoon available either in the fall, winter or spring to attend an internship at a Boston-area social justice organization. Students must complete an application in the Spring (available in the social studies office, room 393) for acceptance the following year. Students will earn a Certification in Social Justice for their successful completion of the program.

Level: N

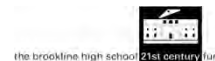
Full Year

Periods per week: 1-2

Requirement: Application

Credit: .5-1

SO4600 Global Leadership



This year-long course will teach students important theories and skills of effective leadership in a global context and will guide students in their efforts to research, plan, and acquire resources for an applied service learning experience. The class will require students to learn from texts, scholarly articles, and case studies about theories of global leadership. For instance, students may learn about the intense challenges faced by Greg Mortenson as he built a network of schools across Afghanistan and Pakistan, communication issues experienced by non-for-profit agencies as they strive to overcome the scourge of global human trafficking, and the characteristics of world leaders like Barack Obama, who are required to work across international boundaries in high pressure situations. At the same time, they will develop essential 21st century skills, such as public speaking, program planning, grant writing, reflective listening, program implementation, cultural sensitivity, and cross-cultural communication. During the second semester, students will write grant proposals to request funding for the implementation of service learning projects with a global focus. Throughout the year, students will use technology to solve problems, collaborate with one another, and demonstrate mastery of course objectives. Completion of this course will be an essential component of earning a certificate in global leadership at Brookline High School.

Level: N

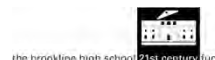
Full Year

Periods Per Week: 1-2

Requirement: Application

Credit: .5-1

ID1000 The Good Citizen In The Good Society



Course not offered 2013-14

What are the environmental impacts of the food I eat? How do my habits as a consumer contribute to economic justice or injustice? What can a single individual do in response to global problems? Good Citizen is an interdisciplinary, team-taught English and Social Studies class with a social justice focus. Our path of inquiry travels from the personal to the political, from the local to the global. Working in collaboration with the organization Facing History and Ourselves, the Good Citizen course aims to help students move "from thought to judgment to participation." Our goal is for students to envision a better world and their active role in it. Course texts include both literature and nonfiction essays and articles by such authors as Diaz, Ehrenreich, Friedman, Gourevitch, Kidder, Morrison, Orwell, and Pollan. This course has a strong experiential and service learning component. In the past, classes have visited a local organic farm, led workshops at Brookline elementary schools, and volunteered at an area food bank. Good Citizen students complete a senior project that includes both a position paper based on outside reading and a service/activism component. This course is designed to meet the needs of a range of students: Students who enjoy a hands-on approach to learning, students who are interested in social justice, and students who are looking for an alternative to a traditional English class may find this class to be a good fit.

Prerequisite: None

Periods per week: 8

Grade: 12

Level: N

Credits: 2



SPECIAL EDUCATION

TU2009 Learning Center

This course is designed to support the student in making effective progress in regular education (improve academic functioning), and to assist the student in developing self-advocacy skills. The acquisition of strategies for academic improvement across curriculum areas is also a major focus. A major goal of Learning Center is to help students become independent learners. (Students may be scheduled for less than 4 periods with credit pro-rated accordingly.)

Level: N Periods per week: 2-4 Grade: 9 Credit: .5-1

TU2010 Learning Center (See description for course number 2009.)

Level: N Periods per week: 2-4 Grade: 10 Credit: .5-1

TU2011 Learning Center (See description for course number 2009.)

Level: N Periods per week: 2-4 Grade: 11 Credit: .5-1

TU2012 Learning Center (See description for course number 2009.)

Level: N Periods per week: 2-4 Grade: 12 Credit: .5-1

TU2109 Comprehensive Learning Center

Comprehensive Learning Center (CLC) offers a home base and intensive academic support for students enrolled in **three or more special education content classes** (co-taught or small group) who require more extensive case management and coordination of services than the Learning Center model provides.

Level: N Periods per week: 2-4 Grade: 9 Credits: 1

TU2110 Comprehensive Learning Center (See description for course number 2109.)

Level: N Periods per week: 2-4 Grade: 10 Credit: 1

TU2111 Comprehensive Learning Center (See description for course number 2109.)

Level: N Periods per week: 2-4 Grade: 11 Credit: 1

TU2112 Comprehensive Learning Center (See description for course number 2109.)

Level: N Periods per week: 2-4 Grade: 12 Credit: 1

TU2200 Learning Support

Learning Support serves students with a history of school interruption due to social/emotional issues. This class provides a supportive learning community with close case management to facilitate student progress. (Students may be scheduled for less than 4 periods with credit pro-rated accordingly.)

Level: N Periods per week: 2-4 Grade: 9-12 Credits: .5-1

STUDENT SUPPORT PROGRAM

The Student Support Program is for 9th through 12th grade students who require a language-based approach to learning, and/or present with mild to moderate learning disabilities. Students are grouped according to grade in the academic classes. Students may require specialized instruction with accommodations and modifications in order to access core academics. Class size is on average 8-10 students with one teacher and one paraprofessional. Classes can be co-taught with a content teacher, or with the Speech and Language Pathologist as necessary. The program is staffed by a Teacher Leader, Four Teachers, 4 paraprofessionals, and the Support of a full-time Speech and Language Pathologist to monitor academic progress, attendance and expectations according to the "BHS Code of Conduct".

For students who need the greatest level of support, small group classes taught by a special educator who is also content-certified are available in English, Math, History, Science and Academic Support/Comprehensive Learning Center. Here, the students get the support of re-teaching, breaking assignments down into manageable parts, clarification of directions, and liaison services between families and school. The Student Support Program is more contained for the 9th, 10th, and 11th graders, and then supports 12th grade students in the larger high school with Special Education or General Education courses to meet graduation requirements.

Electives and World Language are taken in mainstream classes.



EN2000 Reading Lab

This course is designed for students who require multi-sensory language teaching in order to advance their reading and writing skills. Instructional strategies will focus on decoding, vocabulary, comprehension and writing in response to reading. Decoding instruction will be based on Orton Gillingham and the Wilson Reading System. Students will learn to use multiple active reading comprehension strategies when reading fiction and non-fiction.

Level: N Periods per week: 2 Grade: 9-12 Credit: .5

EN2100 English I

This full year course for ninth graders integrates reading, writing and oral communication skill development with the study of literature. A scaffolding approach is utilized throughout the curriculum to build understanding and foster independence. Instruction is both individualized and highly structured to facilitate development of reading comprehension; vocabulary; and writing skills. Students learn to use organizers as a means of understanding concepts and organizing their own ideas. Students will explore short stories, novels, essays and poetry, which may include: *The Outsiders*, *Tunes for Bears to Dance To*; *Warriors Don't Cry*; *The Odyssey*; and *The Contender*. Writing skills development works toward independent writing of strong paragraphs with varied sentence types.

Level: N Grade: 9 Credit: 1

EN2200 English II

This full year course for sophomores integrates development of reading comprehension and essay writing skills with the study of literature. A scaffolding approach is utilized throughout the curriculum to foster understanding and independence. Instruction is both individualized and highly structured to facilitate development of reading comprehension; vocabulary; and writing skills. Students use organizers as a means of understanding concepts and organizing their own ideas. Students will examine short stories, novels, essays and poetry, which may include: *A Raisin in the Sun*, *The Things they Carried*; *All Souls*; and *Othello*. Composition work concentrates on writing strong 5-paragraph essays that state and support a thesis.

Level: N Grade: 10 Credit: 1

EN2210 English III

This full year course for juniors integrates development of reading comprehension and essay writing skills with the study of literature. A scaffolding approach is utilized throughout the curriculum to foster understanding and independence. Instruction is both individualized and highly structured to facilitate development of reading comprehension; vocabulary; and writing skills. Students use organizers as a means of understanding concepts and organizing their own ideas. Students will examine short stories, novels, essays and poetry, which may include: *The Red Badge of Courage*, *The Curious Incident of the Dog in the Nighttime*; and *The Glass Castle*. Students will read independently as well. Composition work concentrates on writing strong essays that state and support a thesis and utilize evidence from the text effectively.

Level: N Grade: 11 Credit: 1

EN2300 Senior English

This full year course for seniors teaches writing in response to literature. A scaffolding approach is utilized throughout the curriculum to foster understanding and independence. Instruction is both individualized and highly structured to facilitate development of the ability to examine and write about themes in individual pieces of literature and across genres. Students develop independence in using and generating organizers to organize their own ideas. Students study literature as a class and independently, clarifying their thinking through discussion and writing about various aspects of the literature. Students successfully complete Senior Paper with ongoing structured support.

Level: N Grade: 12 Credit: 1

TU8000 Study Skills

This small group, mixed grade, instruction and remediation class will be given for the reading, writing, and math skills needed to complete course requirements, as well as to teach compensatory skills to assist their successful academic preparation.

Level: N Grade:9-12 Credit: 1



SO2500 World History I

This course explores the development of civilization and the enduring beliefs of the world's people. This course will help students to acquire the historical and social science literacy, writing skills, and essential understandings necessary for a successful high school social studies experience.

Level: N

Grade: 9

Credit: 1

SO2600 World History II

Students studying World History: The Modern Era will be expected to have some of the skills necessary to analyze social, political and historical problems upon entering the course. Through research and the writing of major essays, students will analyze the cause and effect, compare multiple perspectives, recognize the role of human agency in history, and discern the impact that economic, social, political, religious, and philosophical forces have had on modern civilization. The course will teach a variety of advanced skills necessary to evaluate primary and secondary sources, deal with more than one primary source at a time and read many secondary sources beyond the textbook. Teachers will help students write critical and analytical essays, which require a clear thesis by the student analysis on both factual and conceptual levels.

Level: N

Grade: 10

Credit: 1

SO2700 United States History

This course is designed to survey the major topics in American History. Students are introduced to vocabulary, major figures, and the issues and conflicts that shaped this country's historical development, both socially and politically.

Level: N

Grade: 11

Credit: 1

MA2800 Math I

This full year course for 9th grade students will parallel the Math 1 Intensive Curriculum. Math 1 provides an introductory examination of geometric relationships, including parallel lines, congruent and similar figures, trigonometry of right triangles, circles, and area and volume formulas. There are also units on probability and analysis of graphs.

Level: N

Grade: 9

Credit: 1

MA2810 Math II

This full year course is designed to assist students in developing and strengthening their math skills in preparation for the MCAS. It is intended for students who benefit from small group instruction with significant structure built into class meetings, such as an established classroom routine. Major topics covered include probability, problem solving, linear equations (including systems of and inequalities), absolute value, and polynomials.

Level: N

Grade: 10

Credit: 1

MA2900 Math III

This math course is designed for students who require small group specialized instruction due to emerging math and organizational skills. The course is a continuation of more advanced algebraic review and geometric concepts. Students will use materials with more time available for support and review. Written work will consist of class notes, class work, homework, quizzes, projects and tests. Course availability based on student enrollment.

Level: N

Grade: 11

Credit: 1

MA3900 Algebra II/Geometry INT

This math course is designed primarily for juniors and seniors who require small group instruction. The course reviews the five major math areas outlined in the state curriculum frameworks, focusing on student mastery of these areas.

Level: N

Grade: 10

Credit: 1

MA1050 Geometry I

This math course is designed primarily for freshman that require small group instruction. The course covers geometry and geometric concepts with a review of basic algebra. Quarterly hands on projects are required. These projects incorporate the math concepts discussed in class and also rely on cooperative educational principles in order to bring about completion.

Level: N

Grade: 9

Credit: 1



MA2050 Algebra I/Geometry

This math course is designed primarily for sophomores and juniors who require small group instruction. The course covers a combination of algebra review and a continuing exploration of geometry and geometric concepts that relate to real world experience. One project per semester is required. These projects incorporate the math concepts discussed in class and also rely on cooperative educational principles in order to bring about completion.

