

Hollis Brookline High School



Program of Studies

2024 – 2025



Hollis Brookline High School

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myhbhs.org

Administration

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School Counselors: Chantel Klardie, Department Chair
Megan Andersen
Dawn Breault
Daniel Bumbarger
Mary Carper
Melissa Moyer
Emily Thompson
Jillian Burkley, school social worker

We Value:

Integrity • Intellectual Curiosity • Innovation • Individuality • Involvement in HBHS community

We believe in:

- Inspiring lifelong learning and achievement through a broad range of experiences.
- Encouraging all to strive for their maximum potential.
- Upholding an atmosphere of mutual trust and respect essential to the educational process.
- Recognizing that student, parents, and staff share responsibility for open communication to maintain a thriving school community.
- Maintaining a safe, productive, and inclusive learning environment.

Academic Expectations

Students will:

- Read and write fluently, expressively and accurately.
- Listen and speak with sensitivity and discrimination.
- Solve problems logically and analytically.
- Use their creative abilities in original and productive ways.
- Use their critical abilities to recognize and value excellence and quality.
- Be prepared to meet the changing technological demands of the marketplace.

Social Expectations

Students will:

- Respect the rights and values of others.
- Resolve conflicts appropriately.
- Accept responsibility for their actions.

Civic Expectations

Students will:

- Understand and accept their duties as citizens of a democracy.
- Contribute to the greater well-being of society.
- Respect the differing values of the global community.

Visit the Hollis Brookline High School Web Site

myhbhs.org

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Introduction

This *Program of Studies* has been prepared to assist students and their parents in deciding which courses to take at Hollis Brookline High School. It provides information on course descriptions, suggested course sequences, required and elective courses, credit requirements, special programs, and selected school policies.

The careful selection of required and elective courses is an important first step toward a successful educational experience at Hollis Brookline High School. Students should review the *Program of Studies* with their parents. Counselors will meet with students to hand out registration information, explain the registration process, and discuss program planning. Students should consult with their core teachers to determine appropriate placement before online course registration begins. Be sure to pay particular attention to course prerequisites, required courses, and college admissions requirements when selecting your courses.

It may not be possible to offer all the elective courses listed in this *Program of Studies*. The courses offered will depend on the number of students who enroll for each course. Conflicts may also arise due to a student's specific course requests, therefore, be sure to choose at least two alternate elective courses when registering online.

Principal's Message

Dear HBHS students and Parents/Guardians,

This Program of Studies is designed to be your guide as you chart your path over the next four years. A great deal of thought and work goes into planning the scope and sequence of our curriculum to ensure that it is designed with our students' best interests in mind. Please use this guide as a reference for graduation requirements and course prerequisites, as well as a tool to help you map out your selections for the 2024-25 School Year and beyond. There are many wonderful opportunities to take advantage of here at HBHS. As you develop your plan for the years ahead, I urge you to consider balancing your schedule between courses that will challenge you and courses or co-curricular activities that you look to simply enjoy. We urge you to utilize the *Student Activities Spreadsheet* at the end of this program to assist you in navigating the balance between school, life, and activities. I also encourage you to communicate regularly with your parents, teachers, and school counselors throughout the course selection process as these decisions will affect your plans for the future. As you navigate through the process of selecting your courses, please do not hesitate to contact your school counselor as well as current and former teachers and administrators at any time if you have questions. We are always open to feedback and suggestions that you may have as we work together toward creating the best academic program possible for our students.

Sincerely,
Timothy E. Girzone

Student Services

The mission of the Hollis Brookline School Counseling Department is to provide a comprehensive program that encourages the successful academic, career, and social-emotional development of each individual. We believe through collaboration with students, families, school staff, and community members we can assist students in reaching their full potential.

Academic Achievement

- A. Students will acquire the attitudes, knowledge, and skills contributing to effective learning in school and across the lifespan.
- B. Students will complete school with the academic preparation essential to choose from a wide range of substantial post-secondary options, including college.
- C. Students will understand the relationship of academics to the world of work and to life at home and in the community.

Career Planning

- A. Students will acquire the skills to investigate the world of work in relation to knowledge of self and to make informed career decisions.
- B. Students will employ strategies to achieve future career goals with success and satisfaction.
- C. Students will understand the relationship between personal qualities, education, training, and the world of work.

Personal Social Development

- A. Students will acquire the knowledge, attitudes, and interpersonal skills to help them understand and respect self and others.
- B. Students will make decisions, set goals, and take necessary action to achieve goals.
- C. Students will understand safety and survival skills.

Career and Technical Programs

HBHS students are eligible to attend Alvirne and Nashua High Schools in the 11th and 12th grades for career and technical education. The courses available are listed in the *Program of Studies* in the “Career and Technical Programs” section, and are up-to-date as of the time of publication of the HBHS Program of Studies (but are subject to change as the offering schools update and revise their Programs of Studies). Specific information may be obtained from the School Counseling Department. Career programs also include internships and work study through Hollis Brookline High School.

English Learners (EL)

The EL program is designed for students residing in the district whose primary language is other than English. This course develops EL students’ academic reading, writing, speaking, and listening skills in English using the WIDA English Language Development standards and NH DOE content standards. The EL program provides direct instruction about the functions and features of the English language that students will encounter in their academic courses. The EL program also provides assistance and support with the language demands of students’ core classes. Eligibility for enrollment is determined by students’ WIDA Screener score, if they are arriving from another country, or WIDA ACCESS score, if they have already been enrolled in U.S. schools. The WIDA ACCESS test is administered to all students identified as English Language Learners in the state of NH, and in 38 other states, each year in February and March, and score reports are available each June. This score determines placement in the EL program for the following school year. If students have not already been identified as English Learners by a previous school, their placement for the current school year is determined by the WIDA Screener test administered when they enroll at HBHS.

Student Services & Compliance with Federal and State Laws

The Hollis Brookline Cooperative School District complies with all Federal and state laws that apply to schools. These include:

- Family Education Rights and Privacy Act (FERPA)
- Individuals with Disabilities Education Act (IDEA)
- Child Find Notice: Children With Disabilities Under IDEA or Section 504 (ADA)
- Notice of Procedural Safeguards Under Section 504 and the ADA
- Child Neglect and Abuse
- Section 504 of the Americans with Disabilities Act (ADA)
- Section 504/Title II Grievance Procedure.

The school’s website (myhbhs.org) provides brief information concerning these laws. Additional information is available through numerous government sources and through the school.

Visit the Hollis Brookline High School Web Site

myhbhs.org

Click on the School Counseling link for assistance and information on:

Career Services	Counseling Services	Presentations	SAT Prep
Career and Technical Programs	Helpful Websites	Program of Studies	Scholarships
College Admissions Testing	Naviance	Register New Student	School Profile
College Handbook			

Hollis Brookline High School Graduation Requirements

Students must earn 23 credits to graduate with a Hollis Brookline High School Diploma. This diploma indicates that the student has completed a rigorous high school curriculum which exceeds the state requirements. The following courses are graduation requirements. The credit given for each course is included with the respective course description. **Note: A course cannot be used to earn credit in more than one category. All high school students must engage in a math experience for every year they are in high school until graduation. All math courses qualify, and any non-math courses that meet this requirement are marked by a “+”. Per RSA 189 Section 11, all graduating students must pass the U.S. Citizenship Test. The test will be administered during students’ junior year. Students may retake the test as often as necessary in order to achieve the required 70%.**

<u>Category</u>	<u>Credits</u>
English (including .5 Writing credit)	4.50
Mathematics (including 1.0 Algebra credit)	3.00
4th Year Math Experience +	N/A
Information and Communication Technology (ICT Digital Portfolio)	0.50
Social Studies - 1 U.S. History, 1 World Studies, .5 Economics (including Personal Finance instruction), .5 Civics (including 70% on US Citizenship Test)	3.00
Science (including 1 Physical Science credit & 1 Biological Science credit)	3.00
Arts Education (all Performing Arts, Visual Arts)	0.50
Physical Education	1.00
Wellness	0.50
Restricted Electives	3.00
Three credits selected from at least two of the following areas:	
<i>Arts Education: Performing Arts, Visual Arts</i>	
<i>Practical Arts: Computer & Technology, or Family and Consumer Sciences</i>	
<i>Career and Technical Education</i>	
<i>World Language: Level IV or V of a World language, or a second World language</i>	
<i>Mathematics, Social Studies and Science: fourth credit</i>	
Free Choice Electives	4.00
Credits selected from any of the school’s course offerings	
TOTAL	23.00

Hollis Brookline High School – NH State Standard Diploma

A NH State Standard Diploma for Academic Achievement may be awarded to any student who completes the state minimum required units of study as defined by Ed 306.27(m) but who does not qualify for a Hollis Brookline High School diploma as designated in Board Policy IKF. Students seeking a diploma under this policy are advised make a request, in writing, to the building principal no later than one semester prior to his/her anticipated graduation date. The principal must approve the request prior to awarding an alternative diploma. **All high school students must engage in a math experience (not necessarily a math credit) for every year they are in high school until graduation. Courses that meet this requirement are marked by a “+”. Per RSA 189 Section 11, all graduating students must pass the U.S. Citizenship Test. The test will be administered during students’ junior year. Students may retake the test as often as necessary in order to achieve the required 70%.**

<u>Required Subjects</u>	<u>Credit(s)</u>
Arts Education	0.5
Information and Communications Technologies	0.5 or demonstrate proficiency
English	4.0
Mathematics	3.0, including algebra credit that can be earned through a sequential, integrated, or applied program, and a 4 th year math experience
Physical Sciences	1.0
Biological Sciences	1.0
US and NH History	1.0
US and NH Government/Civics (incl. 70% on US Citizenship Test)	0.5
Economics (incl. Personal Finance instruction)	0.5
World History, Global Studies, or Geography	0.5
Health Education	0.5
Physical Education	1.0
Open Electives	6.0
Totals	20.0

Equivalency Diploma

An **Equivalency Diploma** shall be awarded to a student who receives special education services and who successfully completes the requirements for this diploma as established and set forth in the student’s Individualized Education Program (IEP) and who does not meet the requirements for a diploma set forth in the State Minimum Standards for Public School Approval and applicable District policy. The requirements for this Diploma may vary from student to student. The high school must secure the informed written consent of the parent or guardian and the student to choose this diploma program after review of the student’s academic history and the full disclosure of the student’s options.

Any student who receives an equivalency diploma pursuant to this policy will be allowed an opportunity to participate in the District’s graduation ceremony.



NH Scholars

New Hampshire Scholars is a community-based program that encourages students to take a more rigorous core course of study in high school. The program is federally-funded through the New Hampshire Department of Education, and is coordinated through a partnership between the New Hampshire College and University Council, Campus Compact for New Hampshire, and the New Hampshire Department of Education. New Hampshire Scholars is part of the National State Scholars Initiative Network. Twenty-five states across the country participate in this national initiative. For more information visit nhscholars.org.

New Hampshire Scholars must successfully complete and earn credit for courses listed under the NH Scholars Core Course Requirements.

