

BHS English Classes Guide (25/26) Grade 8 to Grade 9

There are three choices for English classes at BHS for 25/26.

1) EN 1100 Humanities (Earned Honors Credit): Our newest course is fully differentiated, community-focused, and designed to serve the interests of all students as they transition to 9th grade from 8th grade. It includes tie-ins to the WHISP Social Studies course and four community based events.

- Each quarter, students can choose their challenge levels for reading, writing, and speaking assessments. **Students who chose the harder work for three of the four quarters will receive the “Honors” designation on their transcript to indicate that they earned Honors credit for the course by the end of the year.**
- This course includes three off-campus field trips linked to the curriculum: a “Story Hunter” guided tour of the Isabella Stewart Gardner Museum, a play at the American Repertory Theater, and a historical tour of Chinatown & luncheon.
- The course also includes a Food Truck Party and Memoir Performance in conjunction with our reading of the memoir *Notes from a Young Black Chef*
- All units are fully differentiated and designed in conjunction with our special educators and consultants from Landmark Outreach. (e.g. schema activators, templates, sentence starters/sentence frames, scaffolds, and options for guided reading questions for notetaking).
- In all of our English courses, students complete 10-12 drafted writing pieces.
- Some sections of this course will use a co-teaching model.
- **Note: for 24/25, we anticipate 70%-80% of students will earn Honors credit for this course.**

2) EN1030 Responding to Literature (Honors Level): This is an English course we have offered for more than 20 years.

- Most texts in this course are taught in whole-class text format. It features mostly the challenging texts from the Humanities course.
- This course features minimal differentiation.
- In all of our English courses, students complete 10-12 drafted writing pieces over the course of the year.

3) EN 1020 Responding to Literature (College Prep/Standard Level): This is a course we have offered for more than 20 years.

- Most texts in this course are taught in whole-class text format. It features the less challenging texts from the Humanities course.
- Similar to the Humanities course, this course offers pedagogical supports recommended by Landmark Outreach.
- In all of our English courses, students complete 10-12 drafted writing pieces over the course of the year.
- *Note: This course did not run 24/25 due to insufficient enrollment, but we will offer it in 25/26 if we have enough interested students.*

Questions?

Contact john_andrews@psbma.org (John Andrews, Curriculum Coordinator, BHS English)

BROOKLINE HIGH SCHOOL MATH DEPARTMENT

Department Coordinator: Joshua Paris

joshua_paris@psbma.org
617-713-5168



I. Overview of the BHS Math Program

Level	Gr. 9	Gr. 10	Gr. 11	Gr. 12
College Prep	Geometry	Algebra 2	Trig. & Analysis	<ul style="list-style-type: none"> ● Foundations of Calculus ● Statistics ● Data Science & Social Justice ● Perspectives of a Mathematical Mind
Honors	Geometry Honors	Algebra 2 Honors	Precalculus Hon.	<ul style="list-style-type: none"> ● AP AB Calculus ● AP Statistics
Advanced	Geometry Advanced	Algebra 2 Advanced	Precalculus Adv.	<ul style="list-style-type: none"> ● AP BC Calculus ● AP Statistics
IMP		IMP2 Honors	IMP3 Honors	IMP4 Honors

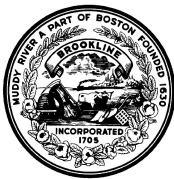
II. 9th Grade Options:

Geometry (MA1020), Geometry Honors (MA1030), Geometry Advanced (MA1040)

- Similarities between the courses:
 - Curriculum
 - All courses teach the same topics: Functions, Coordinate Geometry, Linear Programming, Congruence, Similarity, Right Triangles & Trigonometry, Circles, Linear Regression
 - Geometry Advanced teaches one extra unit: Symbolic Logic
 - Pedagogy
 - Direct Instruction and ...
 - Lots of collaborative learning experiences
 - Retakes
 - Many assessments can be retaken in all three courses

- Differences in the courses:
 - Complexity and Pace
 - Amount of homework
 - Challenge of assessments
 - Level of scaffolding
 - Grading: Percentage of grade determined by assessments vs. homework completion

- Students can change levels after 9th grade
 - There is a “leveling up” process to prepare students for a more challenging level



Brookline High School

Science Department

115 Greenough Street

Brookline, MA 02445

(617) 713-5365

Dear Guardians and Parents of 8th Graders,

The science courses offered at Brookline High School for 9th grade students are *Physics I* and *Physics I Honor*. After completing one of these courses, students then take Chemistry followed by Biology. Following the completion of these three core subjects, students can choose from the many optional science courses that Brookline High offers.