Level: N

Grade: 10

Credit: 1

MA3050 Essential Math for Life I

This full year math course is designed primarily for juniors who require small group instruction. This non-MCAS prep-class focuses on the use of money in everyday life. Course topics are integrated with the long-term transitional goals of students: earning potential, budgeting, investments, percentages, food and nutrition, housing costs, and a review of foundational essential math skills.

Level: N

Grade: 11

Credit: 1

MA4050 Essential Math for Life II

This full year math course is designed primarily for seniors who require small group instruction. This non-MCAS prep-class focuses on the use of money in everyday living. Course topics are integrated with the long-term transitional goals of students: earnings, budgeting, investments, percentages, banking, major purchases, and nutrition, housing, and a review of foundational essential math skills.

Level: N

Grade: 12

Credit: 1

SO3400 World History I

The course is the first year of a two-year course of study in world history. World History: The Pre-Modern Era explores the development of civilization and the enduring beliefs of the world's people. This course will help students to acquire the historical and social science literacy, writing skills, and essential understandings necessary for a successful high school social studies experience.

Level: N

Grade: 9

Credit: 1

SO3500 World History II

Students studying World History: The Modern Era will be expected to have some of the skills necessary to analyze social, political and historical problems upon entering the course. Through research and the writing of major essays, students will analyze the cause and effect, compare multiple perspectives, recognize the role of human agency in history, and discern the impact that economic, social, political, religious, and philosophical forces have had on modern civilization. The course will teach a variety of advanced skills necessary to evaluate primary and secondary sources, deal with more than one primary source at a time and read many secondary sources beyond the textbook. Teachers will help students write critical and analytical essays, which require a clear thesis by the student analysis on both factual and conceptual levels.

Level: N

Grade: 10

Credit: 1

SO3800 U. S. History

This Course is designed to survey the major topics in American History. Students are introduced to vocabulary, major figures, and the issues and conflicts that shaped this country's historical development both socially and politically.

Level: N

Grade: 10

Credit: 1

EN6000 Creative English

Creative English is structured with a small group instruction model where reading, comprehension, writing, class discussion, and organizational strategies are addressed. The course emphasizes clear communication skills, vocabulary development, literary instruction, and written expression. The course is designed for students who need intensive support developing their reading, writing, speaking, listening and thinking skills.

Level: N

Grade: 9-12

Credit: 1

EN6100 Basic English

The class is structured with a small group instruction model where independent reading (completion of reading for homework), comprehension, writing, class discussion, and organizational strategies are addressed. Literature includes poetry, Shakespeare, classical studies—the Odyssey, and writing assignments to enhance understanding of curriculum.

Level: N

Grade: 9-12

Credit: 1



MA6200 Pre-Algebra

This class addresses basic and pre algebraic concepts, functional math, basic computations, geometric and pre-algebraic skills. The focus of the course is to preview, review, recognize, evaluate, build, learn and maintain basic pre algebraic skills.

Level: N

Grade: 9-12

Credit: 1

MA6300 Algebra

A range of topics is covered in this course including fractions, division, averaging, percents, linear equations, use of variables, factoring, formulas, and exponents. Basic geometric concepts are introduced. The focus of the course is to build and maintain basic skills in order to continue to a higher level of math. Organizational objectives are integrated into the curriculum.

Level: N

Grade: 9-12

Credit: 1

SO6400 World Views History

Reading, self-advocacy skills, organizational and social objectives are integrated in the curriculum. This course studies world history from ancient civilizations to renaissance. Second year class covers renaissance to contemporary modern history

Level: N

Grade: 9-12

Credit: 1

SC5050 Applied Science Study

This course pre-teaches, reviews and supports the written expectations of the Applied Science I and II and III courses.

Level: N

Periods per week: 3

Grade: 9-12

Credit: .5

SO6500 U. S. History

This course is for students who need significant support for reading, writing, developing vocabulary, understanding historical facts and events, and other skills necessary for success in understanding United States History from 1940's to current time.

Level: N

Grade: 9-12

Credit: 1

TU6600 Study Skills

Study Skills addresses the fundamental skills that students need to complete homework as independently as possible. Additionally, students are provided the opportunity to work on assignments with individualized tutoring support.

Level: N

Grade: 9-12

Credit: 1

SC6700 Applied Science I

This course will provide an integrated approach to studying physics and chemistry. It will consist of a hands-on and content-rich program designed to provide students with a meaningful learning experience based on the practical applications of introductory physics and chemistry. This course will meet a total of 4 blocks per week. These blocks will meet within the science double-lab block format, as well as in a tutorial format to pre-teach, reinforce and support the written expectations of the course.

Level: N

Grade: 9-12

Credit: 1.5

SC1050 Applied Science II

This course will provide an integrated approach to studying biology. It will consist of a hands-on and content-rich program designed to provide students with a meaningful learning experience based on the practical applications of introductory biology. This course will meet a total of 4 blocks per week. These blocks will meet within the science double-lab block format, as well as in a tutorial format to pre-teach, reinforce and support the written expectations of the course.

Level: N

Grade: 9-12

Credit: 1.5

SC2050 Applied Science III

This course will be a continuation of Applied Science II. It will provide an integrated approach to studying biology to support a competency determination with additional opportunities to meet the MCAS competency in Biology. This course will meet a total of 4 blocks per week. These blocks will meet within the science double-lab block format, as well as in a tutorial format to pre-teach, reinforce and support the written expectations of the course.

Level: N

Grades: 9-12

Credit: 1.5



TU3000 Pathways Study Skills and Tutorial

Study Skills and Tutorial address the fundamental skills that students need to complete coursework and assignments as independently as possible. Additionally, students are provided with support around issues that interfere with their learning, relationships and progress toward their individual goals. Students are provided the opportunity to review assignments, receive additional help with difficult concepts presented in their classes and/or work on assignments with individualized tutoring support. In addition to regularly scheduled class times, students are provided with a safe space that they may use when they are having difficulty functioning within the larger high school community. In addition, students may access the study skills/tutorial on a as needed basis for additional support and guidance.

Level: N

Grade: 9-12

Credit: 1

MA8200 Functional Math

Functional Math will address the basic math skills necessary for daily living. Topics of instruction include computation, money skills, telling time, counting, classifying, sorting, budgeting, using a calendar, and following a schedule. Course work will follow the MA Curriculum Frameworks and will be modified to meet each student's abilities and needs. The desired outcome is to maximize the student's independence and participation in all aspects of life.

Level: N

Grade: 9-12

Credit: 1

EN8300 Functional English

Functional English will address the areas of reading, language, and spelling through small group instruction and real-world situations. Course work will follow the MA Curriculum Frameworks and will be modified to meet each student's abilities and needs. The desired outcome is to maximize the student's independence and participation in all aspects of life.

Level: N

Grade: 9-12

Credit: 1

SC8400 Functional Science

This course will address functional science activities, including identification of objects, comparison of the physical properties of attributes of objects, knowledge of basic weather, and the understanding of plants, animals, body parts, and senses. Course work will follow the MA Curriculum Frameworks and will be modified to meet each student's abilities and needs. The desired outcome is to maximize the student's independence and participation in all aspects of life.

Level: N

Grade: 9-12

Credit: 1

SO8500 Functional Social Studies

This course will address functional history-social studies skills such as scheduling and day planning, social skills and interpersonal relationships, current events, and participation in the community. Course work will follow the MA Curriculum Frameworks and will be modified to meet each student's abilities and needs. The desired outcome is to maximize the student's independence and participation in all aspects of life.

Level: N

Grade: 9-12

Credit: 1

CE8600 Life Skills

This course will assist students in developing skills to become independent young adults. Topics of instruction include self-care, meal preparation and kitchen equipment, nutrition, housekeeping, social interactions and leisure time, career awareness, money management and values. Course work will be modified to meet each student's abilities and needs. The desired outcome is to maximize the student's independence and participation in all aspects of life.

Level: N

Grade: 9-12

Credit: 1



VOCATIONAL

CE2410 Transition Support

The Employment Support program is designed to help to young adults to obtain and maintain employment by: facilitating career exploration activities (i.e. informational interviews, job shadowing opportunities and/or internships), identifying skills and interests, developing a range of career options, and ultimately securing employment in the community. BHS staff supports program participants throughout the entire job search process (i.e. resume development, interview preparation). Once a job or internship is secured, BHS provides students with the appropriate amount of job coaching and support needed to help the individual perform the job successfully and assist employers with devising job accommodations, as needed. Additional classroom based support and case management is provided to help student and their families plan and prepare for the transition into adulthood. Program participants are between the ages of 18 and 22 and have completed the academic portion of their program at BHS.

Level: N

Grade: PG

Credit: 0

CE8800 Job Skills

This course is designed to enable students to develop skills needed to obtain and maintain employment. Students will learn tools of the job search (i.e. resume writing and networking), the interviewing process, and strategies for keeping a job. Students are encouraged to share work experiences and learn from others.

Level: N

Periods per week: 4

Grade: 9-PG

Credit: 1

ADAPTED PHYSICAL EDUCATION

HF7001 Adapted Physical Education

Alternative and/or supplemental physical education offering for opportunities to develop gross motor and skills necessary for life long physical activity.

Level: N

Periods per week: 3

Grade: 9-PG

Credit: .25

HF8702 Adapted Physical Education

(See description for course number 7001)

Level: N

Periods per week: 3

Grade: 9-PG

Credit: .25

SPEECH AND LANGUAGE

EN8000 Speech and Language

Individual, small group and classroom intervention for students with diagnosed language, communication and neurological speech disorders. This service provided by a certified Speech and Language Pathologist offers teaching of language skills and compensatory strategies for oral and written communication and specific speech disorders. Also included is consultation with general education and special education teachers and coordination with the learning centers, and tutorials. Number of meetings depends on the student's Individual Educational Plan. Speech and Language Pathologists participate in activities such as classroom observations and collaborative teaching, teacher consults and reviewing student work. Prior to determining/providing services, a speech and language assessment is completed.

Level: N

Periods Per Week: As needed

Grade: 9-PG

Prerequisite: Individualized Educational Plan

Credit: .25

EN8100 Social Communication

Social language groups offer structured teaching and experiential opportunities in social thinking and communication. Groups are led by a speech-language pathologist in a small group format. The main goal of the group is to improve the social understanding, communication and social reasoning skills of individuals by using discrete skill building activities. Groups are designed based on the needs of individuals and can be geared towards basic or high-level skill building.

Level: N

Periods per week: As needed

Grade: 9-PG

Credit: .25



VISUAL ARTS

The Visual Arts students are able to choose from the full range of disciplines within the Visual Arts curriculum and work in well equipped, media specific studios. All course expectations emphasize problem solving, decision making and reflection. Craftsmanship is developed through repeated experiences. Students examine the nature and properties of the materials and processes and communicate ideas and information through the images and forms associated with each area of study. Students plan and execute choices, deal with unexpected or unintentional developments, follow hunches, and imagine. Challenges are connected to art history, current practices, and student interests. Students are encouraged to enroll in several courses during their high school program to discover their ability to communicate clearly through art.

Students interested in studying extensively in the visual arts are advised to take multiple Level I courses. Any students, who are considering further study after graduation, will need to enroll in multiple Level II and Level III courses and the Advanced Placement Portfolio.

An Elective Pathway Alternative allows students to pursue multiple visual arts classes and meet all graduation credits.

Elective pathway Alternate

A “pathway” of three progressively advanced credits in the, Visual Arts, may substitute for:
the distribution requirement in electives
or
two credits total in World Languages, Mathematics, Science, or Social Studies
(only one credit per discipline)

Level I

Animation I	Art Studio	Comics 101
Ceramics I	Drawing I	Digital Design Studio I
Painting I	Printmaking I	Jewelry/Metals I
Documentary Filmmaking I	Photography I	Sculpture I
Digital Video I	3D Animation	Television Production 101

Level II

Animation II	Comics 102	Ceramics II
Drawing II	Digital Design Studio II	
Painting II	Printmaking II	Jewelry/Metals II
Digital Photography II	Photography II	Sculpture II
Digital Video II	Television Production 102	

Level III

Advanced Drawing and Painting		Advanced Placement Portfolio
Ceramics III	Ceramics IV	Photography III
Independent Study		

GRADUATION REQUIREMENTS

Graduation from Brookline High School requires three credits in the electives, Career and Technology Education, Performing Arts, and Visual Arts. Courses can be distributed across the three departments or met through the Electives Pathways Option to study more intensively in one discipline.