NH Scholars Core Course Requirements

- English - 4 years
- Math - 4 years, including Algebra 1, Geometry, and Algebra 2, and 1 other competency
- Laboratory Science - 3 years of Laboratory Science (e.g. Biology, Chemistry, Physics, Anatomy & Physiology)
- Social Studies - 3.5 years (US History, World Studies/History, Civics/Economics, and 1 elective)
- World Language - 2 years of the same world language other than English
- **Minimum 3.2 GPA**

NH Scholars with STEM Emphasis

- English, Math, Social Studies, and World Language requirements listed under “Core Course Requirements”
- **Science - 4 years, including 3 Lab Science (Biology, Chemistry, Physics, A&P, Pre-Engineering, Computer Science, etc.)**
- **STEM related courses – at least one more year chosen from Technology, Engineering, Computers, Advanced Manufacturing, Science, Math, Family and Consumer Science, CTE program, Project Lead the Way (all courses in Science, Computer Education, and Engineering qualify for NH Scholars with STEM Emphasis)**
- **Minimum 3.2 GPA**

NH Scholars with Art Emphasis

- English, Math, Lab Science, Social Studies, and World Language requirements listed under “Core Course Requirements”
- **Art Education – 2 years (all courses in Visual & Performing Arts qualify for NH Scholars with Art Emphasis)**
- **Minimum 3.2 GPA**

NH Scholars with Career Pathway Emphasis

- English, Math, Lab Science, Social Studies, and World Language requirements listed under “Core Course Requirements”
- **Successfully completed one of the following -- approved NH CTE Program, Industry -Aligned or Career-Driven Extended Learning Opportunity, all sequence components in a Formal Career Pathway Program of Study, CCSNH Industry Certificate Sequence, successfully engaged in a Work Based Learning Experience**
- **Successfully earned one of the following -- College Credits, Industry Valued Recognized Certificate, or Postsecondary hours**
- **Minimum 3.2 GPA**

Approved courses are noted in the Program of Studies by the NH Scholars Seal.



Credit Accumulation Guidelines

Beginning in 9th grade, progress toward graduation depends on the accumulation of credits and passing required subjects. Algebra 1, French 1, and Spanish 1 taken in middle school may allow students to take Geometry, French 2, or Spanish 2 upon entering the 9th grade. Middle school courses will not count as part of the 23 credits required for high school graduation and are not reflected on the high school transcript. Students are able to schedule a study each year and still meet their graduation requirements.

These credit accumulations are guidelines for entrance into grades 10, 11, and 12:

At the completion of Grade 9:	6 credits
At the completion of Grade 10:	12 credits
At the completion of Grade 11:	17 credits

It is a student's responsibility to meet periodically with his/her counselor to ensure all graduation and credit requirements are completed.

Credit Recovery

Students who fail a course for the year may earn credit in one of the following ways:

- Repeat the course at Hollis Brookline High School.
- Enroll in a summer school program at a local high school. Students must first meet with their school counselor to determine the appropriate course and program that will fulfill the lost credit as well as review academic information. Summer school programs require that students have passed at least two quarters of a full-year course or one quarter of a semester course and have obtained approval from the principal. An Alternative Credit Application (available in the School Counseling Office) must be completed prior to taking the course. Credit will be awarded upon successful completion of the course. The course grade will be entered as a grade of P or F, and there is no adjustment to the student's GPA calculation.
- Competency recovery through Edgenuity or the Virtual Learning Academy Charter School (VLACS) is an opportunity for students to complete the essential work required to have mastered a failed HBHS course. Teachers must first determine that the student is eligible for competency recovery. Competencies are then chosen by the HBHS teacher. An Alternative Credit Application must be completed and administrative permission obtained. Competency completions will be reviewed by the Academic Review Committee. HBHS teachers may adjust the student's final grade. Credit will be awarded, and GPA will be recalculated.

Alternative Methods of Earning Academic Credit

Generally courses required for graduation are taken at Hollis Brookline High School. Students who wish to take courses through an extended learning opportunity and/or online programs may do so in consultation with the school counselor and pre-approval of an administrator. In all cases, an Alternative Credit Application must be completed and permission obtained prior to the commencement of the class/program. Alternative credit may be accepted toward requirements leading to a student's Hollis Brookline High School diploma if approved by administration. It should be noted that these courses will reflect credit on the HBHS transcript if they are taken at an accredited academic institution. Official transcripts must be provided to the school registrar. See your counselor for more information.

1. **College/University Credit:** With prior approval from an administrator and before the beginning of a semester, credit can be accepted for college level courses. All applications must be completed and approval must be granted from an administrator. High school credit will be granted for a semester college course provided that a passing grade is earned.

2. **Online Courses:** With prior approval from an administrator, credit may be earned by successfully completing online/distance learning courses, such as Edgenuity, Virtual Learning Academy Charter School, BYU, etc.
3. **Independent Study:** With approval from an administrator and prior to the beginning of a semester, credit may be earned for academic independent study projects that will be coordinated, supervised, and evaluated by a Hollis Brookline High School faculty member. An alternative credit application must be completed and permission granted prior to commencement of the study project. Teachers must be certified in the course content area. Independent Study courses fulfill free choice and restrictive elective graduation requirements and are graded **Pass** or **Fail**.
4. **Out-of-District Placement:** The number of high school credits granted for courses offered at out-of-district special education approved day and residential programs will be determined by the principal upon successful completion of the courses.
5. **Study Abroad:** With prior approval of the principal, credit may be earned while studying abroad in a certified program. The courses taken should be in line with Hollis Brookline High School graduation requirements; otherwise, participation in a study abroad program may delay graduation. See your counselor for more information.

Summer Enrichment

Students are encouraged to participate in summer enrichment experiences. These programs are seen as enrichment only and do not qualify for credit. Programs such as People to People, St. Paul's Advanced Studies Program, Summer Institute, and language immersion programs do not qualify for academic credit. See your counselor for more information.

Grade Policies

Grade Reporting

Grades are reported quarterly via the PowerSchool parent portal four times a year. A student's quarterly grade, mid-term exam, final exam, and final grades appear in letter form. Assignment grades and attendance information is available to families through the PowerSchool parent portal. The letter grading system is outlined in the following section. Students have ten (10) school days from the date grades close to resolve any incomplete grades. Students with incomplete grades after that time will not be eligible for the Honor Roll. Mid-term and final exam grades appear on the parent portal and factor into the final course grade, but do not appear on transcripts.

Alert messages will be sent as follows:

- Two weeks prior to the end of the quarter for students who are receiving grades in the D/F range
- At the end of each quarter notifying parents when term grades have been stored

Any parent who does not have access to a computer should inform the School Counseling Office and a paper copy will be provided to the student.

Transfer of Credits

All courses transferred in to Hollis Brookline High School are included on the student transcript. All attempts for courses taken outside of Hollis Brookline High School that have been approved with an Alternative Credit Application will be noted on the HBHS transcript, including grades of withdrawal or failure.

Audit Policy

With the permission of an administrator and the recommendation of the receiving and sending teacher, students may request to Audit. The purpose of the Audit is to repeat the course or participate in a course in an effort to further develop academic knowledge and build a stronger academic foundation. Students must complete an Audit Agreement (located in the School Counseling office) to be signed by parent, administration, teacher, and school counselor. *Please note: audited courses are not taken for credit.*

Grade Weighting

Honors and AP courses from each major department carry more weight in calculating grade point average.

AP Biology	AP French	AP U.S. Gov & Politics	Honors Jazz Band
AP Calculus	AP Physics I and II	AP U.S. History	Honors Literature
AP Chemistry	AP Psychology	Honors Anatomy and	Honors Physics
AP Computer Science	AP Spanish	Physiology	Honors Pre-Calculus
AP English Lang & Comp	AP Statistics	Honors Chemistry	Honors Senior Quest
AP English Lit & Comp	AP Studio Art	Honors Choir	Honors Spanish IV
AP Environmental Science	AP World History	Honors French IV	Honors U.S. Literature

HBHS Grade Scale

GPA Point Value			
Letter Grade	Weighted	Regular	Range
A+	5.00	4.33	97 - 100
A	4.67	4.00	93 - 96
A-	4.33	3.67	90 - 92
B+	4.00	3.33	87 - 89
B	3.67	3.00	83 - 86
B-	3.33	2.67	80 - 82
C+	3.00	2.33	77 - 79
C	2.67	2.00	73 - 76
C-	2.33	1.67	70 - 72
D+	2.00	1.33	67 - 69
D	1.67	1.00	63 - 66
D-	1.33	0.67	60 - 62
F	0.00	0.00	Below 60

Grade Point Average

A student's Grade Point Average (GPA) is determined at the end of each year. HBHS utilizes a partially-weighted system to calculate GPA. The highest possible GPA in freshman year is 4.33. Inclusion of weighted courses in sophomore through senior year raises the GPA scale to 5.00. Thus, the highest

cumulative GPA at the end of sophomore year is 4.43; junior year is 4.62, and 4.71 at the end of senior year. This GPA calculation is based on a student enrolled in six weighted courses per year. However, due to scheduling constraints, some students may not be able to enroll in all weighted courses he/she requested during the course selection process. GPAs are recorded on the transcript both by each academic year and cumulatively for all completed years, and will be noted on the final report card of the year.

Note: *Dropping a class after the add/drop period will be reflected on a student's official transcript. If a student withdraws from a class after add/drop, a grade of WP or WF will be awarded based on the grade at the time of withdrawal and will not be factored into the calculation of GPA. If a student withdraws from a class at the quarter, the quarter grade will be entered and a WP or WF will be entered for the final grade. Any quarter grade of WP or WF prohibits students from being eligible for the quarter honor roll in which the withdrawal grade is awarded.*

Latin Honors

Academic achievement will be recognized at the end of the student's senior year using the Latin Honors system. The following GPA cutoffs will be used to determine three distinct levels of achievement:

Summa Cum Laude: 4.2 and above

Magna Cum Laude: 4.0 and above

Cum Laude: 3.8 and above

To be eligible for Latin Honors recognition, students must be graduating with the 23 credit HB diploma. Latin Honors will be designated on the final transcript, and GPA will be cumulative for all Hollis Brookline High School credits earned. A student may not earn more than 7 credits per academic year that count toward grade point average. Credits awarded from Hollis Brookline High School are factored into a student's GPA first. Any subsequent credits earned through approved alternate courses will be factored in to the GPA after all HBHS credits. Transfer students' grades will be rolled into the Hollis Brookline High School transcript. Grades for transfer students will be recalculated to receive the same numerical weight as courses taken at HBHS. With the exception of transfer AP classes, which will be weighted, all other transfer classes can receive only the weight assigned to the same or similar class at HBHS. Therefore, classes will be recalculated (not renamed) to reflect weight and credit consistent with what students at Hollis Brookline can achieve.

Academic Progress

Academic Progress is available to all students and parents at all times through the PowerSchool parent portal. General guidelines regarding the gradebook are as follows: teachers post grades generally within 10 days from a due date and will indicate, in the PowerSchool gradebook, a missed assignment within 3 days of the original due date. Grade postings inform students and parents about the progress or lack of progress that has taken place. In many instances, unsatisfactory and failing grades should be followed by a student-parent-teacher conference. Parents may also want to discuss any difficulties that their son/daughter might be experiencing with their child's counselor.

All seniors are notified in writing of their graduation requirements at the start of senior year and after mid-term exams. At the end of third quarter an additional letter will be sent for those students in danger of failing a graduation requirement. These notices are intended to keep students and parents informed of graduation progress and any deficiencies that may impede graduation.

CAVBlock

CAVBlock is held three times per week for students to confer with teachers, collaborate with peers, and complete assignments. During this 45-minute period, students in grades 9-11 are required to assign themselves, using Adaptive Scheduler, to two CAVBlock sections each day, and seniors have the option of

signing up for time with teachers or in specific locations. In addition to academic support, students may also sign up to attend enrichment activities, to access the library, or to attend school assemblies, School Counseling Department programs, and other scheduled school programs.

Honor Roll

The scholastic Honor Roll is prepared and published at the end of each marking period to recognize outstanding academic achievement. Students must be carrying a minimum of six classes at Hollis Brookline High School to be eligible for honor roll designation. Students who drop a class and receive a grade of **WP** or **WF** as a quarter grade will be ineligible for honor roll for that term.