Physics I is a robust course designed to ground students in introductory physics. The course fosters a keen interest in science and a desire to inquire about real-world applications of physics. Topics include energy, vibrations/waves, heat, electricity/magnetism, and mechanics. In addition to learning physics content, there is an emphasis on mastering the scientific skills that will provide a strong foundation for science courses in future grades. There are frequent hands-on activities and projects, with opportunities to go more in depth. After building skills in Physics I, students may elect to enroll in an honor level chemistry course in the tenth grade.

Physics I Honor covers the same content and concepts as Physics I but in greater depth, at a faster pace, and with more mathematical applications including solving multi-step problems. Students in Physics I Honor should have a strong interest in science, be able to learn independently, work well in groups, and have strong self-advocacy skills. It is recommended that students are concurrently enrolled in Geometry Honors or Geometry Advanced.

Sincerely,

Briana Brown, Ph.D.

Interim Curriculum Coordinator for Science 9-12

briana_brown@psbma.org

<i>BHS Science Course List and Sequence</i>		
<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>
Physics I Physics I Honor	Chemistry 1 Chemistry 1 Honor	Biology 1 Investigative Biology /Investigative Biology Honor Biology 1 Honor
<i>Optional Courses</i> (primarily for senior, with some exceptions assuming prerequisites have been met*)		
Astronomy	AP Physics*	Engineering Innovation and Design Honor
Anatomy & Physiology	Biomedical Science	Engineering By Design*
AP Biology	Forensic Science	Climate Science and Social Change
AP Chemistry*	Neuroimmunology Honor	The History and Science of Sex, Gender, and Sexuality
AP Environmental Science	Marine Science	Drawing for Understanding in Field Science*

See *BHS Course Catalog* for prerequisites and recommendation for courses.

Please flip over for a more nuanced comparison of Physics I and Physics I Honor.

Generalized course profiles

Physics I	Physics I H
<ul style="list-style-type: none">● Basic algebra skills are scaffolded (similar to College Prep and Honor Geometry)● Teacher-modeling of tasks and problem solving● Lab exercises/activities are scaffolded● Retakes are possible for quizzes and lab reports (but not for tests)● Grading: 65% assessments + lab reports, 35% non-assessment assignments (eg homework, in-class exploratory labs)● Pacing is slower than Physics I H allowing more time to review and practice in class● Assessments are similar to practice done in class and on homework● Smaller class sizes; more individualized support from the teacher	<ul style="list-style-type: none">● Requires strong algebra skills (similar to Advanced-level Geometry and harder problems in Honor Geometry)● Independent multi-step problem solving● Lab exercises/activities are inquiry-driven with limited scaffolding● Retakes are not allowed for assessments● Grading: 80% assessments + lab reports, 20% non-assessment assignments (eg homework, in class exploratory labs)● Complexity and pacing of content is increased over Physics I● Assessments are designed to apply physics concepts to novel situations they haven't seen in class● Larger class sizes; therefore students must be more comfortable collaborating with and learning from peers

The Physics faculty have created a self-assessment survey to help students choose the course that suits them best. Both the tiny URL and the QR code below will take you to a copy of that self-assessment.

<https://bit.ly/4hyBEsm>



BHS Social Studies FAQ

Welcome to BHS Social Studies! We offer an outstanding, thoughtful Social Studies education to our students over all four years of high school. This document is designed to introduce you to our Social Studies curriculum.

What course should my incoming 8th grader take?

All 9th grade students will enroll in our 9th grade course called World History: Identity, Society and Power (WHISP).

What is this course about?

This course is designed to teach students about the pre modern world through a thematic approach. See below to familiarize yourself with our course units, case studies, and essential questions.

<p>Unit One: Power</p> <p><i>Essential Questions:</i> Who has power and why? How do leaders justify their power?</p> <p><i>Case Studies:</i> Song Dynasty in China Feudalism in Japan</p>	<p>Unit Two: Religion</p> <p><i>Essential Questions:</i> How do societies create community? What does it mean to be part of a community?</p> <p><i>Case Studies:</i> The Development of World Religions: Hinduism, Monotheisms (Judaism, Christianity, Islam)</p>
<p>Unit Three: Wealth</p> <p><i>Essential Questions:</i> How do civilizations get rich? What are the consequences of wealth?</p> <p><i>Case Studies:</i> African Trade Empires Colonization, Slavery, & Resistance</p>	<p>Unit Four: Challenging Authority</p> <p><i>Essential Questions:</i> What is the role of the individual in society? What does it mean to challenge authority?</p> <p><i>Case Studies:</i> The Protestant Reformation The European Enlightenment</p>

What makes this class unique in the freshman year?