LEVEL ONE COURSES

VA8301 3D Animation

Students create short 3D films, characters and storylines developed in detailed, multi-level worlds that transport the viewer into the artist's point of view. Students work with the software designed to create animations that are full of depth, maximize the potential of the software, are personally satisfying, and appreciated by an audience of peers. Students give to life characters and sketches created from observation, memory and imagination, in these short 3D animated stories. Students examine real world examples of 3D animation, both historical animations and the current trends in the industry.

Level: N

Grade: 9-12

Prerequisite: none

Credits .5

VA8101 Animation I

Animation students depict art in motion, transforming shapes and characters frame by frame, to create detailed, multi-level stories. Students explore the wide ranging possibilities within the software to create interesting, entertaining and well crafted animations. Students bring to life two-dimensional sketches into fully animated characters and objects. Students share work with peers to experience the responses of an audience of peers. Beginning storyboards ideas, original sketches, frame development, competence with tools; reflection, finished animations, and inventiveness are emphasized.

Level: N

Elective 9-12

Credits .5

VA0101 Art Studio

Art Studio students experience 2D and 3D mediums, transforming and combining materials and processes into images and forms that resonate with the viewer. Art Studio increases craftsmanship, self-expression, and confidence in decision making. Students use observational skills, listen to their intuition, imagine, and view outside sources to develop thoughtfully conceived and executed artwork. Art studio is ideal for students wanting a broad foundation for future art courses. Brainstorming, execution, competence with tools, critiques, self reflections, and inventiveness are emphasized.

Level: N

Elective 9-12

Credits .5

VA5001 Ceramics I

Ceramics students form clay to create functional forms and sculptural power, while developing insights about beauty, and the journey of the personal creative process in one of mankind's earliest artistic undertakings. This class provides a first encounter with clay, construction skills, fundamentals of craftsmanship, and an investigation of improvisation in building and firing ceramic objects. Students complete a series of assignments to develop technical, perceptual, and inventive competence. The knowledge they derive from these assignments culminates in gifts they create for themselves and their loved ones. This course has a lab fee of forty dollars. Financial assistance is available.

Level: N

Elective 9-12

Credits .5

VA 9400 Comic Books 101

Comic Book101 students engage in a wonderful, unique form of storytelling that combines multiple framed words and pictures. Subject matter can be serious, humorous, autobiographical, or completely fantastic. Students learn the stages of comic book production using both traditional and computer assisted methods. Initially, students work with ink, paper, and transition to digital forms of comic book production. Work includes hand drawn thumbnails, model sheets, dummy pages, and analysis of the fundamental elements of sequential art. Students invent original characters and scripts that have personal relevance and engage in critiques and discussions to discover optimum visual solutions.

Level: N

Elective 9-12

Credits .5

VA9101 Digital Design Studio I

Digital Arts Design Studio students create original compositions within computer programs to striking images. The graphic designs convey a message, evoke a feeling, persuade, or ask the viewer to look beyond what is visible. Students integrate text and imagery into seamless, finished artwork creating book illustrations, company logos, advertising campaigns, visual illusions, and typographic imagery. Utilizing the tools of Adobe Illustrator and Photoshop, the students are challenged to be original, inventive, while meeting the constraints of client oriented work; the challenges mirror the real world expectations for designers/illustrators. Ideas, execution, satisfaction of client requests, competence with tools, critiques, self reflections, and inventiveness are emphasized.



Level: N

Elective 9-12

Credits .5

LI1000 Digital Video Production I

Digital Video Production provides students with the skills necessary to produce original videos using state-of-the-art technology. These skills include scriptwriting, storyboarding, basic film techniques and post-production editing. Students will critique and analyze historical and contemporary examples of film and television, including commercials and their own original videos. Students work to create original work that is inventive and within the constraints/demands of clients. Student generated productions are viewed and critiqued by a group of peers to reflect on the response of an audience.

Level: N

Grade: 9-12

Credit: .5

VA1001 Drawing I

Students train the eye, brain, and hand to work in concert, using keen observation to create forms or objects on a surface by means of lines. Students examine the methods for creating strong compositions that illustrate objects, space and portraiture. Students make use of any number of drawing instruments including graphite pencils, pen and ink, inked brushes, color pencils, crayons, charcoals, chalk, pastels, markers. Students with limited experience will develop confidence in their abilities and students with broader experience expand their skills through continued practice.

Level: N

Elective 9-12

Credits .5

VA9600 Documentary Filmmaking

Explore the world and engage in the process of creating compelling and educational documentary films in the new Brookline High School/Brookline Access Television media facility. Students study different types of documentary techniques, subgenres of documentary, and the formal elements of documentary filmmaking. Utilizing the tools available to the filmmaker such as sound, image, special effects and pacing, students create an entertaining film while generating an awareness of world issues for the student and the viewer. Students research and discover meaningful topics for films, create proposals and treatments, find a unique voice, and assemble a film that keeps its viewers engaged. Filmmaking skills are applicable to class projects in other curriculum areas such as history, performing arts, science, and senior papers/projects. Teamwork, competent use of equipment, research methods, good communication skills, and professionalism are emphasized.

Level: N

Elective 9-12

Credits .5

VA6001 Jewelry/Metals I

Jewelry students explore the rich possibilities intrinsic to metals, manipulating and shaping metal and related materials. Students create dramatic forms that demand attention as sculptural objects or jewelry that adorn the wearer. Group and individual demonstrations will be given to introduce the safe and appropriate use of the metal studio, tools and materials. Students use observation skills, follow their intuition, tap into their imagination, and view outside sources to develop thoughtfully designed jewelry and small metal sculptures. Creating well-crafted work that reflects an understanding of and respect for the creative process, mirrors the artists' intentions, and resonates with the viewer are paramount objectives of this course. This course has a lab fee of forty dollars. Financial assistance is available.

Level: N

Elective 9-12

Credits .5

VA2001 Painting I

Painting students create energy in purposeful strokes that express the emotional force of color, and a sense of space. Students in this class develop skill in utilizing a variety of wet media including tempera, watercolor, ink, gouache, and acrylic paints. Color has a deep and personal impact for the artist and the viewer. Students explore representational, abstract, and non-objective ways of working to express ideas. Exploration and experimentation with materials, journal work, group critiques, written self-reflection and exhibition of work for reflection are emphasized.

Level: N

Elective 9-12

Credits .5

VA7001 Photography I

Photography students frame powerful images in camera and in printing capturing the world through the artist's personal point of view. Photo I students experience the full range of possibilities for working with photography. Beginning with a35 mm cameras, students develop film and use darkroom techniques to create black and white photography. Students print images in the traditional manner to gain a greater understanding of "painting with light".



Students switch to digital cameras and experience how technology has transformed this art form. . Students are challenged to consider all the elements of the frame; to include only what is necessary to turn a snapshot into a photograph. The course emphasizes composition, design, point of view, and student voice in the photography. Cameras are available for loan if necessary. Students are required to pay a lab fee of sixty dollars. Financial assistance is available

Level: N Elective 9-12 Credits .5

VA4001 Printmaking I

Students engaging in creating works of art on the flat surface of printing plates so the image can be recreated in great quantity. The images are transferable to paper with color, repetition, and applied layers. Prints can be made using found objects which are arranged, inked and printed in the same way as etched or engraved plates. Relief prints, intaglio prints, monoprints, and embossed prints. Students create mixed media prints using two or more printing processes. Combinations are endless, reflecting the creativity and skill of the artist. Students create imagery that reflects their interests, experiences, and understanding of the world around them.

Level: N Elective 9-12 Credits .5

VA3001 Sculpture I

Sculpture students transform materials from one thing into another; adding or removing parts, providing an armature to support materials, or assembling materials until the form makes people think about it in a completely new way. Students use a wide range of materials: paper, cardboard, wire, wood, plaster, plaster gauze, fabric, and found objects, work from observation, and their imagination, studying human, animal, and natural forms. Students work in a collaborative art studio, engaging in problem solving, exploration and reflection as they create a body of three-dimensional work. This class has a lab fee of twenty dollars. Financial assistance is available.

Level: N Elective 9-12 Credits .5

VA 9800 Television Production 101

Television Production students experience real world television production in BATV studios, engaging in the full range of operations needed to create programs for viewing. Students focus on media production for television working collaboratively and learning the fundamental techniques of operating state - of - the art media production equipment. Emphasis is on teamwork, competent use of equipment, good communication skills, and professionalism. Students completing this course will be eligible to take future courses of Television Production, and Digital Video.

Level: N Elective 9-12 Credits .5

LEVEL TWO COURSES

VA8201 Animation II

Students continue to depict art in motion in short films. Students create several short animations, each designed to focus on a particular challenge for animators. Students manipulate the program strengths to illustrate the elements of the assignments and highlight their personal styles as they create works that are more sophisticated. Competent use of software, strong compositions, original characters and story ideas, possible continuation of work created in Animation I, experimentation with new ideas, inventiveness and refection are emphasized.

Level: N Grade: 9-12

Prerequisite: Animation I Credits .5

VA5101 Ceramics II

Ceramics students form clay to create functional forms and sculptural power, while developing insights about beauty, and the journey of the personal creative process in one of mankind's earliest artistic undertakings. Students build on learning and skills developed in Ceramics I. Students improve construction techniques, modeling, and wheel forming through exercises for understanding of proportion, gesture, and structure in basic form. The challenge of this course is to explore the theme of relationship in constructed form: proportions of part to whole, relating form to function, detail to idea, space to volume, and work within a series. To complete the course, students build a series of work based on a self-selected idea. This course has a lab fee of forty dollars. Financial assistance is available.

Level N Grade: 9-12

Prerequisite: Ceramics I Credits .5



VA1201 Drawing II

Drawing students continue to use keen observation of objects and space to create line, form, and space. Light, shadow, perspective, composition, line, form, and texture, are conveyed in both realistic renderings of the subjects and the artist perceptions and feelings about the image. Building on experiences in Drawing I students demonstrate strong composition, modeling of forms, linear perspective and working with the figure, convey ideas about the subjects beyond mere appearance, and develop a unique artistic signature. Journal work, group critics, self reflections, exhibition of work and competent use of tools are emphasized.

Level N

Grade: 9-12

Prerequisite: Drawing I

Credits .5

VA9201 Digital Design Studio II

Digital Arts Design Studio II students create original compositions within the computer programs to create graphics that convey a message, evoke a feeling, persuade the viewer, or ask the viewer to look beyond what is visible. Students demonstrate competence and understanding of the dual purposes of the graphic artist through bold, eye catching illustrations, collages, advertisements, visual illusions, and typographic imagery. Students pursue the acquisition of new technical skills, inventiveness and a positive response from the intended audience; the challenges mirror the real world expectations for designers/illustrators. Competent use of software, originality, inventiveness, risk taking and reflection are emphasized.

Level: N

Grade: 10-12

Prerequisite: Digital Design Studio I

VA7210 Digital Photography II

Students continue to explore how computer technology changes the way photographers and artists work with images. Students pursue acquisition of new techniques in the vast array of tools in the Photoshop software to illustrate strong use of the elements and principals of design in the images. Exploration, evaluation, and discussion of the implications of digital technology are emphasized as students build a portfolio of work. Group critiques, self reflection and exhibitions are avenues for feedback to the photographers.

Level: N

Grade: 9-12

Prerequisite: Photography I

Credit: .5

LI2000 Digital Video Production II

Students continue to investigation of techniques, story ideas, creating scripts, scenes, music and appeal for an audience while filming, and editing digital videos. Students pursue individual productions as they incorporate new techniques and advance proficiency in creating compelling video. Students will conduct in-depth analyses of selected directors and their films. Class participation in brainstorming, critiques, and final viewing of the videos is used to provide feedback to the videographers.