There are two honor roll classifications:

High Honors: Students who have received a grade of A- or higher in all subjects

Honors: Students who have received a grade of B- or higher in all subjects

Senior Options

The Senior Options Program allows 12th grade students in good academic standing to manage their time during the day when they are not scheduled for a class. The following privileges are available to seniors during their unassigned period:

- Use of the library, cafeteria, and, when available, music rooms and gym
- The option of arriving to school after 7:40am but prior to their first scheduled class, or leaving after their last class of the day, but prior to 2:30pm.

Junior Privileges

The Junior Privileges program allows 11th grade students in excellent academic standing to manage their time if they have a study hall as the first or last period of the day. Excellent academic standing means the student must have a cumulative GPA of 3.0 or higher. In order to take advantage of this program, juniors are required to be full time eleventh graders and have no D's, F's or no major disciplinary infractions in the previous quarter. The following privilege is available to juniors with parent/guardian permission during their first or last study period of the day:

- Arrival to school just prior to their first class if they have a regular study hall the period before.
- Departure from school after their last class of the day if they have a regular study hall after.

Course Registration Procedures

Course registration begins in January/February for returning high school students and in February for 8th grade students. The process is announced by teachers and the School Counseling Department to provide students and parents information to make appropriate course selections. Many courses have prerequisites. If a course is listed as a prerequisite, students must have completed that course with a passing grade, or, in some cases, must have earned a specific grade. Students should discuss levels with their current teachers or core class instructors to ensure correct placement in courses. Courses are prioritized on a first-come/first-served basis once course registration closes; therefore, course registration deadlines are important. When courses fill, a wait list is established to ensure students have a fair opportunity to enroll in the classes. Students should always work with their counselor if they have any questions or concerns.

Restrictions on Course Selection

Students should choose electives at the grade level for which they are listed; however, upperclassmen may choose electives below their grade level providing there are no conflicts and there is space available.

Teacher Recommendations/Overrides

Teachers recommend the appropriate course selection for students. Experience has confirmed our belief that a student's current teacher is the most qualified person to make this recommendation based not only on the student's performance, but also on the teacher's evaluation of the student's potential and ability. At times, parents may disagree with the teacher recommendation. When this occurs, we strongly encourage you to discuss the course selection with your child, the teacher, and school counselor. Parents and students are highly cautioned about completing a **Course Override Form**. If a parent overrides a teacher recommendation and the student begins to experience difficulty in the class, **moving the student to a lower level may not be possible. In addition, should this occur, your child's transcript will permanently reflect a grade of WP (withdraw/pass) or WF (withdraw/fail).** Please consider this decision carefully before taking this course of action. **Students who receive a quarter grade of WP or WF are ineligible for the quarter Honor Roll. An HBHS Override Form cannot be used to deviate from the scope and sequence of HBHS courses, and it cannot be used to override any prerequisite other than a teacher recommendation.**

Add/Drop Procedures

During the initial course registration phase, students are asked to make their selections carefully since staff is hired and resources are allocated based on these requests. Once the master schedule is developed, **course changes are very limited.** In the event that a schedule adjustment is necessary, an add/drop period at the beginning of each semester allows students to enroll in the courses they request in a fair and equitable manner. Those who have an incomplete schedule or are in need of a graduation requirement are seen immediately. Add/Drop begins two days after the first full day of the fall semester and runs for five school days. Full year courses may only be dropped during the fall add/drop period. Second semester add/drop begins two days after the start of the spring semester and runs for three school days. Only second semester courses can be adjusted at this time. Students must see their counselor and not the classroom teacher in order to make schedule changes. Wait lists are put in place to ensure fairness in the process, and students must attend the classes on their current schedule until changes have been made and a new schedule is processed by the School Counseling Department.

Note: *Requests for class placement and/or specific teachers are not allowed. Students may not drop a full year course after the fall semester add/drop period without resulting in a WP or WF.*

Level Changes

If a student is identified as inappropriately placed in a core course, a request may be considered to change the level of the course. Level changes, when necessary, are considered at the first and second quarter. The quarter grade will be entered for the course the student has been attending. A level change will result in a WP or WF entered for the final grade. The teacher of the new course will award grades for the remaining quarters, and a student's GPA will be calculated based on the weight of the course when credit is awarded.

Overview of College Admission Requirements

The choice of a high school curriculum and course selection may limit or enhance college entrance opportunities and achievement in college. Students are strongly encouraged to take as demanding a schedule as possible where they will be successful. Most successful candidates for admission to college have taken *at least* four years of English and three plus years of college preparatory mathematics, laboratory science, and social studies. Successful candidates have also typically completed three years of study in a single world language. However, students must read specific college catalogs to be certain of their particular requirements, especially in areas such as engineering, nursing, and physical therapy. A major factor leading to success in college admission and as a college student is the academic preparation a student achieves in high school. Students need to consider this as they plan for their course selection each year.

The School Counseling Department has developed a College Admission Handbook that reviews four-year course planning and the college admission process in detail. The handbook is available only through the School Counseling website.

College Selectivity

Colleges may be classified according to their standards for admission. Students should carefully review these categories as they plan for college.

Most Competitive

Even superior students will encounter a great deal of competition for admission to these colleges. In general, these colleges require a grade point average of 4.0 and above. The strongest curriculum possible in high school is required. Average test scores of admitted students are 700 to 800 on each section of the Critical Reasoning SAT and 30 or above on the ACT. These colleges admit only a small percentage of those who apply.

Highly Competitive

This group of colleges is looking for students with minimum grade point averages of 3.8. A very strong high school curriculum is required. Average test scores of admitted students are 650 to 800 on each section the Critical Reasoning SAT and 28 and above on the ACT.

Very Competitive

The colleges in this category admit students whose grade point averages are no less than 3.6 and above and who have taken a solid college preparatory and honors program in high school. Average test scores are in the 600 to 700 range on each section of the Critical Reasoning SAT and from 28 and above on the ACT.

Competitive

These schools enroll students with average test scores from 500 to 650 on each section of the Critical Reasoning SAT and from 23 to 28 on the ACT. Many colleges require a grade point average of 3.0-3.3 or higher in a solid college preparatory curriculum.

Less Competitive

The colleges in this category look for students in the upper half of their graduating class who have taken a college preparatory program and have scored around 500 on each section of the Critical Reasoning SAT and 20-26 on the ACT. They admit students with a GPA range starting at 2.5.

Noncompetitive

Colleges in this category require only evidence of graduation from an accredited high school program or equivalent. Some require entrance examinations for course placement purposes.

Special Colleges

These colleges feature specialized programs of study. They include professional schools of art, music, or theater arts, or seminaries preparing students for the clergy. In general, admission requirements are not based on academic criteria but on evidence of talent or special interest in the area of study and often require an audition or portfolio of the student's work in order to be admitted.

Post High School Education

Some students benefit from a post graduate year of study. Students who do not feel academically, socially, or emotionally ready to attend college have often found success with this option after graduation. There are a variety of schools that offer this year of study that helps students solidify their academic foundation, enabling them to move on to a collegiate experience of their choice.

Post-High School Employment

Students who are interested in going on to a career immediately after high school may take advantage of career opportunities offered throughout their high school experience in order to enhance their opportunities. Employers will base their decision to employ a student on a variety of factors. These factors include high school diploma, grades, attendance record, recommendations from teachers and counselors, extracurricular activities, and personal characteristics.

Gap Year Programs

Students who would like to pursue a year of community service or volunteer opportunities prior to enrolling in college can pursue various Gap Year programs. The School Counseling office has lists of organizations that offer various programs such as City Year, Habitat for Humanity, internships, and many more.

Career Education

An ELO is an Extended Learning Opportunity. Registering for the following courses requires that students follow an **application process and that they work with the ELO coordinator and their school counselor**. ELOs are learning opportunities that happen outside of the traditional classroom setting.

H976. ELO

Gr.9-12 **1 credit**
0.25-0.5 credit

Full Year
Semester

Prerequisite: Students must complete an ELO application
(Career Education)



An ELO mimics an internship as it is a temporary, unpaid position where a student is paired with a professional in order to gain practical experience in an occupation or profession. This course is designed for motivated students seeking career exposure in a specific field. You must meet with the ELO coordinator and school counselor about placement and availability. Students will be evaluated based on competency attainment versus hours on site. While hours are not officially counted, the following gives an idea of the expectations as they relate to commitment required: 0.25 credit = about 40 hours, 0.5 credit = about 70 hours, 1 credit = about 120 hours. Students will have scheduled meetings to review course progress. There are four required components: 1) reflection, 2) research, 3) product, and 4) presentation.

Note: *This course may be taken more than once during a student's high school career.*

H981. Career Studies ELO

Gr. 9-12 **1 credit**
0.25-0.5 credit

Full Year
Semester

Prerequisite: Students must complete an ELO application
(Career Education)



Career Studies is an opportunity for a student to investigate a specific occupation or career path. This learning experience requires the student to conduct independent research, informational interviews with professionals, and job shadows when appropriate. There are four required components: 1) reflection, 2) research, 3) product, and 4) presentation.

H1001. Work Study I

Gr.11-12 **0.5 credit**

Semester

Prerequisite: Students must be employed three weeks prior to enrolling in this course
(Career Education)



By participating in this paid, out-of-school employment experience, students will increase work skills for employability and increase self-confidence for workplace readiness. Students must make an appointment with the school counselor to review course expectations and to complete paperwork. Students must return a contract signed by the employer and must submit documentation that he/she is working a minimum of ten hours per week. Students will meet with a counselor as scheduled to review fulfillment of work that is directly related to the employment experience. In order to remain in this course, students must complete the above

requirements when they are due and receive positive performance reports from their employer.

Note: *Termination of employment by either the student or the employer prior to the end of the term will result in a grade of WF (withdraw/fail) and loss of credit.*

H1002. Work Study II

Gr. 11-12

0.5 credit

Semester

Prerequisite: Students must be employed three weeks prior to enrolling in this course
(Career Education)

This course is designed for students who would like to extend in their work study placement. Course expectations are consistent with the Work Study I program.

H975. Aide Positions

Gr. 11-12

0.25 credit

Semester

Aide positions are available in the following departments: Academic teachers, Office, School Counseling, Library, Athletics, and Health Office. Students must gain permission from the requested faculty member as well as school counselor, administrator, and parent to pursue this credit. Grades are awarded as Pass/Fail only, and students cannot earn more than 1 credit during their high school career. Pass/Fail grades do not count toward a student's GPA.

Note: Students may only **TA** in a course they have previously completed, courses may only be assigned one aide per course, and students are restricted to one aide position per student per semester. **Library Aide positions are available for grades 10-12.**

*For **Career and Technical Education (CTE) Programs** offered at other high schools, please see the section with that title at the end of the Program of Studies for course descriptions and information.*

Computer Education

H352. ICT Digital Portfolio (ICT)

Gr.9-12

0.5 credit

Demonstration of competency in Information and Communication Technology (ICT) is required by New Hampshire State Graduation Requirements. All students will complete a digital portfolio using artifacts created in regular content courses. Completion of this portfolio is graded Pass/Fail.

H709. Video Game Design +

Gr.9-12

0.5 credit

Semester

Prerequisite: Completion of Algebra 1 or combination of Algebra 1A and 1B
(Practical Arts & ICT)



Students will explore the concepts of computer programming, methods, and algorithms, including memory management, decision making, looping, objects, and lists. Students will learn why programming languages are a vehicle for implementing computer-based solutions to modern day business problems, scientific exploration, and world event-driven problems. Students will program games and solutions to real-world problems using Javascript algorithms to build interactive Android Apps. Students will have the opportunity to explore several important topics of computing, using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field.