WHISP is a class that all 9th graders take, giving us the valuable opportunity to complete class-wide projects each quarter that bring students from all of our elementary/middle schools together. It's not uncommon for classes with different teachers to combine and share experiences with each other during these big projects.

Will WHISP prepare 9th graders for the different levels offered in 10th grade and beyond?

Absolutely. Our WHISP class is *specifically* designed by our BHS teachers (who teach other levels and subjects in the department) to give our 9th graders their first-ever unified experience in Social Studies so that every student starts out 10th grade ready with the skills necessary to succeed in whatever level they choose.

What classes can 9th graders look forward to in their next 3 years at BHS?

Required courses

<p>10th: World History II: The Modern World</p> <ul style="list-style-type: none"> ● Standard ● Honors <p>10th: Global Studies</p> <ul style="list-style-type: none"> ● Mixed level Honors/Standard 	<p>11th: United States History</p> <ul style="list-style-type: none"> ● Standard ● Honors ● Advanced Placement <p>11th: American Studies</p> <ul style="list-style-type: none"> ● Mixed level Honors/Standard
<p>Social Justice Leadership [application required] [unleveled] Available to 10-12th grade *Grade 10 and 11 students would enroll in this course <i>in addition</i> to their core history class</p>	

Electives: Year Long Courses: Available to rising 12th grade

AP or Honors African American Studies
Climate Science and Social Change [unleveled]
AP Human Geography
Justice in Action [honors/unleveled]
Psychology [honors/unleveled]
AP US Government and Politics

Electives: 1 semester courses — these count towards graduation credit requirements (descriptions below)

Available to rising 11th grade	Available to rising 12th grade
Economics [honors/unleveled; Fall and Spring semesters]	
Contemporary United States History [honors/unleveled; Fall and Spring semesters]	
Philosophy [honors, Fall semester and Spring semesters]	

World Language Placement Decision Guide & FAQs

Grade 8 to Grade 9

Rachel_Eio@psbma.org, 617-713-5094

Basic Requirements:

- All students need at least two years of WL (*in the same language*) to graduate from BHS.
- Many colleges want to see a progression of at least three years of the same WL.
- The vast majority of our students at BHS take four years of WL.
- Don't wait until 10th grade to begin!

1) Students can begin any language at BHS in an unlevleed class:

WL0100 Chinese I (two teachers)

WL1100 French I

WL5100 Japanese I

WL3100 Latin I

WL4101 Beginning Spanish I (two teachers and smaller class size)

2) Students who have studied a WL in grade 8 can continue studying the same language:

Please use the recommendation indicated by the grade 8 WL teacher. Changes made in September may not be possible due to classes being full or schedule conflicts.

For Spanish, the most typical recommendations are:

WL4220 Intermediate Spanish II

WL4230 Spanish II Honor

WL4240 Spanish II Advanced

WL4730/4740 Heritage Spanish 1H/1Adv is also available upon placement at BHS (for students with intermediate low proficiency; based on placement exam at BHS)

For French, the most typical recommendations are:

WL1220 French II

WL1230 French II Honor

WL1240 French II Advanced

For Chinese, the most typical recommendations are:

WL0200 Chinese II

WL0230 Chinese II Honor

WL0330 Chinese III Honor (K-8 Driscoll students only **or** based on a placement exam at BHS for students with outside experience)

3) What if the student has had interrupted WL classes in their K-8 schooling?

Students will need to be placed by Rachel Eio, BHS WL Curriculum Coordinator. Placement tests will be **March 6th or March 10th from 3-4 pm in the MLK room (115 Greenough Street building)**. Students must fill out this [google form](#) so that we have the info we need before they arrive.

4) What if the student speaks or hears the language you offer at BHS at home?

Students can sometimes study that language at BHS. They need to come to BHS to decide if we offer the right course for them and which level would be best. Placement tests will be **March 6th or March 10th from 3-4 pm in the MLK room (115 Greenough Street building)**. Students must fill out this [google form](#) so that we have the info we need before they arrive.

For heritage Spanish learners, consider our new BHS course Spanish Heritage 1 for 9th grade! Come to BHS for a placement process to see if you are right for that course!