Level: N

Grade: 9-12

Prerequisite: Digital Video Production I

Credit: .5

VA6101 Jewelry/Metals II

Jewelry students continue to explore the rich possibilities intrinsic to metals, engaging in the age old dilemma of manipulating and shaping metal and related materials Jewelry / Metals II students use observation skills, listen to and rely on their intuition, tap their imagination and view outside sources to develop thoughtfully designed jewelry and small metal sculptures. Students create work that demonstrates genuine understanding of the materials, strong manipulative skills, and more challenging combinations of processes. This course has a forty dollar lab fee. Financial assistance is available.

Level N

Grade: 9-12

Prerequisite: Jewelry/Metals I

Credits .5

VA2101 Painting II

Painting II students continue to develop strong expression and competence with the tools and materials to create compelling paintings that engage the viewer Students explore representational, abstract, and non-objective ways to express ideas and engage in critical analyze of works of art. Journal work and written self reflection are required components of this course. All students will participate in group critiques and have opportunity to exhibit their work in both the UAB and The Art Space gallery.



Level: N
Prerequisite: Painting I

Grade: 9-12
Credits .5

VA7101 Photography II

Photography students refine the skills introduced in Photography I. Students engage in artistic thinking; problem solving, exploring ideas, judging work critically and realistically and reflecting on their individual growth as a photographer. Students assemble a portfolio of strong images through regular shooting assignments exploring the visual elements, portraiture, landscape, and documentary photography. The power and use of photographic manipulation in modern society will be included. 35mm cameras are available for loan if necessary. Students are required to pay a lab fee of sixty dollars to cover the cost of the paper and film. Financial assistance is available.

Level: N
Prerequisite: Photography I

Grade: 10-12

Credits .5

VA4201 Printmaking II

Printmaking students create refined imagery for printing plates. Utilizing their previous experiences with the printmaking process, student focus their work on one or two printmaking processes. Students engage in an in depth exploration of the processes and use printmaking as a means for visually expressing the artist's ideas and perceptions. Emphasis is on personal work that demonstrates genuine understanding of the printmaking techniques, focused attention, persistent work habits, individual expression, and self-reflective learning.

Level: N
Prerequisite: Printmaking I

Grade: 10-12

Credits .5

VA3101 Sculpture II

Sculpture II students continue to transform materials from one thing into another by adding or removing parts, providing an armature to support materials, or assembling materials until the form makes people think about it in a completely new way. Students use a wide range of materials: paper, cardboard, wire, wood, plaster, plaster gauze, fabric, and found objects, work from observation, and their imagination, studying human, animal, and natural forms. Students work in a collaborative art studio, engaging in problem solving, exploration and reflection as they create a body of three-dimensional work. This class has a lab fee of twenty dollars. Financial assistance is available.

Level: N
Prerequisite: Sculpture I

Grade: 10-12

Credits .5

VA9900 Television Production 102

Television Production students continue to work in the BATV studios, engaging in the full range of operations needed to create programs for viewing. Students focus on media production for television working collaboratively while learning the fundamental techniques of operating state - of - the art media production equipment. Emphasis is on teamwork, competent use of equipment, good communication skills, and professionalism.

Level: N
Prerequisite: Television Production 101

Grade: 9-12

Credits .5

LEVEL THREE COURSES

VA9300 Advanced Drawing and Painting

Advanced Drawing and Painting students engage in focused investigations of personal ideas and questions. Students are challenged to be skillful, intuitive, imaginative, and critical thinkers as they create bodies of work for breadth in their portfolios. Students focus on developing sophisticated visual solutions to traditional design problems. Students consider the qualities inherent in compelling visual expressions, to create sophisticated abstract and representational compositions. Students investigate how artists generate ideas and determine the appropriate approach to solving challenges. Through brainstorming exercises, each student artist makes critical choices regarding subject, media, style, and execution. Students develop a portfolio suitable for college and scholarship applications and serves as the foundation for an AP level portfolio for students that continue their artistic studies and undertake the AP Studio Art Exam.

Level N
Periods per week: Four

Grade: 11-12



Prerequisite: Drawing 2 and Painting 2 or department approved equivalent

Credit: 1

VA9000 AP Studio Art: Drawing, 2D, 3D

AP Portfolio students engage in create a series of pieces that explore a theme, emerging from personal inquiries that challenges students to be skillful, intuitive, imaginative, and critical thinkers. They create a strong portfolio of work for submission to the College Board for the AP Studio Art Exam. The AP artist needs to be able to work independently, to step up and create personal challenges that answer their curiosity, to be a problem solver, and to seek critique for reflection. Students need to develop a theme or concept of personal interest, devising challenges and posing visual problems to be explored creating a body of work with depth and breadth. Emphasis is on developing artistic vision, maintaining high personal expectations, meeting deadlines, and preparing work for public viewing. Weekly journal work, written self-reflection, group critique, and formal artistic statements are required components of this course. All AP students prepare a slide portfolio of work that meets the expectations for the College Board's AP Studio Art Portfolio Exam in one of the three portfolio areas: Drawing, 2D Design or 3D Design.

Level: AP

Grade: 11-12

Prerequisite: Advanced Drawing and Painting or three year of

Credit: 1

Work within Ceramics, Sculpture, Jewelry/Metals, Photography, or Graphic Design.

VA5200 Ceramics III

Ceramics students create functional forms and they explore sculptural power, while developing insights about beauty, and the journey of the personal creative process in one of mankind's earliest artistic undertakings. Students in Ceramics III expand skills, advance imaginative vision, and generating new ideas. . Each student artist is asked to make critical choices regarding subject, media, style, and execution Students will work in a mixed level grouping and engage in critiques, class discussions and exhibit work regularly.

Level: N

Grade: 10-12

Prerequisite: Ceramic I, II

Credits: .5

VA7300 Photography III

Photography III students focus on creating sophisticated, compelling images that illustrate their growing command of the tools and materials available to the photographer. Students are able to work in the analog and digital photography labs to construct strong portfolios of images that include landscapes, portraiture, documentary and invented images. Students engage in artistic thinking; problem solving, exploring ideas, judging work critically and realistically and reflecting on their individual growth as a photographer. Students will work in a mixed level grouping and engage in critiques, class discussions and exhibit work regularly. Cameras are available for loan if necessary. This class has a lab fee of sixty dollars. Financial assistance is available.

Level: N

Grade: 10-12

Prerequisite: Photography I, II

Credit .5

VA5300 Ceramics IV

Ceramics students form clay to create functional forms and sculptural power, while developing insights about beauty, and the journey of the personal creative process in one of mankind's earliest artistic undertakings. Students in Ceramics IV work on the development of a theme or concept of personal interest -- devising challenges and posing visual problems to be explored. They pursue this idea through a series or a body of works. Emphasis is placed on developing artistic vision, maintaining high personal expectations and preparing work for public viewing. Students will work in a mixed level grouping and engage in critiques, class discussions and exhibit work regularly. This class has a lab fee of forty dollars.

Level: N

Grades 10-12

Prerequisite: Ceramic I, II, III

Credits: .5

VA9600 Independent Study

Independent study requires a contract with the appropriate visual arts teacher. Students need to present a written proposal for their independent inquiry that will result in body of work prepared for exhibition. Credit determined by length of contract.

Prerequisite: Previous Visual Arts Course work and the permission of the instructor

Elective: 10-12

Credit: Minimum .5 Maximum 1



SC6100/VA6100 **Drawing for Understanding in Field Science**



In this cross-disciplinary course, students will build scientific knowledge about their immediate environment through observational drawing and field research. Using the principles of visual design and the scientific investigation, students will communicate their scientific knowledge to others through visually powerful images and forms. From the pre-historic drawings of bison in the caves of Lascaux, France to the anatomical studies of the 14th century Flemish physician, Andreas Vesalius to the incredible journals of Leonardo Da Vinci, people have used drawing to understand the natural world and to communicate that understanding to others.

In this course we will look at the natural world – the flora, fauna, history, and systems at play in real time field experiences. Student will engage in active discovery through observational drawing as the principal technique for recording data. Direct observation and construction of knowledge lies at the heart of what both scientists and artists do. Field trips and talks by visiting artists/scientists will supplement our studies. Students will build knowledge together through observation, drawing, discovery, discussion, and design. This course may be taken for .5 credit in the Visual Arts Department.

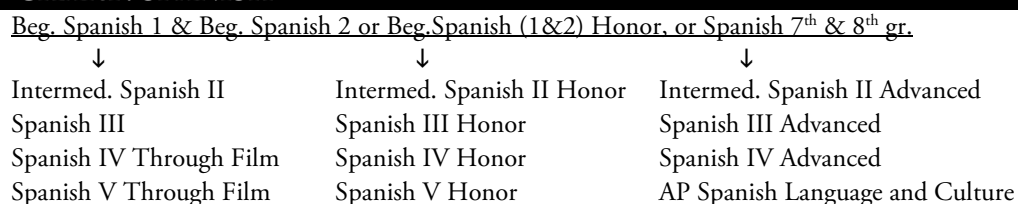
Level: N

Grade: 9-12

Credit: .5

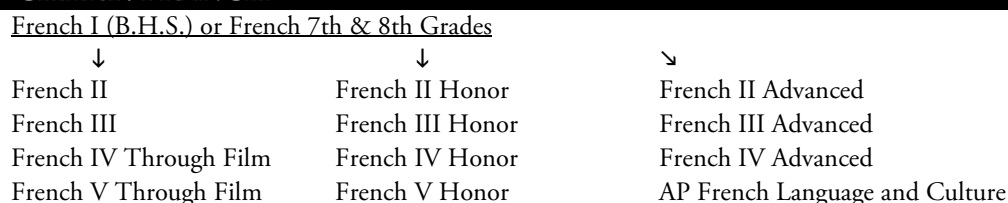
WORLD LANGUAGE

FLOW CHART: SPANISH



Additional Option: Medical Interpretation for Spanish Heritage Speakers, or students post AP Spanish.

FLOW CHART: FRENCH



Program Overview:

Brookline High School offers world language courses in Chinese, French, Japanese, Latin, and Spanish. All students studying a modern world language are grouped in a way that develops as fully as possible their communicative competency and familiarizes them with other cultures. The digital language laboratory helps students acquire greater proficiency in listening and speaking. Language lab work is considered a requirement in most of the courses.

At each level, the content of the modern language course is matched to the ability of the student to understand the spoken language, to speak it, to read a text or study a literary work, and to write the language with reasonable accuracy. All courses meet four periods a week with homework and laboratory work. Regular class attendance and participation are essential.

Our programs are designed to accommodate both those who had prior study and those who begin their study at the High School. Students with prior study are placed in classes which continue the development of their level of proficiency. They may study the language through Japanese 4 and French 5, Mandarin 6, Latin 5 and Spanish 5 (if enrollment warrants). To graduate from BHS students need at least 2 years of study in a world language. Many colleges require completion of 3 years of WL prior to admission.

Advanced Placement:

Students in AP courses are expected to take the College Board AP examination. Out of a possible score of 5, a score of 4 on the examination assures freshman college credit or advanced standing at many colleges that participate in the AP program. Any student can take the College Board AP examination.

Medical Interpretation:

Starting in 2012-2013 we started offering a new course: Medical Interpretation in Spanish (and Portuguese if enrollment warrants). See further information below.



CHINESE

WL0100 Chinese I (Mandarin)

MANDARIN I: An introductory course centering on the sound system and the practical use of the language. The reading and writing of Chinese characters are introduced. Chinese culture is presented through language experiences as well as interactive and hands-on activities. Topics include Chinese history, religion, holidays, calligraphy, painting, music, acupuncture, martial arts, and crafts.

Level: N

Grade: 9-12

Credit: 1

WL0200 Chinese II (Mandarin)

MANDARIN II: Reinforces and expands on the program developed in the first year of language learning. Character writing and accuracy in pronunciation are emphasized in this course.