H363. Web Page Design

Gr.10-12

0.5 credit

Semester

(Practical Arts & ICT)



Web Design is a project-based course that uses the CodeHS Web Design tools to teach students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their own multi-page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites.

H353. Computer Science Principles +

Gr.9-12

0.5 credit

Semester

Prerequisite: Completion of Algebra 1 or combination of Algebra 1A and 1B
(Practical Arts & ICT)



Computer Science Principles is an entry-level course that introduces students to the foundation of modern computing. The course covers a broad range of foundational topics including programming, algorithms, the internet, big data, base conversions, digital privacy and security, and the societal impacts of computing. With a unique focus on creativity, problem solving, and project based learning, students have the opportunity to develop an interest in computer science that will provide the foundation for future study of more advanced computer science topics.

H362. Advanced Placement Computer Science A +**Gr.10-12****1 credit****Full Year***Weighted Course*

Prerequisite: A grade of B or higher in Algebra 2 or permission of Department Chair

(Practical Arts & ICT)



This course is an introduction to the Java programming language and prepares students for the AP Computer Science exam. It is designed to give students a foundation in programming methodology and Java syntax. Topics include primitive data types, arithmetic, relational and assignment operators, string concatenation, input/output, decision and looping structures, and arrays. Emphasis is placed on programming methodology, recursion procedural abstraction, algorithms, data structures, and data abstraction.

Note: *Successful completion of the AP Computer Science exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Computer Science exam at the end of the course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H358. Computers & Technology**Gr.9-12****0.5 credit****Semester**

(Practical Arts & ICT)



Computers & Technology will introduce students to the knowledge and skills needed to enter computer science and information technology (IT) fields. Designed as a hands-on course, students will use simulators to analyze digital components, study network design, and understand the design concepts of software and hardware components. There are five components to this course: the internet, digital information, intro to Micro:bit, program control with Micro:bit, and Advanced Micro:bit. Students will end this course with a final product that combines software and hardware components that perform a task to solve a problem.

Engineering

Note: Courses designated by a “^” qualify to meet the third science credit requirement, as described in the **Science section** of this Program of Studies.

HBHS offers courses in partnership with Project Lead the Way. As outlined on their website, the **Project Lead the Way Engineering Program** provides opportunities to develop highly transferable skills in collaboration, communication, and critical thinking, which are relevant for any coursework or career. It is more than just another high school engineering program. It is about applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the “right” answer. They learn how to apply STEM knowledge, skills, and habits of learning to make the world a better place through innovation. **PLTW** courses may be offered as part of the Dual Enrollment program with New Hampshire Technical Institute. Students who earn a B or better and qualifying score on the End-Of-Course exam can apply for credits through Rochester Institute of Technology.

**Below are suggested pathways only; please check for specific prerequisites at individual course descriptions*

Pathways	Recommended starting point for freshmen	Recommended starting point for sophomores/ juniors		
Recommended for students interested in mechanical/ civil engineering	Engineering Technologies	Introduction to Engineering Design	Principles of Engineering	Digital Electronics
Recommended for students interested in electrical/computer/ materials engineering	Engineering Technologies	Principles of Engineering	Digital Electronics	
<i>OR</i>	Computers and Technology	Principles of Engineering	Digital Electronics	
Recommended for students interested in computer science	Computers and Technology	<i>(Computer Science courses)</i>		

H711. Engineering Technologies: Fall (“M”) + ^
(Practical Arts)

Gr.9-12

0.5 credit

Semester



This class is structured as an introductory engineering and technology class with the goal of exposing students to a variety of STEM experiences. This course is intended to allow students to progress into PLTW Introduction to Engineering Design and PLTW Principles of Engineering. “M” stands Mindset, Manufacturing, and Mechanical. The class will focus on the following units: Design and Manufacturing Technologies, Mechanical Engineering, Development and Marketing, and Ethics and Philosophy. The class will use CAD software, a 3D printer, and VEX equipment. Students will learn theoretical underpinnings of engineering and immediately apply these understandings to real world technologies to solve problems.

Note: Engineering Technologies Fall (“M”) is NOT a prerequisite for Engineering Technologies Spring (“E”). Students may take Engineering Technologies Spring (“E”) without having previously taken Engineering Technologies Fall (“M”).

H712. Engineering Technologies: Spring (“E”) + ^
(Practical Arts)

Gr.9-12

0.5 credit

Semester



This class is structured as an introductory engineering and technology class with the goal of exposing students to a variety of STEM experiences. This course is intended to allow students to progress into PLTW Introduction to Engineering Design and PLTW Principles of Engineering. “E” stands for Electrical, Encryption, and Environmental. The class will focus on the following units: Software Development, Microcontrollers, Computing, Electrical Engineering, and Ecological Civil Engineering. The class will use text-based IDEs, Micro:bit Controllers, Digital Breadboards, Circuit Design Software, and Geographic Information Systems. Students will learn theoretical underpinnings of engineering and immediately apply these understandings to real world technologies to solve problems.

Note: Engineering Technologies Fall (“M”) is NOT a prerequisite for Engineering Technologies Spring (“E”). Students may take Engineering Technologies Spring (“E”) without having previously taken Engineering Technologies Fall (“M”).

PLTW COURSE OPTION:

Students who take Engineering Technologies as a full year class may be eligible to earn college credit through the Project Lead the Way End-of-Course exam for Engineering Essentials. **PLTW credit requires registration in the Fall. Students may obtain dual enrollment credit through the Rochester Institute of Technology.** They must earn a qualifying score on the End-Of-Course exam along with a grade of 85% or higher in the class and can apply for credit up until November of the following year for a fee. Dual Enrollment options through institutions other than RIT may be based on the availability of the partnering institution to offer a paired instructor for this course (see “note” for other PLTW courses in this section for information about Dual Enrollments other than RIT).

This course would appear on the transcript as:

H713. Engineering Essentials, PLTW (1 credit)



H710P. PLTW Digital Electronics + ^**Gr. 10-12****1 credit****Full Year**

Prerequisite: Completion of or concurrent with Algebra 2 or permission of Department Chair
Recommendation: Completion of Principles of Engineering or Introduction to Engineering, or a full year of Engineering Technologies
 (Practical Arts)

This is a hands-on engineering course that teaches electronics, from basic circuit and electrical principles to digital concepts and devices. Students learn through theory and practice about electricity, digital logic, Boolean algebra, simplification, programmable logic devices, microprocessors, and a vast array of related topics. This course is an excellent option for students who are considering electrical engineering as a career path. This is a hardware course with some programming content.

Note: *This course is taught as a dual-credit enrollment with the Community College System of New Hampshire. Students who enroll as dual credit and successfully complete this course will be awarded 3 college credits through a CCSNH institution as well as 1 credit from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded. Students may choose to obtain their dual enrollment credit through the Rochester Institute of Technology instead.** They must earn a qualifying score on the End-Of-Course exam along with a grade of 85% or higher in the class and can apply for credit up until November of the following year for a fee.*

H701P. PLTW Intro to Engineering Design + ^**Gr.9-12****1 credit****Full Year**

Prerequisite: Algebra 1
 (Practical Arts)

In this course, students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.

Note: *This course is taught as a dual-credit enrollment with the Community College System of New Hampshire. Students who enroll as dual credit and successfully complete this course will be awarded 3 college credits through a CCSNH institution as well as 1 credit from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded. Students may choose to obtain their dual enrollment credit through the Rochester Institute of Technology instead.** They must earn a qualifying score on the End-Of-Course exam along with a grade of 85% or higher in the class and can apply for credit up until November of the following year for a fee.*

H706P. PLTW Principles of Engineering + ^**Gr.10-12****1 credit****Full Year**

Prerequisite: Algebra 1; can be taken concurrently with Geometry or Accelerated Geometry, or permission of Department Chair

This course explores basic engineering concepts in an exciting hands-on environment. Topics include simple machines, strength of materials, thermodynamics, statistics, and structure strength. Through project-based learning, students discover the many fields of engineering, including electrical and mechanical. This course includes challenging projects, using a wide variety of technology tools that complement the course material.

Note: *This course is taught as a dual-credit enrollment with the Community College System of New Hampshire. Students who enroll as dual credit and successfully complete this course will be awarded 3 college credits through a CCSNH institution as well as 1 credit from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded. Students may choose to obtain their dual enrollment credit through the Rochester Institute of Technology instead.** They must earn a qualifying score on the End-Of-Course exam along with a grade of 85% or higher in the class and can apply for credit up until November of the following year for a fee.*

H262. Senior Quest

Gr.12

1 credit

Full Year

A cross-disciplinary 21st Century independent project

Prerequisite: By Application Only—Limited to 30 students

(Elective credit)



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty advisor. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors by Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

English

All students need 4.5 English credits for a Hollis Brookline High School diploma. These credits include **Grade 9:** English 9, Accelerated English 9, or English 9 Read, 1 credit; **Grade 10:** English 10, Accelerated English 10, or English 10 Read, 1 credit AND Writing or College Composition, 0.5 credit; **Grade 11:** U.S. Literature, Honors U.S. Literature, Fundamentals of English, or AP English Language, 1 credit; **Grade 12:** English electives, 1 credit.

	Grade 9	Grade 10	Grade 11	Grade 12
Required <i>(options based on recommendation)</i>	English 9 Read English 9 Accelerated English 9	English 10 Read English 10 Accelerated English 10	Fundamentals of English U.S. Literature Honors U.S. Literature AP English Language and Composition	AP English Literature and Composition Popular Reading Honors Literature Film Studies Journalism Memoirs and Biography Science Fiction Poetry Advanced Writing World Literature Yearbook Business and Professional Writing
Required <i>(options based on recommendation)</i>		Writing College Composition (Dual Enrollment option)		
Electives			Film Studies Journalism Memoirs and Biography Science Fiction Poetry Advanced Writing World Literature Yearbook Business and Professional Writing	

H111. English 9 Read**Gr.9****1 credit****Full Year**

Prerequisite: Recommendation of Department Chair and/or Case Manager
(English 9)

English 9 Read is a basic, introductory language arts course designed to meet the needs of students deficient in reading skills. Students work extensively in the areas of vocabulary building and reading development. Admission to the course will depend, in part, on the results of standardized reading tests. Other factors to be considered are teacher recommendations and other school specialists' input.

H112. English 9**Gr.9****1 credit****Full Year**

(English 9)



English 9 is an introductory language arts course. Areas of study are composition, reading, vocabulary development, reading development, literature, research and library skills, and daily language activities focusing on punctuation, grammar, and usage. The reading list includes an introduction to selected classic and contemporary literature, surveying the genres of the short story, the novel, drama, and poetry. Students develop skills in reading for detail as well as for overall comprehension. They refine their understanding of paragraph development and practice basic techniques of writing in various forms, including the essay. Students practice oral communication skills through participation in a speech unit.

H113. Accelerated English 9**Gr.9****1 credit****Full Year**

(English 9)



Accelerated English 9 is intended for those students who have demonstrated a mastery of many of the skills detailed in the English 9 course description. They should write proficiently, read insightfully, and articulate skillfully. Areas of study include those listed for English 9, with additional emphasis on more intensive literary interpretation. Recommendations for Accelerated English 9 will be given by the student's 8th grade English teacher. *Students will be required to complete a summer assignment prior to the start of class. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

H121. English 10 Read**Gr.10****1 credit****Full Year**

Prerequisite: Recommendation of Department Chair and/or Case Manager
(English 10)

English 10 Read is a continuation of English 9 Read. An emphasis on oral reading is intended to sharpen fluency and comprehension. There will be a continuation of essay writing for a variety of purposes with an emphasis on organization of ideas. Special units of study may include study skills, test-taking skills, speaking and listening skills, reading comprehension, and grammar, as needed. Recommendations for this course will be given by the student's 9th grade English teacher.