5) How feasible/manageable is it for students to take two World Languages at BHS?

In rare instances, students might be able to take two languages at BHS, provided that no additional section need to be funded to accommodate these additional students, and provided that the two language classes fit in the students' schedule without prejudice to the inclusion of required courses, such as 3 years of elective courses over four years of high school. Make sure to let the elementary school guidance counselor know which language is the first choice. In case of conflicts, priority will go to students' first choice.

6) Can you take an AP level course in all languages?

All 5 languages offer leveled classes, from beginner to advanced (AP in the last year it is taught). Students in grade 9 are not enrolled in AP courses. All level 1 classes are unlevveled. Here is a link to the SY25-26 [course catalog](#) that details most WL courses at BHS.

7) Are there opportunities for traveling abroad for all languages?

Each language has travel opportunities attached to them. Typically only students in grades 11 and 12 can participate. Those opportunities depend on teachers' volunteering their time, and vary from year to year. In the past, the Latin program has traveled to Italy, the Spanish program has traveled to Costa Rica and Spain, the French program has an exchange with a school in Angers, France the Japanese program has an exchange with a school in Kyoto, Japan and the Chinese program has an exchange with a school in Xi'an, China. Students are eligible to apply based on their strong citizenship, ability to serve as a student ambassador from Brookline, and their interest in history, language, & culture. Financial assistance is available for all trips.

8) How much homework will students get in each language?

Each language offers a similar amount of homework at the beginning level and ensures that the homework is meaningful and helps develop student's language skills. Typically, this may be 20-30 minutes of work outside of school on most days classes meet.

9) How do I choose which level is right for me?

It is always best to follow your grade 8 teacher's recommendation if you plan to continue studying a language that you started in your K-8 school. They know your language skills the best and also understand the expectations of our grade 9 courses. Moving up a level once you are at BHS is recommended with independent work, may involve moving your schedule around, and is possible only if space is available. You also have the option to start a new language at the beginning level or more advanced level (if prior experience, based on a placement test at BHS).

10) What are BHS World Language teachers like?

We have about 5 French teachers, 13 Spanish teachers, 3 Chinese teachers, 3 Japanese teachers, and 2 Latin teachers. They are all different but they are all caring, dynamic, enthusiastic, and experts in their languages. They are available to help you both in and out of class. All languages have varied fun, engaging activities designed to build your language skills as part of the curriculum and have projects, independent work, as well as paired and whole group activities.

BROOKLINE HIGH SCHOOL
115 Greenough Street
Brookline, MA 02445
617-713-5000



[Brookline High Performing Arts](#)

Dear Students and Families,

Performing Arts at BHS consists of three sub departments – Drama, Dance and Music. We offer classes for students with all levels of experience and those who have never before taken a drama, dance or music class. Students in Performing Arts classes at BHS have tons of fun while fostering creativity, collaboration, critical thinking and problem-solving skills that are so necessary for personal, educational and professional growth. Students in Performing Arts classes express that music, drama and dance classes help them build confidence, reduce stress, develop friendships and become part of a welcoming community. Year after year, students consistently report that their music, drama and/or dance class is the best part of their school day.

BHS students must complete three credits in the elective programs –Performing Arts, Visual Arts and Career and Technology Education– to fulfill their graduation requirements. Courses can be distributed across the three departments or students can declare an elective pathway and fulfill all three elective credits in one department they are passionate about, such as taking three elective credits in Music, Drama and/or Dance for a Performing Arts elective pathway. In grades 10 through 12, Dance classes can also be taken to fulfill the required yearly Wellness credit. Students who want to do a Performing Arts elective pathway or take Dance for Wellness credit (in grades 10 to 12) can speak with their guidance counselor or email me (kenny_kozol@psbma.org).

Many Performing Arts classes are open to all students, and some upper level courses have prerequisites or are by audition. Here below you will find a list of Performing Arts classes and audition information. Click below on links to class websites and audition information. For more comprehensive Performing Arts class descriptions, please refer to the Performing Arts section of the BHS Course Catalog, and please watch our Performing Arts at BHS video [at this link](#) to see and hear from students in action in Music, Drama and Dance classes at Brookline High. Link: <https://youtu.be/eUWjEMOheok>

Please contact me if you have any questions.