MANDARIN II will be taught jointly with Mandarin II honor if enrollment is insufficient to justify separate classes.

Level: N

Grade: 9-12

Prerequisite: Chinese I or equivalent

Credit: 1

WL0230 Chinese II (Mandarin) Honor

MANDARIN II Honor: Reinforces and expands on the program developed in the first year of language learning. Character writing and accuracy in pronunciation are emphasized in this course. This course is designed to accommodate those students who have begun their study of Chinese in the elementary schools (grades 7 and 8) and/or who have strong skills after one year of study.

MANDARIN II Honor will be taught jointly with Mandarin II if enrollment is insufficient to justify separate classes.

Level: Honor

Grade: 9-12

Prerequisite: Chinese I or equivalent, recommendation of teacher only.

Credit: 1

WL0300 Chinese III (Mandarin)

MANDARIN III: Continues to improve the students' proficiency in all aspects of language acquisition. Chinese idioms and classic poems are also introduced through interactive activities.

MANDARIN III will be taught jointly with Mandarin III honor if enrollment is insufficient to justify separate classes.

Level: N

Grade: 10-12

Prerequisite: Chinese II or equivalent

Credit: 1

WL0330 Chinese III (Mandarin) Honor

MANDARIN III Honor: Continues to reinforce and expand on communication skills in the first two years of language and to improve the students' proficiency in all aspects of language acquisition. Students are involved in a limited number of realistic situations where they engage in conversation, provide and obtain information, express opinions as well as interpret written and spoken language. Students work on developing language learning strategies. Common everyday situations in China highlight the discussion about Chinese culture. Chinese idioms and classic poems are also introduced through interactive activities. This course will move at a faster pace, cover additional curriculum and have higher expectations for independent student learning than Mandarin III.

MANDARIN III Honor will be taught jointly with Mandarin III if enrollment is insufficient to justify separate classes.

Level: H

Grade: 10-12

Prerequisite: Chinese II honor or equivalent, recommendation of teacher only

Credit: 1

WL0400 Chinese IV (Mandarin)

MANDARIN IV: Continues to improve the students' proficiency in all aspects of language acquisition with particular emphasis on reading and writing. The students are encouraged to engage in conversations and interviews with native speakers and to increase their written accuracy. In addition, students will continue their study of Chinese poetry and classics.

MANDARIN IV will be taught jointly with Mandarin IV honor if enrollment is insufficient to justify separate classes.

Level: N

Grade: 11-12

Prerequisite: Chinese III or equivalent, recommendation of teacher only

Credit: 1



WL0430 Chinese IV (Mandarin) Honor

MANDARIN IV Honor: Continues to improve the students' proficiency in all aspects of language acquisition with particular emphasis on reading and writing. The students are encouraged to engage in conversations and interviews with native speakers and to increase their written accuracy. In addition, students will continue their study of Chinese poetry and classics.

This course will move at a faster pace, cover additional curriculum and have higher expectations for independent student learning than Mandarin IV.

MANDARIN IV Honor will be taught jointly with Mandarin IV if enrollment is insufficient to justify separate classes.

Level: H

Grade: 11-12

Prerequisite: Chinese III or equivalent, recommendation of teacher only

Credit: 1

WL0500 Chinese V (Mandarin)

MANDARIN V: Continues to improve the students' proficiency in all aspects of language acquisition with particular emphasis on reading of characters and writing pinyin. The course assists the student in becoming more aware of linguistic and cultural similarities and differences found in the Chinese world and the United States. Students will continue their study of Chinese poetry and classics.

MANDARIN V will be taught jointly with Mandarin V honor if enrollment is insufficient to justify separate classes.

Level: N

Grade: 11-12

Prerequisite: Chinese IV or equivalent, recommendation of teacher only

Credit: 1

WL0530 Chinese V (Mandarin) Honor

MANDARIN VH: Continues to improve the students' proficiency in all aspects of language acquisition with particular emphasis on reading and writing of characters. The course assists the student in becoming more aware of linguistic and cultural similarities and differences found in the Chinese world and the United States. Students will continue their study of Chinese poetry and classics. This course will move at a faster pace, cover additional curriculum and have higher expectations for independent student learning than Mandarin V.

MANDARIN VH will be taught jointly with Mandarin V if enrollment is insufficient to justify separate classes.

Level: H

Grade: 11-12

Prerequisite: Chinese IV H or equivalent, recommendation of teacher only

Credit: 1

WL0540 AP Chinese Language And Culture (Mandarin)

MANDARIN VAP: In addition to the Mandarin V Honor curriculum, students will prepare for the AP examination. They are expected to take the College Board Advanced Placement Examination in Chinese Language and Culture, which may qualify them for advanced placement, college credit, or both, depending on the policy of the college to which the student is admitted.

Mandarin 5, 5H, and 5AP will be taught jointly if enrollment is insufficient to justify separate classes.

Level: AP

Grade: 11-12

Prerequisite: Chinese IV H, or equivalent if teacher recommendation.

Credit: 1

WL0640 Chinese 6 Advanced (Mandarin)

Chinese 6 is an advanced Chinese course devoted primarily to the exploration of social, economic, and cultural topics related to China. After taking this course, students can expect to better communicate about recent changes in today's Chinese society. Students will research these topics using primary sources: newspaper articles, TV broadcasts, podcasts, and films. The main purposes of this course are to enlarge students' vocabulary, to improve students' reading speed and comprehension, to increase students' conversation skills through class presentation and class discussion, and to enhance students' writing ability through daily journal entries, weekly composition assignments, and a research project.

Level: Advanced

Periods per week: 4/first semester

Grade: 11-12

Prerequisite: Chinese 5 or AP, or equivalent if teacher recommendation

Credit: .50



FRENCH

WL1100 French I

The primary goal is to get students speaking and understanding French. The course focuses on the practical use of language, and activities are presented in meaningful, realistic contexts. Students are also introduced to the people and cultures of the French speaking world.

Level: N

Grade: 9-12

Credit: 1

WL1220 French II

Reinforces and expands on the program developed in the first year of language learning. Students engage in conversation and understand and interpret written and spoken language on a variety of topics. The study of the French culture and that of the Francophone world are integrated into the curriculum. A variety of materials such as short reading selections, transparencies, slides, films, videos, computer and CD-Rom programs supplement the text.

Level: N

Grade: 9-12

Prerequisite: French 7/8th Grade or French I HS

Credit: 1

WL1230 French II Honor

Further develops the communicative competencies of the students. Classroom activities are based on realistic situations so that students develop their level of proficiency as well as accuracy. The study of the French culture and that of the Francophone world are integrated into the curriculum. A variety of materials such as short reading selections, transparencies, slides, films, videos, computer and CD-Rom programs supplement the text.

Level: H

Grade: 9-12

Prerequisite: French 7/8th Grade or French I HS

Credit: 1

WL1240 French II Advanced

Classroom activities are based on realistic situations so that students develop their level of proficiency as well as accuracy. The study of the French and the Francophone world cultures is integrated into the curriculum, with frequent use of video and audio news broadcasts. A variety of materials such as transparencies, slides, films, videos, computer and CD-Rom programs supplement the text. This course moves at a faster pace than French 2H, and expects a higher level of independent learning and accuracy from the student.

Level: Advanced

Grade: 9-12

Prerequisite: French 7/8th Grade or French I HS

Credit: 1

WL1320 French III

Continues to reinforce and expand on communication skills learned from the first two years of language learning. Various media and activities are used to work toward the goal of communicative competency. Students are involved in a limited number of realistic situations where they engage in conversation, provide and obtain information, express opinions as well as interpret written and spoken language. Students work on developing language learning strategies. Common everyday situations in France highlight the discussion about French culture.

Level: N

Grade: 10-12

Prerequisite: French II

Credit: 1

WL1330 French III Honor

Learning to communicate in French is the major focus of the program and lessons stress the functional use of the language. Proficiency and issues of accuracy are assessed. The course continues listening comprehension and intensive speaking practice both in the classroom and in the language laboratory through the use of varied media. Students are expected to respond spontaneously to a wide range of conversational situations as well as to summarize and answer questions based on intermediate level readings. They are also required to write a number of personal and topical essays. Diverse aspects of French culture are discussed in connection with the selected readings.

Level: H

Grade: 10-12

Prerequisite: French II Honor

Credit: 1



WL1340 French III Advanced

Emphasizes communicative competency; therefore, the students are expected to seize all opportunities in and out of the classroom to practice the language (including language lab work). The students should be devoted to improving skills to a considerable level of fluency. They should also demonstrate curiosity for the cultures represented in the French speaking world. At this level, students expand their prior knowledge of French through literature, composition, and extensive work developing their fluency. This course moves at a faster pace than French III Honor, and expects a higher level of independent learning and accuracy from the student.

Level: Advanced

Grade: 10-12

Prerequisite: French II Advanced

Credit: 1

WL1420 French IV Through Film WL1520 French V Through Film (Taught Jointly)

FRENCH IV/V Through Film (YEAR I): Continues to emphasize and expand the communicative functions developed in the previous years and uses classic and modern French cinema as a vehicle for discussion and composition. The course assists the student in becoming more aware of linguistic and cultural similarities and differences found in the Francophone world and the United States. This course groups students who have completed either 3 or 4 years of the program. The curriculum is alternated so that the student continuing from the junior year to the senior year does not have a repeat of the same materials. YEAR II - The curriculum continues to be based on a variety of authentic videos. The course is designed to acquaint students with the language and culture in a more relevant and realistic format. The videos are used to illustrate the social, intellectual, and historical influence of the Francophone world upon the global society. Communicative skills are reinforced and increased.

Level: N

Grade: 11-12

Prerequisite: For FRENCH IV Through Film: French III; For FRENCH V Through Film: French IV Through Film

Credit: 1

WL1430 French IV Honor

FRENCH IV HONOR: Stresses the continued development of the student's ability to communicate in French on an intermediate level of proficiency. Students will be provided with varied opportunities to practice and improve their communicative competency. Fluency as well as accuracy is assessed. French poetry, short stories, plays or novels are studied at considerable length, with emphasis on the discussion of themes as they relate to the student's personal experience.

FRENCH IV HONOR will be taught jointly with French V Honor if enrollment is insufficient to justify separate classes. As is done in the Latin program, readings are alternated so that the student continuing in the course from the junior to the senior year does not have a repeat of the same material.

Level: H

Grade: 11-12

Prerequisite: French III Honor

Credit: 1

WL1440 French IV Advanced

Students are expected to comprehend, speak, read and write French with a considerable degree of fluency and accuracy. Various genres of literature are studied. Themes are discussed and students are expected to use French as a tool for thinking and learning. An advanced level of communication is reinforced. This course moves at a faster pace than French IV Honor, and expects a higher level of independent learning and accuracy from the student.

Level: Advanced

Grade: 11

Prerequisite: French III Advanced

Credit: 1

WL1520 French V Through Film

(Taught jointly with Fr. IV Through Film; please see the description for Fr. IV/V Through Film)

Level: N

Grade: 12

Prerequisite: French IV/Through Film

Credit: 1



WL1530 French V Honor

Emphasizes using the language as a tool for expressing ideas, interpreting literary genres and themes, and thinking more critically. A number of media sources (video and audio cassettes; audio CDs; DVDs; TV news programs; Internet/World-Wide Web) offer the students the opportunity to increase both their level of proficiency and accuracy.

French V Honor will be taught jointly with French IV Honor if enrollment is insufficient to justify separate classes. As is done in the Latin program, readings are alternated so that the student continuing in the course from the junior to the senior year does not have a repeat of the same material.

Level: H

Grade: 12

Prerequisite: French IV Honor

Credit: 1

WL1540 AP French Language and Culture

Designed for students who wish to pursue a comprehensive program which emphasizes using the language as a tool for reading, discussing, and thinking critically about a variety of cultural topics and literary works. Students are expected to write persuasive essays, respond to email inquiries, engage orally in everyday life conversations, and make formal oral presentations where they compare francophone culture and their own. This course moves at a faster pace than French V Honor, and expects a higher level of independent learning and accuracy from the student. Students are expected to take the College Board Advanced Placement Examination which may qualify them for advanced placement, college credit, or both, depending upon the policy of the college to which the student is admitted.