H122. English 10**Gr.10****1 credit****Full Year**

Prerequisite: English 9
(English 10)



English 10 is a continuation of English 9, focusing on composition, vocabulary development, reading development, literature, and daily language activities in punctuation, grammar, and usage. Composition work is expanded to include longer formal and informal essays. Study of novels, plays, short stories, and poetry emphasizes more sophisticated methods of literary analysis. The literary essay may be introduced as an additional genre. Students practice oral communication skills through participation in a speech unit. The course also includes weekly vocabulary development and the basic library skills necessary to complete a research project or paper.

H123. Accelerated English 10**Gr.10****1 credit****Full Year**

Prerequisite: A grade of B- or higher in Accelerated English 9 or a grade of A- or higher in English 9, or permission of Department Chair
(English 10)



Accelerated English 10 includes those areas listed in English 10, with emphasis on abstract critical thinking, literary criticism, and more extensive library research. Recommendations for Accelerated English 10 will be given by the student's 9th grade English teacher. *Students will be required to complete a summer assignment prior to the start of class. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

H136. Writing**Gr.10****0.5 credit****Semester**

(Writing)

This 10th grade requirement is a half-year course that improves students' performance in the four domains of descriptive, narrative, expository, and persuasive writing. Course work includes basic skills needed in everyday written communication and in academic assignments, as well as writing for enjoyment. Student evaluation is based on all the stages of the writing process, including drafting, revising, editing, and final product. Students are expected to participate in teacher conferences and peer response groups in order to develop the ability to evaluate, revise, and edit writing. As a major unit, students will demonstrate mastery in a culminating project that includes a formal research paper; students may be required to present parts of this project to their classmates.

H136D. Dual Enrollment College Composition (Writing)**Gr.10****0.5 credit****Semester**

Recommended: teacher recommendation
(Writing)

Students learn to write clearly and effectively for defined audiences through a range of strategies. Emphasis is on the writing process from pre-writing through drafting, revising, and editing. Students gain confidence by learning the basic principles of effective expository composition and the application of these principles in writing essays and documented papers. Students become aware of the variety of strategies, behaviors, habits, and attitudes and choose those that help them improve. Students also will read and examine an assortment of writers and writing styles.

Note: This 10th grade course is taught as a dual-credit enrollment with Nashua Community College (NCC) through the Early College program. Students who enroll for dual credit and successfully complete this course will be awarded 3 college credits through NCC as well as 0.5 credits from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded.** Students will be required to pay approximately \$65-\$90 for a required text (depending on used vs new). Official enrollment for college credit is typically required 3-5 weeks into the course.

H132. Fundamentals of English

Gr.11

1 credit

Full Year

Prerequisite: Recommendation of Department Chair and/or Case Manager
(U.S. Literature)

This course is designed to strengthen the basic skills of reading, writing, speaking, and listening. Emphasis will be placed on developing and strengthening oral and independent reading skills. Students will write for a variety of real-world and academic purposes and use these skills to successfully analyze, interpret, and explain different kinds of information. Course readings focus on a mixture of fiction and nonfiction texts. In addition to reading and writing, units will focus on developing and reinforcing communication skills. Placement in this course is determined by teacher referral, departmental assessments, or performance on required state assessments.

H151. U.S. Literature

Gr.11

1 credit

Full Year

Prerequisite: English 10
(U.S. Literature)



This course involves reading and interpreting texts in a variety of genres, from a wide range of writers from different periods in American literary history. Material is organized around a number of specific themes, including, for example, “Individual Needs and Social Expectations,” “The Nature of American Freedom,” “The American Dream,” “Times of Conflict,” and “The Expanding Nation.” Students are taught to read with greater understanding and insight, exposed to numerous on-demand writing experiences, and expected to participate productively in large and small group discussions. The course also includes weekly language activities focused on punctuation, grammar, and usage, as well as a year-long vocabulary program. Students will also complete a research paper incorporating literary criticism.

H171. Honors U.S. Literature

Gr.11

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Accelerated English 10 or a grade of A- or higher in English 10, or permission of Department Chair
(U.S. Literature)



This course is recommended for students who have demonstrated that they can both read with advanced understanding and insight as well as write with sophisticated voice and purpose. Honors United States Literature students must demonstrate competency in formal writing, public speaking, critical thinking, prepared academic discussion, independent study, and well-developed listening and note-taking skills.

Furthermore, students selecting this honors-level course do so with the expectation of lengthy daily reading assignments and frequent, challenging research and critical analysis essays. The course also includes weekly language activities focused on punctuation, grammar, and usage, as well as a year-long vocabulary program. The requirements and subject matter of this course are designed as a preparation for post-secondary education and demand a personal and academic commitment. Students will be exposed to a variety of literary genres and a myriad of works by American authors. *Students will be required to complete a summer assignment prior to the start of class. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

H154. Advanced Placement English Language & Composition

Gr.11

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Accelerated English 10 or a grade of A- or higher in English 10, or permission of Department Chair

(U.S. Literature)



This college level course involves the reading and interpretation of representative texts in a variety of genres. The AP English Language curriculum balances fiction and non-fiction, helping students deepen their understanding and awareness of how language works by focusing on three skills: analysis (with a focus on rhetoric), argument, and synthesis. Students focus on nonfiction (essays, biographies, autobiographies, speeches, newspaper and magazine articles) as well as texts by a number of classic American authors. Students will consider the visual media that surrounds them whether spoken, displayed, or broadcasted. Students will write timed essays in class as well as essays requiring multiple drafts, revision conferencing, and final proofreading. This course is recommended for students who have an appreciation for language, have demonstrated they can read with considerable understanding and insight, and can write correctly, effectively, and gracefully. Students electing this AP course should expect longer daily reading assignments as well as frequent, challenging writing assignments. *Students will be required to complete an extensive and demanding assignment during the summer. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

Note: *Successful completion of the AP English Language exam may entitle the student to receive college credit, depending on the policy of the college and the test score. Students are expected to take the AP English Language exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

English Electives

The English elective program offers students an opportunity to select courses that meet their individual interests and needs. It is designed to provide students with a range of academic choices aligned with the HBHS Core Values. Accordingly, all English electives promote the following skills: **reading and writing fluently, expressively, and accurately; listening and speaking with sensitivity and discrimination; problem solving logically and analytically; using creative abilities in original and productive ways; and using critical abilities to recognize and value excellence and quality.** The degree of course difficulty varies within the program. Students and parents should read the course descriptions carefully to ensure selection of the appropriate elective. Degree of difficulty is clarified in the course description. At times, specific recommendations are included to assist in the selection of courses.

H184. Advanced Placement English Literature & Composition**Gr.12****1 credit****Full Year**Weighted Course

Prerequisite: A grade of B- or higher in AP Language and Composition OR Honors U.S. Literature, or a grade of A- or higher in U.S. Literature, or permission of Department Chair (English)



The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of literature. Through the close reading of selected texts, students will develop their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Writing is an integral part of this course: assignments will focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Units include practice in timed essay writing and applying the various forms of literary criticism. Although critical analysis makes up the majority of student writing for the course, well-constructed creative writing assignments help students see from the inside how literature is written. Participation in the course will be based on previous grades or departmental recommendation. Students electing this AP course should expect longer daily reading assignments as well as frequent, challenging writing assignments. *Students will be required to complete an extensive and demanding assignment during the summer. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

Note: *Successful completion of the AP English Literature exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP English Literature exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H137. Advanced Writing**Gr.11-12****0.5 credit****Semester**

Prerequisite: Writing (English)



This course is designed to meet the needs of motivated, disciplined writers. Course content focuses on fiction, prose, personal essays, poetry, and writing portfolios. The instructor encourages students to contact colleges, pursue publication opportunities, and enter creative writing contests to extend students' mastery of the writer's craft. Students produce a portfolio of work, which they may use as a part of their college application.

H131. Business and Professional Writing**Gr.11-12****0.5 credit****Semester**

Prerequisite: Writing (English)

The purpose of this course is to help students enhance skills in writing and presenting in a business and professional environment. Students will read, evaluate, and write samples of business writing, including: letters, emails, memos, and reports, as well as cover letters and resumes. Students will also use technology and multimedia to design a variety of presentations for the professional world, including PowerPoints, brochures, and video presentations, compiling a portfolio of work that can ideally be used in the real world

once they graduate. The last unit of the class will be a mock simulation of both applying to and interviewing for a student's desired job of choice.

H164. Film Studies
(English)

Gr.11-12

0.5 credit

Semester



This introduction to film studies is designed to help students develop a greater appreciation for film. Students will explore and analyze elements of classical and contemporary films in a wide variety of genres through literary, dramatic, and cinematic lenses. In addition, students will examine basic film theory and criticism from an historical and cultural perspective. Evaluation will be based on oral and written expression, independent projects, and assigned readings.

H181/182. Honors Literature Fall/Spring
Weighted Course

Gr.11-12

0.5 credit

Semester



Prerequisite: A grade of B- or higher in AP Language and Composition OR Honors U.S. Literature, or a grade of A- or higher in U.S. Literature, or permission of Department Chair
(English)

Honors Literature is an advanced level program intended for students who have demonstrated a high aptitude in the areas of reading comprehension, literary interpretation, and writing about literature. Honors Literature students read substantial portions of the Bible and numerous texts from the literatures of Greece and Rome. In addition to improving traditional language arts skills, the examination of this important body of literature enhances and enriches students' engagement with all Western literature and history, preparing them for college-level humanities courses. *Students will be required to complete an extensive and demanding summer assignment prior to the start of class. Please note that the summer work is a course requirement and must be completed on time as per teacher instructions.*

Note: *Students may sign up for a semester or a full year class.*

H156. Journalism

Prerequisite: Writing
(English)

Gr.11-12

0.5 credit

Semester



Students in this course learn and apply twenty-first century writing, technology, and communication tools while writing a variety of articles across genres that are published in the school newspaper, the CavChron. Students will study the art of interviewing, Journalism Code of Ethics, writing an article, broadcasting, developing podcasts, and other multimedia tools, all for topics of interest and with the purpose of creating reliable student journalism.

H148/149. Memoirs and Biography Fall/Spring
(English)

Gr.11-12

0.5 credit

Semester



These electives focus on reading memoirs and biographies chronicling a wide range of perspectives that

address all elements of the human experience, past and present. The course involves reading memoirs, biographies, and autobiographies for enjoyment, comprehension, and interpretation. Students will read a selection of both full texts and shorter excerpts. Students will also be expected to write personal narratives and will practice with a variety of writing tasks varying in length. Additionally, students will conduct research and oral/visual projects. The course will also include studying the use of grammar and punctuation as it applies to writing. Students may enroll in either Fall or Spring, or both.

H139. Poetry

Gr.11-12

0.5 credit

Semester

Prerequisite: Writing
(English)



Poetry focuses on the potential for beauty and communication inherent in the English language. Through both reading and writing, participants explore the secret lives of words, investigating how and why they exist in poetry and poetics. At the core of this course is the recognition that carefully chosen, effectively arranged words have the ability to evoke powerful thoughts and emotions in the reader. Students produce a portfolio of work, which they may use as part of their college application. Poetry is recommended for those students who intend to go on to post-secondary education.

H142/144. Popular Reading Fall/Spring

Gr.11-12

0.5 credit

Semester

Prerequisite: Recommendation of Department Chair and/or Case Manager
(English)

Popular Reading is intended for those students who enjoy reading, have difficulty with assigned reading in other English courses, and require assistance with writing, organization, and study skills. Alternating between fiction and non-fiction, students read novels, as well as newspapers, magazines, essays, biographies, and popular histories. Participants prepare written reactions to these readings and participate in daily discussions.