Sincerely,

Kenny Kozol
K-12 Performing Arts Curriculum Coordinator
kenny_kozol@psbma.org
617-713-5228

Dance Classes - Dance classes classes can also be take for Wellness credit in grades 10 to 12

Beginning Dance - full year (PA3000)	Open to all students
Beginning Dance 1-A - half year (PA3001)	Open to all students
African, Latin American, Hip Hop Dance (PA3700)	Open to all students
Intermediate Dance - full year (PA3100) Intermediate Dance I-A - half year (PA3101) Advanced Dance - (PA3200)	By audition or having taken the prior level course. Auditions will be on Thursday, March 7th, from 3:30pm to 5:30pm OR Friday, March 8th 3:30pm to 5:30pm in Dance Studio One in the BHS Tappan Gym . For more details see: https://sites.google.com/psbma.org/dance-at-brookline-high-school/audition-info . Email mayra_hernandez@psbma.org if you have questions.

Drama Classes:

Drama I - full year (PA4000)	Open to all students
Drama I-A - half year (PA4001)	Open to all students
Drama II - full year (PA4100)	Prerequisite - Drama I or I-A at BHS or by audition on Thursday, March 7th OR Friday, March 8, from 3pm to 5pm in the BHS Roberts/Dubbs Auditorium. For more info see: https://sites.google.com/psbma.org/bhs-drama/home/open-drama-class-class-placement-audition-info . Email mark_vanderzee@psbma.org if you have questions
Drama II-A - half year (PA4101)	Drama I or I-A at BHS or by audition - see above
Backstage: Powertools and Special Effects (stage design and creation, lighting and effects) (PA4400)	Open to all students
Design for the Stage (PA4441)	Open to all students
Needs Improvment (drama improv troupe) (PA4300)	Grades 10 to 12, prerequisite - 3 semesters of Drama at BHS or by audition on Thursday, March 7th OR Friday, March 8, from 3pm to 5pm in the BHS Roberts/Dubbs Auditorium. For more info see: https://sites.google.com/psbma.org/bhs-drama/home/open-drama-class-class-placement-audition-info . Email mark_vanderzee@psbma.org if you have questions
Theater for Social Change (original theater group, formerly BETCo) (PA4602)	Grades 10 to 12, prerequisite - 3 semesters of Drama at BHS or by audition on Thursday, March 7th OR Friday, March 8, from 3pm to 5pm in the BHS Roberts/Dubbs Auditorium. For more info see: https://sites.google.com/psbma.org/bhs-drama/home/open-drama-class-class-placement-audition-info . Email mark_vanderzee@psbma.org if you have questions

For students interested in experiencing what a Drama class at BHS is like, please join us for one of [two open Drama classes](#) on either Thursday, Feb. 29 or Friday, March 1 from 3pm to 4pm in the BHS Black Box Theater, room 323, on the third floor of the BHS 115 Greenough St. building.

Music Classes:

Jazz, Rock, Hip Hop Ensemble (PA2350)	Open to all students who sing or play any instrument
Digital Music Production & Composition (PA2201)	Open to all students
Piano Class (PA2900)	Open to all students – for students with no piano experience, or beginning to intermediate skills. Instruments are provided.
Piano Class II (PA2901)	For students who have some prior piano experience or who have completed Piano Class
Guitar, Ukulele and Bass through Songs & Songwriting, Level One (PA2950)	Open to all students. Instruments will be provided for students who need them for this class.
Guitar, Ukulele and Bass through Songs & Songwriting, Level Two (PA2955)	Open to students with some prior experience on either guitar, ukulele or bass - a basic understanding of how to play chords and/or bass lines and simple melodies. Instruments will be provided for students who need them for this class.
Drumming and World Music: Africa, Latin America and the Caribbean (PA2801)	Open to all students
Music Collective/Jazz Band (PA2300) (Upper level band, playing jazz, rock, funk, pop, and other improvised based styles)	By audition - Video and in person audition. For audition details, https://sites.google.com/psbma.org/bhsbandroomcastellano/music-collective Email carolyn_castellano@psbma.org
Concert Choir (PA1000)	Open to all students
A Cappella Choir (PA1500)	Open to 10th through 12th graders and by audition for 9th graders. For audition details, please see: https://sites.google.com/psbma.org/music-driscoll/auditions/ Email michael_driscoll@psbma.org with questions.
Camerata Honor Chorus (PA1200)	By audition. For audition details, please see: https://sites.google.com/psbma.org/music-driscoll/auditions/ Email michael_driscoll@psbma.org with questions.
Concert Band (PA2000)	Open to all woodwind, brass and percussion students with previous school or private instruction on instrument
String Orchestra (PA2500)	Open to all violin, viola, cello and bass students with previous school or private instruction
Concert Orchestra (PA2400)	Open to all woodwind, brass, percussion, violin, viola, cello and bass students with previous school or private instruction
Advanced Chamber Orchestra (PA2600)	By audition for woodwinds, brass, percussion, violin, viola, cello. Audition info at: https://sites.google.com/view/bhso/aco?authuser=0 Email nina_bishop@psbma.org if you have questions.