Level: AP

Grade: 12

Prerequisite: French IV Advanced

Credit: 1

JAPANESE

WL5100 Japanese I

This is an introductory course which focuses on the practical use of the language, and activities are presented in meaningful, realistic contexts. The reading and writing of Japanese characters (kanji) and syllabary (hiragana and katagana/romaji) are introduced. Japanese culture is presented through language experiences as well as interactive and hands-on activities. Japanese history, art, theater, music, religion, traditions, holidays, and festivals are discussed. Japan's role in the global market economy is introduced.

Level: N

Grade: 9-12

Credit: 1

WL5200 Japanese II WL5230 Japanese II Honor

Further develops the communicative competencies of the students. Classroom activities are based on real life situations so that students develop their level of proficiency as well as accuracy. The study of the Japanese culture is integrated in the curriculum. A variety of materials such as transparencies, slides, films, videos, and computer programs supplement the text. The honor class reinforces and expands character writing. This course moves at a faster pace than Japanese II, and expects a higher level of independent learning and accuracy from the student.

Japanese II will be taught jointly with Japanese II Honor if enrollment is insufficient to justify separate classes.

Level: N or H

Grade: 10-12

Prerequisite: Japanese I and teacher recommendation for Honor.

Credit: 1



WL 5300 Japanese III WL 5330 Japanese III Honor

Continues intensive reading and writing through the use of varied media. Learning to communicate in Japanese is the major focus, and lessons stress the functional use of the language in both informal and formal situations. Proficiency and issues of accuracy are assessed. Students are expected to respond spontaneously to a wide range of conversational situations as well as to summarize and answer questions based on a variety of readings. They are also required to read and write about 300 kanji characters in Japanese III and write personal and topical short essays. Diverse aspects of culture throughout Japan are discussed in connection with the selected lessons and readings.

The honor class focuses on reading and writing over 400 kanji characters. This course moves at a faster pace than Japanese III, and expects a higher level of independent learning and accuracy from the student.

Japanese III and Japanese III Honor will be taught jointly if enrollment is insufficient to justify separate classes.

Level: N or H

Grade: 11-12

Prerequisite: Japanese II Honor or teacher recommendation.

Credit: 1

WL5400 Japanese IV

Continues listening comprehension and intensive speaking practice both in the classroom and in the language laboratory through the use of available resources. Learning to communicate in Japanese is the major focus, and lessons stress the authentic use of the language. Proficiency and issues of accuracy are assessed. Students are expected to respond spontaneously to a wide range of conversational situations as well as to summarize and answer questions based on intermediate level readings. They will also be required to write a number of personal and topical essays, using intermediate level kanji. Diverse aspects of culture in Japan are discussed in connection with the curriculum.

Level: N

Grade: 11-12

Prerequisite: Japanese III, recommendation of teacher only.

Credit: 1

WL5430 Japanese IV Honor

This course moves at a faster pace than Japanese 4, and expects a higher level of independent learning and accuracy from the student. Students will be expected not only to identify about 500 kanji words but also to be able to produce at least 300 in a written form.

Japanese 4, 4H, and AP Japanese Language and Culture courses will be taught jointly if enrollment is insufficient to justify separate classes.

Level: H

Grade: 11-12

Prerequisite: Japanese III Honor, or equivalent if teacher recommendation.

Credit: 1

WL5440 AP Japanese Language and Culture

In addition to the Japanese IV Honor curriculum, students will prepare for the AP examination. They are expected to take the College Board Advanced Placement Examination in Japanese Language and Culture, which may qualify them for advanced placement, college credit, or both, depending on the policy of the college to which the student is admitted.

Japanese 4, 4H, and AP Japanese Language and Culture courses will be taught jointly if enrollment is insufficient to justify separate classes.

Level: AP

Grade: 11-12

Prerequisite: Japanese III Honor, or equivalent if teacher recommendation.

Credit: 1



LATIN

WL3100 Latin I

An introductory course without level designation centering on the language itself and its contributions to English and the Romance languages. Students learn to understand and interpret written and spoken Latin on a variety of topics. A major focus is reading authentic materials in Latin, including simple narratives, inscriptions, mottoes, graffiti, and adapted passages of mythology. The study of word derivations is an integral part of the course. Various aspects of Roman culture are studied - schools, houses, family life, the Forum, holidays, entertainment, and the geography of Italy and the Mediterranean World.

Level: N

Grade: 9-12

Credit: 1

WL3220 Latin II WL3230 Latin II Honor

A continuation of Latin I, with increasing emphasis on reading authentic texts, including selected short stories and brief passages from ancient authors such as Caesar, Martial, and Livy. While examining the contributions of Latin to the development of the Romance languages and English, students enhance their understanding of the nature of language through comparisons of Latin and English. Through comparisons between ancient Roman life and contemporary culture, students understand better human nature and their own world. Most importantly, students are encouraged to use Latin as a tool for developing the ability to think rationally.

Latin II and IIH are taught jointly if enrollment is insufficient to justify separate classes.

Level: N and H

Grade: 10-12

Prerequisite: Latin I

Credit: 1

WL3320 Latin III WL3330 Latin III Honor

Reinforces and expands on the first two years of language learning. These courses emphasize the multicultural world of the Romans. They examine the perspectives, products and practices of the Roman world through Roman literature. Readings are drawn primarily from major authors of the third century B. C. E. to the fourth century C. E. Students are encouraged to use the language as a tool for thinking and learning. While continuing to develop vocabulary skills and an understanding of Latin and English by comparing linguistic features, students also analyze the contributions of the Roman world to contemporary culture through research and class presentations.

Latin III and IIIH are taught jointly if enrollment is insufficient to justify separate classes.

Level: N or H

Grade: 11-12

Prerequisite: Latin II for III, or II H for III H

Credit: 1

WL3420 Latin IV WL3430 Latin IV Honor

LATIN IV & IV HONOR: In addition to the above, these courses focus on increasing proficiency and accuracy. Students read longer passages in authentic texts and read for information in the language. Student discussions focus on understanding the Romans through their written messages transmitted through time, and then on an increasing ability to articulate oneself and to understand others in a wide range of situations.

Level: N or H

Grade: 11-12

Prerequisite: Latin III for IV, and III H for IV H

Credit: 1

WL3520 Latin V WL3530 Latin V Honor

LATIN V & V HONOR: Offered only on those occasions when a student enters BHS with the equivalent of Latin I from prior study at another school. Students of Latin 5 and 5H read a number of authentic texts by various authors. Emphasis is placed on using the language as a tool for expressing ideas, interpreting literary genres and themes, and thinking more critically. Students have an opportunity to increase both their level of proficiency and accuracy.

Higher level classes are taught jointly if enrollment is insufficient to justify separate classes.

Level: N or H

Grade: 12

Prerequisite: Latin IV for V, and IVH for VH

Credit: 1



WL3540 AP Latin: Vergil

Advanced Placement Latin: Vergil—AP Vergil students read 1,856 lines of Vergil's *Aeneid*, following the AP syllabus. They also read selections from other authors in authentic texts to prepare for the sight reading section of the AP Vergil exam. Emphasis is placed on using the language as a tool for expressing ideas; interpreting literary genres, themes, and historical settings; and thinking more critically. Students have an opportunity to increase both their level of proficiency and accuracy in Latin and to learn more about the English language from comparisons with linguistic features of Latin. This level is taught at an accelerated pace and expects a high level of commitment and achievement from students. Students are also expected to take the College Board Advanced Placement Examination in Latin: Vergil. Scores of 3, 4, or 5 on the AP examination may qualify them for advanced placement, college credit, or both, depending upon the policy of the college to which the student is admitted.

It may also be combined with other higher-level Latin courses based on enrollment.

Periods per week: 4

Credit: 1

Prerequisite: Latin 3H/4H or the permission of the instructor or curriculum coordinator

SPANISH

WL4101 Beginning Spanish 1

Emphasizes communication- the ability to speak about oneself and request information from others. The course focuses on the practical use of Spanish, and activities presented in meaningful and realistic contexts. The student is introduced to the cultures and geography of Spanish-speaking countries.

Level: N

Grade: 9-12

Prerequisite: None (students with no prior knowledge of a second language).

Credit: 1

WL4102 Beginning Spanish 2

Expands on the ability to speak about oneself and goes beyond the self. The course focuses on the practical use of Spanish, and activities presented in meaningful and realistic contexts. The student is introduced to the cultures and geography of Spanish-speaking countries.

Level: N

Grade: 9-12

Prerequisite: Beginning Spanish 1, grade 7 Spanish, or staff/coordinator recommendation

Credit: 1

WL4130 Beginning Spanish (1&2) Honor

This is an extremely accelerated course that combines two years of Stage 1 Spanish into one year. Students develop the ability to speak about oneself and beyond the self. This course focuses on the practical use of Spanish, and activities presented in meaningful and realistic contexts. Students are immersed in Spanish from the first day of school. They are introduced to the cultures and geography of Spanish-speaking countries. This course is equivalent to the completion of Beginning Spanish 1 and Beginning Spanish 2.

Level: H

Grade: 9-12

Credit: 1

Prerequisite: No prior knowledge of Spanish but prior successful study of another foreign language recommended

WL4220 Intermediate Spanish II

Reinforces and expands communicative skills. Listening skills and basic speaking ability are further developed while the student's vocabulary is expanded, and accuracy is increased. Some short reading selections with emphasis on culture are included.

Level: N

Grade: 9-12

Prerequisite: grade 7/8 Spanish, Beg. Spanish 2, or Beg. Spanish (1&2) H

Credit: 1



WL4230 Intermediate Spanish II Honor

Reviews the communicative competencies of Beginning Spanish 1 while also presenting new items. Emphasis is on the process of communication. Culture and some history are integrated into the curriculum. During the second half of the year, short reading assignments are introduced to increase the students' vocabulary and improve their reading comprehension. Spanish II Honor primarily focuses on the acquisition of new communicative skills while reinforcing fluency and accuracy.

Level: H

Grade: 9-12

Prerequisite: Spanish 7/8th Grade, Beg. Spanish 2, or Beg. Spanish (1&2) H

Credit: 1

WL4240 Intermediate Spanish II Advanced

Expands and deepens the development of the communicative competencies. Spanish II AP is conducted in Spanish to increase the students' level of proficiency and fluency. Culture and some history emphasizing the perspectives and practices of the Hispanic world are integrated into the curriculum. Reading and discussion of authentic materials, as well as short stories and poetry, require students to use Spanish as a tool for thinking and learning. This course moves at a faster pace than Spanish 2 Honor, and expects a higher level of independent learning and accuracy from the student.

Level: Advanced

Grade: 9-12

Prerequisite: Spanish 7/8th Grade, Beg. Spanish 2, or Beg. Spanish (1&2) H

Credit: 1

WL4320 Spanish III

Works towards goals of communicative competency in realistic situations, where students will be expected to engage in conversation, provide and obtain information, express opinions, as well as understand and interpret written and spoken language. Examines the perspectives, products and practices of the Hispanic culture. Works on developing language learning strategies.

Level: N

Grade: 10-12

Prerequisite: Intermediate Spanish II

Credit: 1

WL4330 Spanish III Honor

Continues listening comprehension and intensive speaking practice both in the classroom and in the language laboratory through the use of varied media. Learning to communicate in Spanish is the major focus, and lessons stress the functional use of the language. Students are expected to respond spontaneously to a wide range of conversational situations as well as to summarize and answer questions based on intermediate level reading. They are also required to write a number of personal and topical essays. Diverse aspects of culture throughout the Spanish speaking world are discussed in connection with the selected readings.