H185. Science Fiction

Gr.11-12

0.5 credit

Semester

(English)



Science fiction often reflects the way we live in the twenty-first century and informs how we understand our world. This course will examine science fiction through some of its most influential works in the novel, short story, graphic novel, and film formats. Students will be expected to respond to the readings via an online journal, participate in class discussions both online and in person, write short researched analysis pieces, and produce a creative piece using research. In addition, science fiction films (either whole or in part) will be viewed and analyzed. By the end of the course students are expected to have an understanding of the genre and identify its broad cultural impact.

H153. World Literature

Gr.11-12

0.5 credit

Semester

(English)



This course includes reading selections that range from ancient through modern texts from around the world. The primary focus of the course is discussion and writing about universal themes and issues as they appear in literature. Students will read literary works from a variety of genres: poetry, fiction, nonfiction, and essays.

Students will make connections between the texts and the contemporary world. Students should expect to complete nightly reading assignments, short analytical and response papers, and literary analysis essays. The course balances close reading of some selections and wide reading of others. Students will continue to fine tune their critical reading and writing skills.

H155. Yearbook

Gr.11-12

1 credit

Full Year

*Prerequisite: Writing
(English)*

Students in this course learn and apply twenty-first century writing, technology, design, and communication tools as they work on all elements of planning, production, and sales of the yearbook. They are responsible for producing the school's yearbook, from start to finish. Students are expected to attend a variety of school events that occur outside of school hours in order to produce material and take photos. Because students in this course work on real projects with real consumers, this course also provides hands-on experience for the world of work, including functioning as part of a team, meeting project deadlines, working with new technology, and communicating with the public.

H262. Senior Quest

Gr.12

1 credit

Full Year

*A cross-disciplinary 21st Century independent project
Prerequisite: By application only. Limited to 30 students
Elective credit is awarded*



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

Family and Consumer Sciences

The mission of the Family and Consumer Sciences Department is to prepare students for family, work, and community life. The philosophy focuses on empowering individuals, strengthening families, and enabling communities.

H833. Fashion and Retail Merchandising

Gr.9-12

0.5 credit

Semester

(Practical Arts)



This semester course explores careers in the business and retail industries. Instruction includes the marketing of apparel as well as retail and fashion merchandising. Units of study include the history of the fashion industry; fibers, fabrics, and finishes; producing fashion; fashion marketing; and career exploration.

H810. Foods and Nutrition 1

Gr.9-12

0.5 credit

Semester

(Practical Arts)



Foods and Nutrition 1 is an introductory course in food science and nutrition. This course provides essential life skills and explores the relationship between diet and health. With an emphasis on the MyPlate guidelines, students discover the ability to cook properly, leading to successful food preparation. Students are also involved in technology based learning. Students will create tasty foods and snacks to meet their nutritional needs, while applying food safety and sanitation techniques at all times.

H811. Foods and Nutrition 2

Gr.9-12

0.5 credit

Semester

Prerequisite: Foods and Nutrition 1

(Practical Arts)



Foods and Nutrition 2 is an advanced nutrition and culinary arts class. This class will help students separate nutrition facts from fiction. Special attention will be given to diet and disease, phytochemicals, and two units that research the relationship between "Sugar and Health Issues" and "Food Additives." Students will explore career opportunities in food science and nutrition. Culinary units will enhance all coursework and will include special projects in gourmet cooking, international foods, cake decorating, and garnishing.

H831. Human Relations

Gr.10-12

0.5 credit

Semester

(Practical Arts)



Human Relations focuses in-depth on all aspects of individual and family development. Interpersonal relationships and positive methods of communicating with others will be studied through many team- building activities and discussion groups. This course is geared toward students interested in maximizing their individual potential by studying topics such as healthy relationships, personality, friendships, and family.

Included in the family unit is an opportunity to take a baby mannequin home for 24 hours. A career unit gives students the opportunity to investigate managing multiple life roles. Human Relations also explores citizenship and includes at least one community service learning project.

H8332. Interior Decorating

Gr.9-12

0.5 credit

Semester

(Practical Arts)



This course explores the fundamentals and elements of interior design. Students learn how to express their creativity through the use of color, line, texture, and space in a variety of hands-on projects. Furniture and the history of design will be explored, and guest speakers will introduce careers and experience needed for this type of employment.

H620. Personal Finance +

Gr.10-12

0.5 credit

Semester

(Practical Arts)



This course will focus on the six aspects of personal finance as outlined by The National Endowment for Financial Education: (1) The financial planning process, (2) Goal setting, (3) Career decisions/Entrepreneurship, (4) Budgeting and cash flow, (5) Insurance, and (6) Saving/Investing.

Mathematics

Three mathematics credits are required for graduation from Hollis Brookline High School; one of these credits must be Algebra 1. College-bound students should plan a sequence of courses through at least an Algebra 2 course to meet the entrance requirements of most colleges and universities. It is recommended that students have a grade of C or higher before moving on to the next course. *All students must engage in a math experience for every year they are in high school until graduation. Courses that qualify as a math experience are designated by a “+” throughout the Program of Studies, or as approved at the discretion of the superintendent or designee. All math classes qualify.* The following chart shows the sequencing of mathematics courses at Hollis Brookline High School. Cross movement between levels is possible according to student performance or with departmental recommendation. Students will be advised by their current math teacher as to the next appropriate course in the sequence. **Incoming math students may be given a math placement exam to ensure proper placement.** VLACs students must be issued a transcript showing credit earned prior to enrolling in the next HBHS course in the sequence. Students seeking enrollment in an HBHS Accelerated/Honors course after taking a VLACs course must have completed the Accelerated/Honors level of the previous VLACs course.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Grade 8 Math	Algebra 1A	Algebra 1B	General Geometry	Dual Enrollment Algebra 2 with Quantitative Reasoning
Grade 8 Math	Algebra 1	Geometry	Dual Enrollment Algebra 2 with Quantitative Reasoning	Dual Enrollment Algebra 3/Trigonometry Personal Finance or other 4 th year math experience
Grade 8 Math	Algebra 1	Geometry	Algebra 2	Dual Enrollment Algebra 3/Trigonometry Pre-Calculus
Algebra	Geometry	Algebra 2	Pre-Calculus	Calculus AP Statistics
Algebra	Accelerated Geometry	Accelerated Algebra 2	Honors Pre-Calculus	AP Calculus AP Statistics

H310. Individualized Math Program**Gr.10-12****1 credit****Full Year**

Prerequisite: Approval by Department Chair and Assistant Principal of Student Services
(Mathematics)

The Individualized Math Program allows the student to work at their own pace to complete mathematics courses in the HBHS curriculum. Upon successful completion of course work, the transcript will reflect the content of the actual course completed.

H311A. Algebra 1A**Gr.9****1 credit****Full Year**

Prerequisite: Recommendation of 8th grade math teacher
(Mathematics)

The Algebra 1A and Algebra 1B program will allow students to take Algebra 1 over two years. Algebra 1A sets the foundation for students to be successful in the HBHS mathematics program. Throughout the course, students will perform basic computations including operations with real numbers. Students will solve single variable equations and inequalities, solve single variable absolute value equations and inequalities, apply dimensional analysis appropriately, solve problems using proportions and percentages, apply the basic laws of exponents to simplify numerical and algebraic expressions, use function notation, interpret graphs, model situational problems with linear functions, and write and graph linear relations. *A scientific calculator is required for this course.*

H311B. Algebra 1B**Gr.10****1 credit****Full Year**

Prerequisite: Algebra 1A
(Algebra 1)

This course will continue in the Algebra 1 curriculum where Algebra 1A left off. The completion of Algebra 1A and Algebra 1B sets the foundation for students to be successful in the HBHS mathematics program. Throughout the course, students will solve systems of equations in two variables graphically and algebraically; simplify expressions containing both rational exponents and radicals; graph exponential functions; solve quadratic functions by graphing, factoring, and taking square roots; model situational problems with linear, exponential and quadratic functions; use measures of central tendency and dispersion to analyze data; and use basic probability. *A scientific calculator is required for this course.*

H312. Algebra 1**Gr.9****1 credit****Full Year**

Prerequisite: Recommendation of 8th grade math teacher
(Algebra 1)



Students will solve single variable equations and inequalities, absolute value equations and inequalities, systems of equations and inequalities in two variables (graphically and algebraically), and quadratic functions and relations by graphing, factoring, and taking square roots. Students will apply dimensional analysis, probability and statistics, proportions and percentages, and exponential laws as well as linear, quadratic, and exponential models. Students will graph linear, quadratic, and exponential functions and relations using function notation. Students will simplify expressions involving polynomial functions, rational exponents, and radicals. *A scientific or graphing calculator is required for this course.*

H327. General Geometry**Gr.10-11****1 credit****Full Year**

Prerequisite: Algebra 1B or Algebra 1
(Mathematics)

General Geometry is a course that allows students to study geometric concepts and applications. Students develop the geometric structure through theorems, postulates, properties, and definitions and apply these concepts to solve geometric problems. Course concepts include construction of geometric figures using basic geometric tools (compass and straightedge), points, lines, planes, angles, triangles, quadrilaterals, congruence, similarity, perpendicular and parallel lines, coordinate geometry, perimeter, area, volume, circles, properties of triangles, the Distance and Midpoint formulas, the Pythagorean Theorem, and basic trigonometry. *A scientific calculator is required for this course.*

H324. Geometry**Gr.9-11****1 credit****Full Year**

Prerequisite: Algebra 1 or permission of Department Chair
(Mathematics)



This course introduces students to the applications of geometry in the real world. Each course unit has a real-world theme and utilizes a guided-discovery approach to learn the geometric concepts taught. Students will study angle relationships, triangles, quadrilaterals, other polygons, right triangle trigonometry, circles, and 3-D solids. Students will study geometric theorems, write mathematical proofs, and make connections between algebra and geometry. *A scientific calculator is required for this course.*

H328. Accelerated Geometry**Gr.9-10****1 credit****Full Year**

Prerequisite: Recommendation of 8th grade Algebra teacher or permission of Department Chair
(Mathematics)



The accelerated level student is expected to demonstrate a higher level of mathematical understanding and aptitude and enjoy being challenged by higher order thinking problems. This course is designed for students with a strong interest in mathematics and the ability and willingness to persevere through thought-provoking problems. Students will study angle relationships, triangles, quadrilaterals and other polygons, right angle trigonometry, circles, and three dimensional solids. In addition, students will write formal proofs, prove geometric theorems, and integrate strong Algebra skills into Geometry. *A scientific calculator is required for this course, but a graphing calculator is recommended (model: TI-84) as it is required for Algebra 2 and Accelerated Algebra 2.*

H321. Algebra 2**Gr.10-12****1 credit****Full Year**

Prerequisite: Accelerated Geometry, Geometry, or permission of Department Chair
(Algebra/Mathematics)



Algebra 2 is a continuation of Algebra 1 and is recommended for most college-bound students. Students will solve systems of equations in two and three variables, algebraically, graphically, and with matrices, as well as quadratic (including conic sections and vectors), polynomial, exponential, radical, and rational equations. Students will solve quadratics (including conic sections and vectors) by graphing, factoring, taking square roots, the quadratic formula, and completing the square, including complex roots. Students will graph quadratic, polynomial, exponential, and radical relations. Students will apply quadratic (including conic

sections and vectors), polynomial, exponential, radical, and rational equations, as well as probability, combinations, and permutations to model situational problems. *A graphing calculator is required for this course (recommended model: TI-84).*