Visual Arts Pathways

2024-2025

The visual arts offers four different levels of classes along three distinct pathways - **2D Studio Art, 3D Studio Art, and Digital & Media Arts.**

Foundation-level courses are open to all students, no prior experience or prerequisite is required. All Foundations courses meet 4 times per. Week, they are semester-long and are 0.5 credit hours. Students may take more than one half-year course in the visual arts if they wish to have art for the whole year. Full course descriptions and websites can be found on our [program of studies website](#).



2D Studio Art Pathways						
Foundations (no prerequisite)	Drawing Foundations VA1001	Painting Foundations VA2001	Printmaking Foundations VA4001	Drawing for Understanding in Field Science VA6100/SC6100	Art Studio: Mixed Media VA0101	Art As Activism VA0140
Intensive	Drawing and Painting Intensive VA/1201/VA2101					
Advanced	Advanced Portfolio Preparation VA9300					
AP	AP Art and Design: 2D Design or Drawing VA9000					

3D Studio Art Pathways					
Foundations (no prerequisite)	Ceramics Foundations VA5001	Metalsmithing Foundations VA6001	3D Design and Sculpture VA3001	Wearable Art and Apparel Design VA3101	Artist's Books & Visual Journals VA0150
Intensive	Ceramics Intensive VA5101	Metalsmithing Intensive VA61/01	Intro to Engineering TE4501-02 Engineering by Design SC5500/TE5500		
Advanced	Ceramics Advanced VA5200	Engineering Innovation & Design - Design: Create: Innovate SC5600/TE5600			
AP	AP Art and Design: 3D Design VA9000				

	Design, Photography, and Media Pathways					
	Photography Pathway		Digital Design Pathway		Media Production Pathway	
Foundations (no prerequisite)	Digital Photography VA7001	Darkroom Photography VA9700	Graphic Design VA9101 CE9101	Animation Design VA8101	Digital Video VA9310 CE9310	TV Production VA9800 CE9800
Intensive	Photography Intensive VA7101		Graphic Design Studio VA9201 CE9201	Animation Design Studio VA8201	Digital Video Intensive VA9320 CE9320	TV Production Intensive VA9900 CE9900
Advanced	Advanced Photography VA7300		Advanced Digital Design Studio VA9520/CE95		Advanced Media Production VA9600/CE9600	
	Advanced Portfolio Preparation VA9300		Advanced Portfolio Preparation VA9300			
AP	AP Art and Design: 2D Design VA9000					

Courses marked with * are dual CTE and Visual Arts.. Courses marked with ** are dual CTE and academic department.

Courses marked in green represent the entry-level course in a sequence. These are often, but not always, prerequisite courses for those that follow.	Courses marked in blue represent the second-level courses in a sequence. They are a fit for students with prior knowledge or those who have taken prior courses.	Courses marked in purple represent courses in the final step of the sequence. The courses may or may not be offered for advanced or AP credit.
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COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Computer Science Concentration					
CE4101/MA1501	SNAP**	.5			
CE4500	Robotics I	.5			
CE4900	Website Design (<i>not running in 25-26</i>)	.5			
CE4102/MA1502	Python**	.5			
CE4510	Robotics II	.5			
CE4910	Website Management (<i>not running in 25-26</i>)	.5			
CE4700	AP CS Principles	1.0			
CE4750	AP CS A	1.0			

Students interested in Computer Science might also enjoy these related courses:

- VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II
- VA8301 3D Animation; VA8101 Animation I and VA8201 Animation II
- ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone
- MA4120 Statistics and/or MA4140 AP Statistics [Math]
- MA4200 Perspectives of a Mathematical Mind [Math]
- SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE]

NOTE: These courses are not connected to the Computer Science concentration pathway.