Level: H

Grade: 10-12

Prerequisite: Intermediate Spanish II Honor

Credit: 1

WL4340 Spanish III Advanced

Presupposes the student's ability to communicate in Spanish with some degree of proficiency. Works of literature are introduced as a point of departure for discussions and written assignments. Communication in Spanish is stressed at all times and the students are expected to use the language as a tool for thinking and learning. This course moves at a faster pace than Spanish III Honor, and expects a high level of independent learning and accuracy from the student.

Level: Advanced

Grade: 10-12

Prerequisite: Intermediate Spanish II Advanced

Credit: 1

WL4420 Spanish IV Through Film WL4520 Spanish V Through Film (Taught Jointly)

SPANISH IV/V Through Film. The course also assists the student in becoming more aware of linguistic and cultural similarities and differences found in the Hispanic world. Based on a number of documentaries and feature films, the curriculum is developed to acquaint students with the language and culture in a more relevant and realistic format. The curriculum is alternated so that the student continuing from the junior year to the senior year does not have a repeat of the same materials. YEAR II - A video program is used to illustrate the social, intellectual, and historical influence of the Hispanic world upon the global society. Communicative skills are reinforced and increased.

Level: N

Grade: 11-12

Credit: 1

Prerequisite: for SPANISH IV Through Film: Spanish III for SPANISH V Through Film: Spanish IV Through Film

WL4430 Spanish IV Honor

SPANISH IV HONOR: Stresses the continued development of the student's ability to communicate in Spanish at an intermediate level of proficiency. Fluency as well as accuracy are assessed. Poetry, short stories and journalistic pieces are read and discussed, with emphasis on themes as they relate to the student's personal experience. In order that students develop knowledge and appreciation of the diverse cultures of the Spanish speaking world, they are presented with a variety of readings and media materials.

Level: H

Grade: 11-12

Prerequisite: Spanish III Honor

Credit: 1

WL4440 Spanish IV Advanced

Works on increasing proficiency, fluency, and accuracy. Students interpret literature and develop their understanding of other authentic materials such as television programs and periodicals. Emphasis is placed on expanding the students' communicative competency and communication in Spanish is expected at all times. The course builds the students' skills so that they can express themselves appropriately on a variety of topics, and can understand others in a growing range of situations. This course moves at a faster pace than Spanish IV H, and expects a higher level of independent learning and accuracy from the student.

Level: Advanced

Grade: 11-12

Prerequisite: Spanish III Advanced

Credit: 1

WL4520 Spanish V Through Film

(Taught jointly with Spanish IV Through Film ;please see the description for Sp. IV/V- Through Film)

Level: N

Grade: 12

Prerequisite: Spanish IV Through Film

Credit: 1

WL4530 Spanish V Honor

SPANISH V HONOR: Emphasizes using the language as a tool for expressing ideas, interpreting literary genres and themes, and thinking more critically. A number of media sources (documentaries; audio CDs; DVDs; TV news programs; full length films) offer the students the opportunity to increase both their level of proficiency and accuracy.

Level: H

Grade: 12

Prerequisite: Spanish IV H

Credit: 1

WL4540 AP Spanish Language and Culture

Designed for students who wish to pursue a comprehensive program which emphasizes using the language as a tool for reading, discussing, and thinking critically about a variety of literary and journalistic works. Students are expected to write their reactions to literature as well as their own original poems and stories. Oral presentations dealing with a number of socio-cultural topics are an integral part of the course. This course moves at a faster pace than Spanish V Honor, and expects a high level of independent learning and accuracy from the student. Students are expected to take the College Board Advanced Placement Examination in Language which may qualify them for advanced placement, college credit, or both, depending upon the policy of the college to which the student is admitted.

Level: AP

Grade: 12

Prerequisite: Spanish IV Advanced

Credit: 1



WL4630 Course: Medical Interpretation and Translation Spanish

WL6630 Course: Medical Interpretation and Translation Portuguese



The primary goal of the year-long course entitled Medical Interpretation and Translation (MIT) Program is to qualify students as interpreters within the healthcare field. This course is designed for students with advanced to superior proficiency in both English and another language. (The first languages to be introduced to the program will be Spanish, and possibly Portuguese depending on enrollment. In future years we are considering adding other languages that have a high representation at the high school such as Haitian Creole.) The curriculum and instructional strategies will be adapted from materials designed by Cross Cultural Communications, a nationally recognized organization dedicated to training interpreters. Students will develop an understanding of the role of the interpreter as a language bridge between patient and provider. They will become aware of the cultural, linguistic and personal aspects of accurate interpretation. Units of study include the terminology of body systems and illnesses, ethics, local and national laws governing interpreting practice, the culture of medicine, the ethnic cultures of the populations being served, and the culture of being a professional interpreter. These topics will be studied through readings, DVDs, class discussions and simulated interpreting practice. This program includes listening comprehension and intensive speaking practice in the classroom and in the language laboratory through the use of varied media. Students are expected to respond spontaneously to a wide range of conversational situations. The culminating project will be an internship in a local hospital.. A student can present this certificate to potential employers as documentation of their experience.

Level: H

Credit: 1 in WL or CTE

Prerequisite: seniors (17 years of age at time of Sem2 internship), teacher recommendation based on language proficiency

WINTHROP HOUSE

MATH @ Winthrop House

MA5100 Math 1/Math Review

An introductory examination/review of geometric relationships, including parallel lines, congruent and similar figures, trigonometry of right triangles, circles, and area and volume formulas. There are also units on probability and analysis of graphs. This course can be taken for Math I credit or as Math Review, and is offered based on student enrollment.

Level: N

Credit: 1

MA5200 Math 2

An introduction to second-year algebra as well as a continuation of a topical approach to probability and discrete math. We will briefly review basic algebra, revisit graphing techniques and coordinate geometry, and develop understanding of linear equations, systems of linear equations and inequalities, matrices and determinants, quadratic equations, parabolas, and fundamental notions of functions and exponents. This course is offered based on student enrollment.

Level: N

Credit: 1

MA5600 Intermediate Math

An extension of Math 2 for students who need additional time to master skills. Building on students' individual performances in Math 2, we will revisit and reinforce, as needed, topics covered in the Math 2 curriculum: review of basic algebra, graphing techniques and coordinate geometry, linear equations, systems of linear equations and inequalities, matrices and determinants, quadratic equations, parabolas, and fundamental notions of functions and exponents. This course is offered based on student enrollment.

Level: N

Credit: 1

MA5300 Math 3

A further study of algebra and functions and their properties, as well as a topical approach to probability and discrete math. The fundamental notion of functions, inverse functions, powers, roots, radicals, and exponential, logarithmic, polynomial, and rational functions are examined. Additional units cover quadratic relations and arithmetic and geometric sequences and series. This course is offered based on student enrollment.

Level: N

Prerequisite: Math 2 (Intermediate Math)

Credit: 1

MA5400-01 Math 4/Statistics

An introductory study of how numerical data may be analyzed as an aid in decision-making. Topics include data presentation and analysis of one and two variables, normal distribution, t-distribution, sampling methods and experimental design, linear regression, coefficient of correlation and statistical inference including significance tests and confidence intervals. Students frequently use a TI-83 in class.

Level: N

Grade: 11,12

Credit: 1

SOCIAL STUDIES @ Winthrop House

SO6100 World History: The Pre-Modern Era

Students studying World History will learn the skills necessary to analyze cause and effect, to compare multiple perspectives, to recognize the role of human agency in history, and to discern the impact that economic, social, political, religious and philosophical forces have had on civilization. They will learn to analyze works of art and literature from a variety of cultures and historical periods. The Pre-Modern Era focuses on the world's history from the Early Chinese period through 1500 C.E. This course is offered based on student enrollment.

Level: N

Credit: 1



SO6200 World History: The Modern Era

Students studying World History will learn the skills necessary to analyze cause and effect, to compare multiple perspectives, to recognize the role of human agency in history, and to discern the impact that economic, social, political, religious and philosophical forces have had on civilization. They will learn to analyze works of art and literature from a variety of cultures and historical periods. The Modern Era focuses on the world's history from the time of the Columbian exchange through the Twentieth Century. This course is offered based on student enrollment.

Level: N

Credit: 1

SO6300 United States History

This course is designed to survey the major topics of American History. Students are introduced to vocabulary, major figures, and the issues and conflicts that shaped this country's historical development both socially and politically. Additionally, U. S. geography and current events are stressed as they relate to the historical perspective. Students are helped to develop decision making skills and problem solving techniques on an individual and cooperative basis. This course is offered based on student enrollment.

Level: N

Credit: 1

SO6600 Contemporary History

This course is designed to take an in depth look at the events of the 20th century in American history. Students are introduced to vocabulary, major figures, and the issues and conflicts that shaped this country's historical development both socially and politically. They will be encouraged to form opinions and express them in both class discussions and in written work. This course is offered based on student enrollment.

Level: N

Credit: 1

SO6800 Philosophy: The Meaning Of Life

This one semester course explores some of the big questions in life: What is happiness? Is it possible to be happy? Does life have a purpose? What does it mean to live well? What if there are no reasonable or definite answers to these questions? We will read and discuss attempts to grapple with these questions from a variety of philosophers including Plato, Descartes, Kant and Sartre. In addition to considering what others have said, students will be encouraged to formulate their own answers, and to examine how their background, family, and community have shaped their perspectives. The format of the course is discussion-based, and it is open to all seniors.

Level: N Grade: 11, 12

Prerequisite: Junior or Senior standing

Credit: .5

SCIENCE @ Winthrop House

SC7100 Physics

This course is designed to present an examination of the laws and principles of physics, including topics in mechanics, electricity, magnetism, and wave phenomenon. This course is offered based on student enrollment.

Level: N

Credit: 1

SC7200 Biology

This course encompasses the study of the structure of organisms and how they function. Major topics include the nature of science, biochemistry, heredity, evolution, and ecology. Body systems are integrated throughout the curriculum. The course begins at the molecular level and culminates with the focus on interactive lectures, laboratory exercise, and class discussion and applications to everyday life experiences. This course is offered based on student enrollment.

Level: N

Credit: 1

SC7300 Chemistry

Chemistry deals with the structure of matter, its properties, and changes in properties as a result of chemical reactions. Emphasis is placed on the physical world involving atomic theory, energy relationships, and chemical reactions. Laboratories are exploration based, using everyday materials. Written laboratory reports are a significant part of course requirements. This course is offered based on student enrollment.

Level: N

Credit: 1



SC7400 Environmental Science :

This full year course is seminar based that foster scientific literacy, critical analysis of current issues, responsible local and global citizenship. The course provides a way in which students can become aware of the interaction of people and their environment. The curriculum focuses on concepts that are real-life issues. It provides awareness and understanding of practical everyday problems that affect their lives. It also relates important environmental issues to their lives and their community.

Level: N

Grade: 11, 12

Prerequisite: Junior or Senior Standing

Credit: 1

ENGLISH @ Winthrop House

EN8100 English Workshop

Freshman course. Students explore connections between the literature they read and their own life experiences. Writing instruction focuses on the summary, the narrative and the personal essay. This course is offered based on student enrollment.

Level: N

Credit: 1

EN8200 World Literature

Sophomore course. Students study key works of literature from various world cultures, ancient to modern, using a humanities approach. Writing instruction focuses on the précis, the summary, the essay, and the 2 to 3 page paper. This course is offered based on student enrollment.

Level: N

Credit: 1

EN8300 American Literature

Junior course. Students study American literature in historical and cultural context, identifying recurrent themes. Writing instruction focuses on the précis, the summary, the essay, and the 4-5 page paper. This course is offered based on student enrollment.

Level: N

Credit: 1

EN8400 Literature Of The Modern Era - A

Mixed grade level course. Selected literature reflects the multiculturalism of our modern era: the poetry, short stories, novels, and drama of world authors. Reading selections differ from those in Literature of the Modern Era - B. Essays and short papers are required. This course is offered based on student enrollment.

Level: N

Credit: 1

EN8800 Literature Of The Modern Era - B

Mixed grade level course. Selected literature reflects the multiculturalism of our modern era: the poetry, short stories, novels, and drama of world authors. Reading selections differ from those in Literature of the Modern Era-A. Essays and short papers are required. This course is offered based on student enrollment.