H329. Dual Enrollment Algebra 2 w/Quantitative Reasoning

Gr.11-12

1 credit

Full Year

Prerequisite: General Geometry, Geometry, or permission of Department Chair (Algebra/Mathematics)



Algebra 2 is a continuation of Algebra 1 and is recommended for most college-bound students. Most students who wish to continue in math after Dual Enrollment Algebra 2 take Dual Enrollment Algebra 3/Trigonometry. The DE Algebra 2 course content includes solving and graphing equations and inequalities including linear systems, absolute value, polynomials, radical, and exponential functions (including the compound interest formula); modeling real world situations with the appropriate function; complex numbers; right triangle trigonometry; statistics and probability, including combinations and permutations; and set theory. *A scientific calculator is required for this course, but a graphing calculator is recommended if a student anticipates taking Dual Enrollment Algebra 3/Trigonometry (recommended model: TI-84).*

Note: *This course is taught as a dual-credit enrollment with the Community College System of New Hampshire through the Early College program. Students who enroll as dual-credit and successfully complete this course will be awarded 4 college credits through a CSSNH institution as well as 1 credit from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded.** Official enrollment for college credit is typically required 3-5 weeks into the course.*

H323. Accelerated Algebra 2

Gr.9-11

1 credit

Full Year

Prerequisite: Accelerated Geometry or permission of Department Chair (Algebra/Mathematics)



The accelerated level student is expected to demonstrate a higher level of mathematical understanding and aptitude and enjoy being challenged by higher order thinking problems. Students are expected to be capable of extensive critical thinking, problem solving, and synthesizing new material, and this course is intended for students with strong interest and ability in mathematics. Students will solve systems of equations in two and three variables, algebraically, graphically, and with matrices, as well as quadratics (including conic sections and vectors), polynomial, exponential, logarithmic, radical, and rational equations. Students will solve quadratic (including conic sections and vectors) by graphing, factoring, taking square roots, the quadratic formulas, and completing the square, including complex roots. Students will graph quadratic, polynomial, exponential, logarithmic, radical, and rational relations. Students will apply quadratic (including conic sections and vectors), polynomial, exponential, logarithmic, radical, and rational equations, as well as probability, combinations, and permutations to model situational problems. *A graphing calculator is required for this course (recommended model: TI-84).*

H342. Dual Enrollment Algebra 3/Trigonometry

Gr.11-12

1 credit

Full Year

Prerequisite: Algebra 2, a B- or higher in RS Algebra 2, or permission of the Department Chair (Mathematics)



This Pre-Calculus course continues the study of mathematics with the focus on functions and trigonometry.

Topics include solving quadratic and polynomial equations, graphing a variety of functions with transformations, inverse functions, exponential functions, and an introduction to logarithms. The trigonometric topics include right triangles, the unit circle, graphing, equation solving, oblique triangles, vectors, and radian measure. Students who have successfully completed Pre-Calculus may not take Algebra 3/Trigonometry. Students may not take Algebra 3/Trigonometry and Pre-Calculus concurrently. *A graphing calculator is required for this course (recommended model: TI-84).*

Note: *This course is taught as a dual-credit enrollment with the Community College System of New Hampshire through the Early College program. Students who enroll as dual-credit and successfully complete this course will be awarded 4 college credits through a CSSNH institution as well as 1 credit from HBHS. Currently, New Hampshire sophomores, juniors, and seniors are able to take up to two Early College classes per academic year for no cost, subject to available funding. **Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded.** Official enrollment for college credit is typically required 3-5 weeks into the course.*

H344. Pre-Calculus

Gr.11-12

1 credit

Full Year

Prerequisite: Algebra 2, Accelerated Algebra 2, or permission of Department Chair

(Mathematics)



This Pre-Calculus course continues to build upon the function foundation from Algebra 2. Topics will include but are not limited to: functions, graphs and their transformations, polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions. Students will also develop an understanding of sequences and series, and will be able to evaluate limits graphically and analytically. The course stresses less theory and more mechanical application of the above topics. *A graphing calculator is required for this course (recommended model: TI-84).*

Note: *Students who plan to take AP Calculus must take Honors Pre-Calculus, not Pre-Calculus.*

H345. Honors Pre-Calculus

Gr.10-12

1 credit

Full Year

Weighted Course

Prerequisite: Accelerated Algebra 2 or permission of Department Chair

(Mathematics)



Honors Pre-Calculus is a rigorous course that continues the work completed in Accelerated Algebra 2 and prepares students for AP Calculus. The honors level student is expected to be able to independently and enthusiastically grasp new mathematical concepts and should exhibit a higher level of mathematical understanding. Pre-Calculus topics (including polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions) are discussed at a greater depth, and additional topics include but are not limited to: extensive higher level equation solving, rational inequalities, vectors, and polar coordinates. The theory and application of all Pre-Calculus topics is strongly stressed throughout this class. *A graphing calculator is required for this course (recommended model: TI-84).*

H346. Calculus

Gr.11-12

1 credit

Full Year

Prerequisite: Pre-Calculus, Honors Pre-Calculus, or permission of Department Chair

(Mathematics)



This is an introductory course in differential and integral calculus. Students study basic limit theorems, differentiation techniques, and integration of polynomials and transcendental functions with applications of

both. This course stresses the mechanics of calculus rather than its theory. *A graphing calculator is required for this course (recommended model: TI-84). This course does not prepare students for the AP Calculus exam. Note: This course is taught as a dual-credit enrollment with Southern New Hampshire University. Students who enroll with SNHU as part of the dual-enrollment program and successfully complete this course will be awarded 3 college credits through SNHU as well as 1 credit from HBHS. Dual Enrollment institutions may have attendance policies for awarding credit, wherein if a student exceeds a specified number of absences, no college credit can be awarded. For any students selecting the dual-enrollment option, there is a mandatory fee paid to SNHU. Payment and official enrollment for college credit is typically required 3-5 weeks into the course.*

H347. Advanced Placement Calculus AB

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Honors Pre-Calculus or permission of the Department Chair
(Mathematics)



The Advanced Placement level student is expected to demonstrate a higher level of mathematical understanding and aptitude and enjoy being challenged by higher order thinking problems. This Advanced Placement course covers differential and integral calculus. The focus in this course is on understanding and applying the theories behind these concepts while working with the mechanics and applications of each concept. Topics covered include limits, continuity, differentiation techniques, applications of differentiation, Riemann sums, integration techniques, differential equations, and applications of integration including volume. This course follows the AP Calculus AB curriculum established by College Board. *A College Board approved graphing calculator is required for this course (recommended model: TI-84).*

Note: Successful completion of the AP Calculus exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Calculus exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.

H335. Advanced Placement Statistics

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: Honors Pre-Calculus or a grade of B or higher in Accelerated Algebra 2 or Pre-Calculus, or permission of the Department Chair
(Mathematics)



This course exposes students to four broad conceptual themes: exploring data, observing patterns and departures from patterns, planning a study, and statistical inference. This course follows the AP Statistics curriculum established by College Board. *A College Board approved graphing calculator is required for this course (recommended model: TI-84).*

Note: Successful completion of the AP Statistics exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP Statistics exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.

H262. Senior Quest**Gr.12****1 credit****Full Year**

A cross-disciplinary 21st Century independent project

Prerequisite: By application only. Limited to 30 students

Elective credit is awarded



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract***Weighted Course***

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

Physical Education

Physical education is an integral part of the learning process. This program contributes to the development of health through a variety of movement activities, skills, and knowledge necessary to promote lifetime fitness, social cooperation, and a healthy well-being. In addition, there are significant intellectual and emotional benefits. Students learn to cooperate as members of a team according to the rules of fair play and good sportsmanship. Students are expected to display tolerance and respect for others as a positive contributor. Physical education grades are based on the attributes of preparation, effort, application, improvement, and skill.

H957. Fitness

Gr.9

0.5 credit

Full Year

Must be taken in conjunction with Wellness
(Physical Education)

Every Other Day

Students will develop a basic understanding of exercise physiology and movement, as well as how these relate to the various avenues of exercise, sport, and general health and wellness. The curriculum will work closely with various Wellness topics such as nutrition, physical and mental wellness, stress management, sleep practices, and goal setting. Over the course of the year, students will learn the importance of lifelong fitness and develop the skills necessary to improve their social, emotional, and physical well-being.

H405. Wellness

Gr.9

0.5 credit

Full Year

Must be taken in conjunction with Fitness
(Health Education)

Every Other Day

Wellness is a New Hampshire state graduation requirement. A variety of health topics are studied throughout the course and offer an understanding of how to maintain optimal physical, emotional, and social well-being. Topics include media literacy, nutrition, substance use and misuse, goal setting, mental health, stress management, the immune system, the reproductive system/pregnancy, first aid, and CPR.

Physical Education Electives

Any of the classes listed below meet the physical education requirement of grades 10-12. These classes cover a broad range of activities such as team and individual sports, fitness activities, winter activities, and Project Adventure. Electives are offered on a rotating basis, with relevance to the season of the year. Classes are offered each semester and meet daily. The focus for each of these classes is to expand on basic skills learned in previous physical education classes and to participate at a more advanced and in-depth level.

H959. FLEX PE—*Participation in School Athletics or Community Based Activity for Physical Education*

(Physical Education)

Gr.10-12

0.5 credit

Various

*Students in grades 10, 11, & 12 may receive credit for their participation in an Athletics Program at HBHS or Approved Community Based Physical Education Activity. Students will sign a contract that will double as an application. Once accepted, students will keep track of their hours on the approved time card provided. Students will submit their time cards for **at least 80 hours** for final approval at the end of the activity. Students*

may earn a maximum of 0.5 credit through an approved sport or approved community based activity during their time at HBHS. This credit may only be counted as Pass/Fail.

H941. Dance, Movement, and Music Gr.9-12 0.5 credit Semester
(Arts Education or Physical Education)

This course is designed for the beginning to intermediate dance student. It introduces students to sequential skills in dance performance and choreography. Students learn a variety of dance styles including jazz, tap, and modern. Students are encouraged to participate in the creative process and discover their own movement potential. Students also develop a historical perspective regarding dance through the study of many styles and genres of dance. **Participation in functions during school and after school hours is expected.**

Note: This course may be taken more than once during a student's high school career.

H052. Unified PE Gr.10-12 0.5 credit Semester
(Physical Education)

Hollis Brookline High School embraces a philosophy of including students with disabilities in all of our classes and all aspects of our school community. This course is designed to deepen that inclusion by fostering the development of relationships between students with and without disabilities, while using the benefit of physical exercise as the conduit. The focus of the mentor's work will be learning how to provide peer support in a respectful way.

H945. Outdoor Adventures (Spring) Gr.10-12 0.5 credit Semester
Prerequisite: Fitness/Wellness
(Physical Education)

This class, offered second semester, includes: Project Adventure activities, winter activities of snowshoeing and cross country skiing, map and compass/orienteering activities, hiking, and hiking safety. Group challenges and initiatives take place on the low elements of the challenge course. Students are given ample opportunity for individual challenge and personal growth consistent with the Challenge by Choice philosophy. This course is intended for outdoor activities, and appropriate clothing for winter conditions is required.

Note: Students may take up to one credit of this class during their high school career.

H942/943 Personal Fitness Fall/Spring Gr.10-12 0.5 credit Semester
Prerequisite: Fitness/Wellness
(Physical Education)

This course is centered on strength training, aerobic fitness, flexibility, biomechanics, kinesiology, and exercise physiology. The main goal is to establish, understand, and improve personal fitness levels. A personal fitness plan with individual goals will be developed and monitored. Different fitness assessments will be done throughout the semester to monitor progress. Topics such as sports nutrition, human muscular and skeletal systems, power lifting, cross training, and sport-specific training will be covered.