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Business Concentration					
CE1100	Intro. To Business Management	.5	School Store (CE9100)	Financial Literacy Certification based on Jumpstart National Standards	
CE1200	World of Money	.5	Copy Center (TE4200/ TE4201/ TE4202)		
CE 1400	Psychology of Marketing	.5	Production House: Brookline Lens* (VA7450/CE7450)		
EN4900/CE1500	English for Entrepreneurs** <i>(not running in 25-26)</i>	1	School Newspaper: Journalism I** (ID0100) and II** (ID0130)		
Students interested in Business might also consider these related courses:					
<ul style="list-style-type: none"> ● SO5420/ SO5430 Economics/ Economics Honor [Social Studies] ● SO4600 Global Leadership [Social Studies] ● SC4570/SO4570 Climate Science and Social Change <i>(pending funding)</i> [Social Studies] ● SO6800 Philosophy: [Social Studies] ● SO4500 The Brookline High School Program in Social Justice Leadership [Social Studies] ● ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone ● MA4120 Statistics and/or MA4140 AP Statistics [Math] ● MA4200 Perspectives of a Mathematical Mind [Math] ● SO4420/SO4430 Psychology/ Psychology Honor [Social Studies] ● SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE] 					
NOTE: These courses are not connected to the Business concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Digital Media and TV Production* Concentration					
VA9101/CE9101	Graphic Design I*	.5	Copy Center (TE4200/ TE4201/ TE4202) Production House: Blue Lab Productions* (VA9600/CE9600)	783456	
VA9310/CE9310	Digital Video Production I*	.5			
VA 9800/CE9800	TV Production I*	.5			
VA9201/CE9201	Graphic Design II *	.5			
VA9320/CE9320	Digital Video Production II *	.5			
VA9900/CE9900	TV Production II*	.5			
VA7450/CE7450	Advanced Digital Design Studio*	1.0			
VA9600/CE9600	Advanced Media Production*	.5			
Students interested in Digital Media might also enjoy these related courses:					
<ul style="list-style-type: none"> ● VA 9400 Comic Books 101 ● VA8301 3D Animation ● VA8101 Animation I and VA8201 Animation II ● ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone ● SO4800/VA4800 Film as History/History as Film ● VA7210 Photography Intensive: Digital ● PA2201 Digital Music Production and Composition ● TE3200 Introduction to Technical Drawing and CAD (Computer Aided Design) ● TE3300 Architectural Design and Drafting with CAD (Computer Aided Design) ● SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE] 					
NOTE: These courses are not connected to the Digital Media and TV Production concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Journalism** Concentration					
ID0100	Journalism I**	1.0	School Newspaper: Journalism I** (ID0100) and II** (ID0130)		
ID0130	Journalism II**	1.0			
Students interested in Journalism might also consider these related courses:					
<ul style="list-style-type: none"> ● VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II ● SC4570/SO4570 Climate Science and Social Change (<i>pending funding</i>) [Social Studies] ● ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone ● VA7450/CE7450 The Brookline Lens: A Photo-Video Production House ● VA7001 Photography: Foundations or Intensive VA7101 ● EN4900/CE1500 English for Entrepreneurs** ● EN4500 Issues in Contemporary Literature ● EN4700 Public Speaking and Public Writing ● CE1100 Introduction to Business Management ● SC6100/VA6100 Drawing for Understanding in Field Science 					
NOTE: These courses are not connected to the Journalism concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Engineering and Technical Pathway					
Engineering Technology Concentration					
TE4501	Intro to Engineering Design	.5			
SC5500/TE5500	Engineering by Design**	.5			
SC5600/TE5600	Engineering, Innovation, and Design**	1.0			

Students interested in Engineering might also enjoy these related courses:

- VA3001 Sculptural Objects: Foundations
- TE1001 Creative Woodworking I and/or TE1002 Creative Woodworking II
- CE4500 Autonomous Robotics I and/or CE4510 Autonomous Robotics II
- VA0101 Art Studio
- CE4100/MA1500 Exploring Computer Science Engineering**
- CE4102/MA1502 or Computer Programming: Python**
- SC4140 Advanced Placement Physics – 1&2
- CE4750 AP Computer Science A
- CE1100 Introduction to Business Management
- EN4900/CE1500 English for Entrepreneurs**
- ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone

NOTE: These courses are not connected to the Engineering Technology concentration pathway.