Level: N

Credit: 1

EN8500 Senior English

Grade 12 only. A survey course focusing on close reading in multiple genres, review of skills necessary for post-secondary success, and the writing of the senior paper.

Level: N

Credit: 1

EN8600 Independent English

This contract-based, independent tutorial allows a student to earn English credit when scheduling or other circumstances prevent enrollment in a regularly scheduled English class. After an initial evaluation to determine his or her level of proficiency, the student and teacher review an appropriate menu, then create an individualized work schedule and list of required products. The student completes work independently, meeting weekly with the teacher to receive instruction, review work completed, and discuss his or her progress.

Level: N

Periods per week: 1 + independent work time

Credit: .25- 1



WORLD LANGUAGES @ Winthrop House

WL4400 Beginning Spanish 1

{See WORLD LANGUAGE section of BHS Course Catalog for course description}

This course is offered based on student enrollment.

Level: N

Credit: 1

WL4500 Beginning Spanish 2

{See WORLD LANGUAGE section of BHS Course Catalog for course description}

This course is offered based on student enrollment.

Level: N

Credit: 1

HEALTH and FITNESS @ Winthrop House

HF1100 Small Group Physical Education

This course is designed to match instruction to the skills and interests of the students. Students develop skills for lifetime activity including social, cognitive and physical skills, while meeting the category D graduation requirement. Required course for one semester each school year.

Level: N

Periods per week: 2

Credit: .25

THERAPEUTIC/GUIDANCE COMPONENT @ Winthrop House

TU9000 Tutorial

This class provides academic monitoring and assistance five times per week in a supportive learning environment with a low student/teacher ratio. With their Tutorial teacher, students identify specific focus areas for improving academic performance and develop strategies and ideas to maximize their intellectual potential.

Class time per week: 120 min

Credit: .25 per semester

TU0320 Sophomore Seminar TU0330 Junior Seminar TU0340 Senior Seminar

Seminar Courses involve students in four different sessions: (1) a weekly group run by clinical personnel, (2) a weekly community meeting which promotes group interactions and fosters communication skills, (3) a weekly meeting with staff mentors and (4) a weekly transition workshop. Transition workshops help students learn to negotiate the social, emotional, and academic transitions inherent in adolescence, cope with the individual challenges which brought them to Winthrop House, and develop plans for life beyond high school.

Full year course.

Level: N

Credit: 1.0

TU0400 Study Skills

This course is designed to allow students to complete homework assignments with the support of Winthrop House Staff. Depending on the needs of individual students, staff will review strategies for academic improvement including organizational and study skills.

Level: N

Periods per week: 1-4

Credit: .25 - 1



OPTIONS in Core Academic Areas @ Winthrop House

TU0430 Independent Study

The independent study option allows a student to earn academic credit when scheduling or other circumstances prevent enrollment in a Winthrop House or main campus class. Only students who have consistently demonstrated the ability to work independently will be approved for this option. Independent Study may take the form of a tutorial monitored by a Winthrop House staff member, or may involve study at an outside source within the community: for example, a class at a post-secondary school, college, or university, or a course run by a community agency or adult education program. Once the student has been approved for Independent Study, a Winthrop House mentor is assigned and a contract is prepared, clearly specifying requirements for earning credit and any outside documentation needed.

Level: N Periods per week: independent work Credit: .25- 1 + contact with mentor

SO6400 Psychology

An introduction to Psychology. Topics covered include: developmental stages of the life cycle, functions of the mind, learning, memory, language, learning disorders, theories of human behavior, psychological disorders, stress and health, and an overview of the major schools of therapy. In addition to a brief introduction to these topics, subjects of particular interest to the class will be covered in greater depth. A one semester course which may be taken more than once.

Level: N Periods per week: 2 Credit: .25

SO6500 World and Society

This course is designed to give students an exposure to the issues and events taking place in the world today. Students will explore contemporary issues from a historical perspective using background material, research, and current periodicals. After exploration of the topic, students will engage in class discussions to present their points of view. A one semester course, which may be taken more than once.

Level: N Periods per week: 2 Credit: .25

SC7500 Animal Behavior

This course explores the way in which animals respond to changes in their environment and how they interact within and between populations. Topics to be covered are learning, communication, paternal behavior, finding a mate, defense against predation, and aggressions.

Level: N Periods per week: 2 Credit: .25

EN8700 Creative Writing

This course encourages students to experiment with various forms of creative writing as each discovers his or her individual voice and develops a personal writing style. Students enrolled in this course during second semester serve as associate editors of *Dreamless Haven*, the Winthrop House literary journal. A one semester course which may be taken more than once.

Level: N Periods per week: 2 Credit: .25

ELECTIVES: in Career and Tech Ed/Community Service

CE5400 Tech Lab

An exploration of the uses of technology in today's society, including how computer hardware works, an understanding of the origin and uses of the Internet, an understanding of the structure of a web page, familiarity with HTML programming language, and the uses and structure of a multimedia presentation. Individualized, one semester course. May be taken more than once. Course offered based on student enrollment.

Level: N Periods per week: 2 Credit: .25

CE5500 Computer

In this course, which emphasizes visual thinking and learning, students will work toward proficiency in use of the computer for word processing, drawing, painting, database, and spreadsheet. Individualized, one semester course. May be taken more than once. Course offered based on student enrollment.

Level: N Periods per week: 2 Credit: .25



CE8900 Technical Writing

This course trains students to convey information effectively in a business setting, whether on paper or online. Students examine User Guides, Operator's Manuals, Technical Reference Manuals, Proposals and Reports, then produce technical writing of their own. Microsoft Word, Microsoft Power Point, Microsoft Excel, and Adobe Page Maker are some of the tools students learn to use. A one semester course which may be taken more than once. This course may be used for Tech Ed or English credit.

Level: N

Periods per week: 2

Credit: .25

CE9300 Day Care

This program is designed for students who are interested in working with infants, toddlers or preschool aged children in the Brookline Staff Child Care Center for at least two class periods per week. Students arrange weekly contact with a designated WH staff member in support of their experience, as well as periodic meetings with day care staff. This course is offered based on student enrollment.

Level: N

Periods per week: 2-8

Credit: .25-2

CE4100 Work Study

This program is designed to help students benefit from work experience. Students receive credit for working at least 12 hours per week. Requirements include periodic conferences with the Work Study Coordinator and regular evaluations by the work site supervisor.

Level: N

Hours per week: 12 hours.

Credit: .25-1

CE4200 Community Service

This option, designed to offer students opportunities to be of service to the local community, may be offered as service sites become available. Once the student has been approved for Community Service, a Winthrop House mentor is assigned and a contract is prepared, clearly specifying requirements for earning credit and any outside documentation needed.

Level: N

Hours per week: varies as per contract

Credit: .25-1

ELECTIVES in Visual Arts @ Winthrop House

VA9100 Film Study

This class will study the elements that make up films. Students will view films, discuss and critique films, and write reviews. A one semester course which may be elected more than once. Course offered based on student enrollment.

Level: N

Credit: .5

VA9200 Art

This course exposes students to techniques in a variety of fine arts areas: painting, drawing, collage, interior decoration, and crafts. A one semester course which may be elected more than once. Course offered based on student enrollment.

Level: N

Periods per week: 2

Credit: .25



AFRICAN-AMERICAN & LATINO SCHOLARS PROGRAM

TU1209 African-American & Latino Scholars Program Seminar Grade 9

TU1210 African-American & Latino Scholars Program Seminar Grade 10

TU1211 African-American & Latino Scholars Program Seminar Grade 11

TU1212 African-American & Latino Scholars Program Seminar Grade 12



the brookline high school 21st century fund

The AALSP Seminars are designed to help Scholars reach the three central objectives of the program: higher student grade point averages, increased pupil enrollment in honors/Advanced Placement classes, and acceptance into the National Honors Society. To this end, the AALSP Coordinator teaches these courses collaboratively with a BHS math and English teacher. Class time is divided between previewing and reviewing material covered in the pupils' core academic classes and helping students develop identities as scholars. As students progress through the grade level seminars, the focus of the classes shift more toward helping them as they prepare for standardized testing and the college application and selection process.

Level: N

Grade: 9-12

Prerequisite: Admission into the African-American & Latino Scholars Program

Credit: .5 per semester

COMMUNITY SERVICE

IS8201 Community Service

The Community Service Program instills in our students awareness, understanding, and appreciation of the community, the value of citizenship, and the responsibility of each citizen to help others for the benefit of the community. The program makes opportunities available for service learning both inside and outside the high school. Volunteer experiences within the school community may include being a peer buddy or job coach to a special needs student, tutoring a fellow student one or two hours a week, providing secretarial support, recycling, serving as a peer educator, or tutoring and mentoring an elementary school youngster. Volunteer experiences outside the school community may include working as an aide in an extended day program, library, animal shelter, hospital, nursing home, museum, food pantry or shelter, or shopping for the elderly. Programs are individually arranged and must be approved by the coordinator ahead of time in order to gain credit. Hours of service must be verified by a supervisor in the school or agency. An approved volunteer program carries from one quarter credit for 50 hours up to one full credit for 200 hours served in one year. Credits are recorded, along with a Pass, on the student's transcript. Students can receive up to one credit of Community Service each year on their transcript. However, only one credit will count toward the graduation requirement of three credits from three of the following program areas: Career and Technology Education, Community Service, Performing Arts, and Visual Arts.

Level: N

Credit: TBD

METCO

TU1100 METCO Academic Center

METCO Academic Center is designed to hone students' academic and social skills in order to help them improve their academic performance. This course offers a range of academic and social supports to enhance the growth and development of our students. The focus of the METCO Academic Center is for students to develop a more clear understanding of their own educational goals and priorities. Further this class is designed to help students become highly motivated and independent learners. In order to fully benefit, students must demonstrate a commitment to their academic and social development.

Level: standard

Credit: .5 credit per semester



SUBSTANCE ABUSE/VIOLENCE PREVENTION

VP2000 Peer Leadership and Community Action

This course will build on hf, peer education, providing students with opportunities through the year to share their knowledge about the health and social issues affecting youth in a variety of settings. In particular, presentations will focus on issues including: tobacco, alcohol and drug use; gender roles in the media; sexual harassment; sexual assault; power and abuse in relationships; violence prevention; and cultural diversity.

Students will be expected to develop independent learning opportunities through the media and other resources to continue their own education on these issues, and to share their knowledge with classmates in classroom discussions and formal presentations. Assignments will include preparation and presentation of substance abuse and violence prevention programs for middle school and high school classes, parent groups, teachers, and other community forums. Techniques to be used may include didactic presentations, panel discussions, arts/dramatic performances, role play and other interactive exercises, web sites, and video presentations. Discussions of the current substance abuse and violence prevention issues effecting teens in Brookline will deepen students' self awareness of their own values and healthy decision making as they strive to serve as role models in the community. Only students who are committed to the prevention of underage drinking and drug use, and who do not use alcohol or any other illegal drug, may be accepted into this course. Students must complete a peer leadership application and sign a no use contract in order to be in the class.

Prerequisite: HF Peer Education, or SADD and permission from the teacher.

Full year course , Z block

Limit: 20 Students

Credit: 1
Grades 11-12

BHS TUTORIAL

TU100X Freshman Tutorial

TU200X Upper Class Tutorial 10- 12

With a ten to two student/teacher ratio, Brookline High School Tutorial is a one-credit class providing content area support and academic monitoring within a supportive learning community. Tutorial goals are reviewing course content for increased comprehension and strengthening underdeveloped study skills. In collaboration with their Tutorial teachers, students identify specific focus areas for improving academic achievement such as test preparation, reading comprehension, composition development, and organization skills. Class time is divided between individual consultation with a Tutorial teacher and independent practice where the student implements recommended prescriptive strategies.

Level: N

Period per week: 4

Grade: 9-12

Pre-requisite: Recommendation from Dean's Team

Credit: 1