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Engineering and Technical Pathway					
Integrated Construction Technology Concentration					
TE1001	Creative Woodworking I	.5			
TE3200	Introduction to Technical Drawing and CAD <i>(not running in 25-26)</i>	.5			
TE3300	Architectural Design and Drafting with CAD	.5			
TE1002	Creative Woodworking II	.5			
TE1003	Furniture Design and Construction	.5			
TE1500	Construction: A Tour Through the Trades	.5			
Students interested in Integrated Construction Technology might also enjoy these related courses:					
<ul style="list-style-type: none"> ● VA3001 Sculptural Objects: Foundations ● TE1001 Introduction to Technical Drawing and CAD ● CE4500 Autonomous Robotics I and/or CE4510 Autonomous Robotics II ● CE4100/MA1500 Exploring Computer Science Engineering** ● CE4102/MA1502 or Computer Programming: Python** ● ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone ● VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II ● VA8101 Animation I and VA8201 Animation II ● SC5600/TE5600 Engineering Innovation & Design ** ● PA4400 Backstage: Power Tools and Special Effects 					
NOTE: These courses are not connected to the Integrated Construction Technology concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Human Development Pathway					
Medical Concentration					
CE5500	Medical Careers	.5	Internship opportunity available with Harvard MedScience for limited number of students in Medical Careers course		
CE5900	Peer Leadership and Public Health	.5			
CE5550/CE5551	Medical Interpretation and Translation Spanish/Portuguese <i>(pending funding)</i>	.5			
CE5901	Peer Leadership and Public Health II	.5			
Students interested in Medicine might also enjoy these related courses:					
<ul style="list-style-type: none"> ● SC5820/SC5830 Forensic Science / Forensic Science Honor ● SC5130 Body/Mind Honor ● SC4320/ SC4330 Anatomy and Physiology / Anatomy and Physiology Honor ● WE2800 Achieving Health Through Yoga ● SO2100 Racial Awareness Seminar ● SO4500 The Brookline High School Program in Social Justice Leadership ● SO 5040 AP Human Geography ● SO4420/SO4430 Psychology/ Psychology Honor ● SO4320/ SO4330 Legal Studies and Internship/Legal Studies and Internship Honor 					
NOTE: These courses are not connected to the Medical Human Development concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Culinary Pathway					
FP100	Culinary Exploratory	.5			
FP2000	The Cooking of Italy and China <i>(not running in 25-26)</i>	.5	Tappan Green (Student-Run Restaurant)	ServeSafe	
FP5000 I	International Baking	.5			
FP3000	American Regional Cuisine	.5			
CE6100	Restaurant and Culinary Careers I	.5 or 1.0			
CE6200	Restaurant and Culinary Careers II	.5 or 1.0			
FP 8000	Advanced Food Preparation/Culinary Arts <i>(not running in 25-26)</i>	.5 or 1.0			
CE6300	Restaurant and Culinary Careers III / Major	.5 or 1.0			

Students interested in Culinary might also enjoy these related courses:

- CE1100 Introduction to Business Management
- CE 1400 Psychology of Marketing
- EN4900/CE1500 English for Entrepreneurs**
- SC2020 Chemistry I or SC2030 Chemistry I Honor
- SC4240 Advanced Placement Chemistry
- EN4700 Public Speaking and Public Writing
- MA4200 Perspectives of a Mathematical Mind [Math]

NOTE: These courses are not connected to the Culinary concentration pathway.

On Leveling:

Courses marked in green represent the entry-level course in a sequence. These are often, but not always, prerequisite courses for those that follow.	Courses marked in blue represent the second-level courses in a sequence. They are a fit for students with prior knowledge or those who have taken prior courses.	Courses marked in purple represent courses in the final step of the sequence. The courses may or may not be offered for advanced or AP credit.
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The Career & Technology Education department believes in competency-based education. Students are rarely, if ever, grouped by age/grade or academic level. Our programs instead opt to track students by understanding of and prior experience with course-related content and skills.

As the above Program of Study indicates, we offer 8 concentrations across 4 pathways, each of which include a sequence of courses. Each pathway and concentration offers entry-level and intermediate courses. Most concentrations and pathways also include advanced courses. In CTE, the term “advanced” is used to describe a course experience that challenges students beyond the intermediate level. While some of these classes are offered for Advanced Placement (AP) credit, the majority of our “advanced” classes are issued credit that corresponds with all other unlevleed classes.

For example, a student may opt to take Furniture Design and Construction while pursuing an Integrated Construction Technology concentration in our Engineering and Technical Pathway. Only students who have successfully completed Creative Woodworking I (entry-level) and Creative Woodworking II (intermediate) can enroll in the Furniture Design class, making it the most advanced course experience in the sequence. All three courses (Creative Woodworking I, Creative Woodworking II, and Furniture Design) are unlevleed.