Note: Students may take up to two credits of this class during their high school career

H948. Team and Individual Sports (Fall)**Gr.10-12****0.5 credit****Semester**

Prerequisite: Fitness/Wellness
(Physical Education)

This course, offered first semester, expands on basic skills developing an advanced level of performance and understanding within the areas of rules, strategies, and game play. Curriculum covers a broad range of units which will challenge the individual student's overall fitness training. Various methods of assessment will be utilized, including student participation in class projects and presentations to show proficiency of understanding.

Note: *Students may take up to one credit of this class during their high school career.*

H952, H953. Intro to Strength and Conditioning Fall/Spring**Gr.10-12****0.5 credit****Semester**

Prerequisite: Fitness/Wellness
(Physical Education)

Students will learn about the basics of strength and conditioning, as well as the potential avenues a career in strength and conditioning can lead to. Musculoskeletal anatomy, exercise physiology, and kinesiology will be covered in this course. In addition, students will learn the introductory principles of strength and conditioning. Basic programming methodologies and philosophies, nutrition, and safety protocols while training will be covered. Students can expect to learn the basics of training for strength, hypertrophy, and power, and how these correlate to sports. Traditional learning methods will be employed in a classroom setting, while a more practical and hands-on experience will be utilized in the fitness center. At the conclusion of this course, students will understand what it means to practice a career as a strength and conditioning coach.

Science

Three science credits are required for graduation from Hollis Brookline High School. One credit of the three must be in a physical science, and one must be in Life Science, Biology, or Accelerated Biology. All science courses listed here qualify to meet the third science credit requirement, as well as courses designated by a “^” throughout the program of studies, or as approved at the discretion of the superintendent or designee. The chart below represents the scope and sequence of classes taken by most students. *The Hollis Brookline science curriculum is aligned with the Next Generation Science Standards (NGSS) in order to optimize our students’ success after high school. For more information, go to www.nextgenscience.org.*

There are many options for science sequence--please check for specific prerequisites at individual course descriptions.

Grade 9	Grade 10	Grade 11	Grade 12
General Science Physical Science with Earth Science Accelerated Biology	Life Science Biology Accelerated Biology Chemistry Honors Chemistry	Chemistry Essentials Chemistry and Society Chemistry Honors Chemistry	Anatomy & Physiology Honors Anatomy and Physiology AP Biology AP Chemistry Environmental Science AP Environmental Science Physics Honors Physics AP Physics 1 or 2
		(Electives) Anatomy & Physiology Honors Anatomy and Physiology AP Biology AP Chemistry Environmental Science AP Environmental Science Physics Honors Physics AP Physics 1	

H410. General Science with Earth Science +**Gr.9****1 credit****Full Year**

Prerequisite: Recommendation of Department Chair and/or Case Manager
(Physical Science)



This is a physical science course for students who may require assistance with reading scientific information, organization, math, and study skills. Topics include the structure of atoms, simple chemical reactions, household chemistry, motion, environmental problems, energy, and earth science topics. Students also learn basic laboratory procedures. This course is a fundamental class and is designed to meet the physical science requirement.

Note Students can receive credit for either General Science or Physical Science, but not both.

H411. Physical Science with Earth Science +**Gr.9-12****1 credit****Full Year**

Prerequisite: Completion of/concurrent with Algebra 1A or higher
(Physical Science)



Physical Science is a full year course. The first semester focuses on introductory concepts of physics. Curricular topics include motion, forces, and energy. The second semester focuses on introductory concepts in chemistry and earth science topics. Curricular topics include classification of matter, compounds, and bonding. Special projects may be assigned each quarter.

Note: Students can receive credit for either General Science or Physical Science, but not both.

H413. Life Science +**Gr.9-12****1 credit****Full Year**

Prerequisite: Recommendation of Department Chair and/or Case Manager
(Biological Science)



This is a biological science course for students who require assistance with reading scientific information, organization, and study skills. Topics include: the cell, classification, taxonomic groups of living things, organism biology, and ecology. This course is offered as a fundamental class and is designed to meet the biological science requirement.

Note: Students may receive credit for either Life Science or Biology/Accelerated Biology, but not both.

H421. Biology +**Gr.10-12****1 credit****Full Year**

(Biological Science)



This is an introductory biology course. Topics include scientific methods, biochemistry of life, anatomy and physiology of cells, biological processes, classification, genetics, and the study of the kingdoms, as well as taxonomic groups of living things examined on a comparative anatomy basis to illustrate the process of evolution.

Note: Students may receive credit for either Life Science or Biology/Accelerated Biology, but not both.

H454. Accelerated Biology +**Gr.9-12****1 credit****Full Year**

Prerequisite: Students are strongly encouraged to follow the recommendation of their current science teacher and strongly encouraged to have taken Accelerated Algebra and received an A in the course, as well as taking Geometry concurrently
(Biological Science)



This is a more in-depth study of topics presented in biology. Students will use critical thinking skills and process skills as they analyze their scientific work. Students will be asked to integrate scientific facts into abstract processes as they make decisions and value judgments. This path is intended for students who plan to take one or more AP electives during their senior year. This course requires an independent learner with an advanced level of effort and comprehension at an accelerated pace.

Note: Students may receive credit for either Life Science or Biology/Accelerated Biology, but not both.

H426. Chemistry Essentials +

Gr.11-12

1 credit

Full Year

Prerequisite: General Science, Life Science, and Recommendation of Department Chair and/or Case Manager

(Physical Science)



This is a physical science course for those students who may require assistance with reading and interpreting scientific information. This course is designed to help students develop their individual compensatory skills as they study chemistry. Emphasis will be on strategies for improving student reading, note taking, organization, and observation skills. Students will learn modern concepts of chemistry through a conceptual lens. The chemistry content is similar to that of Chemistry (H430) and also includes a laboratory component. Successful completion of this course fulfills one physical science requirement.

Note: Students may receive credit for Chemistry Essentials, Chemistry and Society or Chemistry/Honors Chemistry, but not more than one of these.

H429 Chemistry and Society +

Gr.11-12

1 credit

Full Year

Prerequisite: Physical Science and Biology

(Physical Science)



This course is designed for students going on to some form of higher education, not necessarily as science majors. The course is designed to meet the needs and interests of the students enrolled in a chemistry class and will investigate chemistry topics including, but not limited to, atoms, matter, chemical reactions, solutions, and acid/base chemistry. Students also will investigate chemistry topics that are currently in the news and impact our society. The class will focus around student-centered investigations, projects, expositions, and presentations.

Note: Students may receive credit for Chemistry Essentials, Chemistry and Society or Chemistry/Honors Chemistry, but not more than one of these.

H430. Chemistry +

Gr.10-12

1 credit

Full Year

Prerequisite: Physical Science or Accelerated Biology and recommendation of current teacher, completion of/concurrent with Algebra 2 (or Dual Enrollment Algebra 2) or recommendation of Department Chair

(Physical Science)



This course is recommended for the college-bound student who may or may not major in science. Students will learn modern concepts of chemistry in the laboratory. The following topics are covered: basic knowledge of physical and chemical changes, elements, mixtures and compounds, atomic structure, arrangements of electrons, periodic trends, the electromagnetic spectrum, ionic and covalent bonding, writing and balancing chemical equations, classifying chemical reactions, predicting the products of chemical reactions,

stoichiometry, acids, bases, and the importance of carbon and its compounds. Successful completion of Chemistry fulfills the physical science credit requirement.

Note: *Students may receive credit for Chemistry Essentials, Chemistry and Society or Chemistry/Honors Chemistry, but not more than one of these.*

H432. Honors Chemistry +

Gr.10-12

1 credit

Full Year

Weighted Course

Prerequisite: Completion of/concurrent with Algebra 2 or permission of Department Chair (Physical Science)



This is an in-depth first course in chemistry that meets the objectives of general chemistry in preparation for a college-level chemistry course. This course is recommended for students who intend to go on to competitive colleges and/or plan to major in science. The course is designed for students planning to go into fields of pre-med, pre-dental, engineering, or for any students wishing to demonstrate their ability to meet the challenge of an honors course. Laboratory experiments are integrated into the classroom, as they play a vital role in the understanding of chemistry. Topics covered include dimensional analysis, matter, early atomic structure, chemical formulas, nomenclature, chemical equations, chemical bonds, the mole, stoichiometry, gas laws, ionization, basic thermochemistry and calorimetry, metals and non-metals, an introduction to organic chemistry, atomic structure, periodic classification, molecular structure, chemical bonds, solutions and intermolecular forces of attraction, stoichiometry, titration, kinetics, thermodynamics, chemical equilibrium including acids and bases, electrochemistry including oxidation and reduction, and nuclear chemistry.

Note: *Students may receive credit for Chemistry Essentials, Chemistry and Society or Chemistry/Honors Chemistry, but not more than one of these.*

H440. Advanced Placement Chemistry +

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Honors Chemistry or permission of Department Chair (Physical Science)



This highly challenging college-level course provides students with an understanding of the concepts and principles required in preparation for the AP Chemistry exam. AP Chemistry is designed to offer a rigorous and challenging course covering chemical principles typical of college-level general chemistry courses. Students learn the usefulness and relevance of chemistry in both their intended areas of study and in the everyday world. Laboratory experiments are integrated into the classroom, and play a vital role in the understanding of chemistry. The experiments performed include, but are not limited to, those recommended by the College Board. Topics covered include acid-base theory, atomic theory, bonding and molecular structure, electrochemistry, equation writing, equilibrium, gas behavior, kinetics, nuclear chemistry, chemical periodicity, oxidation-reduction, states of matter, stoichiometry, and thermodynamics.

Note *Students who enroll in this course are required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP Chemistry exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Chemistry exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H433. Environmental Science +**Gr.11-12****1 credit****Full Year**

Prerequisite: Physical Science with Earth Science, Biology or Accelerated Biology, and Chemistry in Society, Chemistry (H430), or Honors Chemistry or permission of Department Chair (Physical Science)



This course provides students with the 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 or preventing them. Units of study include: Ecology, Earth Systems & Water Resources, Land use, Resources & Consumption, Pollution, and Biodiversity & Global Change.

H434. Advanced Placement Environmental Science +**Gr.11-12****1 credit****Full Year****Weighted Course**

Prerequisite: A grade of B- or higher in Physical Science with Earth Science and Biology or permission of Department Chair; B- or higher in Chemistry (H430)/Honors Chemistry or permission of Department Chair for students taking Chemistry concurrently (Physical Science)



This course provides students with an understanding of the concepts and principles required in preparation for the AP Environmental Science exam. The course provides students with the 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 or preventing them.

Note *Students who enroll in this course are required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP Environmental Science exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Environmental Science exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H448. Physics +**Gr.11-12****1 credit****Full Year**

Prerequisite: Completion of Algebra 2 or RS Algebra 2; Chemistry (H430)/Honors Chemistry; or permission of Department Chair (Physical Science)



This course is designed for college-bound students who will not major in science; however, students should have an interest in science. Topics will be explored conceptually with a secondary emphasis on mathematical interpretation. Topics include kinematics, dynamics, energy, momentum, electricity and magnetism, general wave properties, and light and sound. Projects and lab work play an important role in this course.

Note: *Not recommended for students concurrently enrolled in Calculus.*

H452. Honors Physics +**Gr.11-12****1 credit****Full Year****Weighted Course**

Prerequisite: Completion of/concurrent with Pre-Calculus (Physical Science)



This course is designed for college-bound students who are interested in science or a related major. Concepts will be explored with a strong mathematical emphasis. Topics include Newtonian Mechanics (kinematics, dynamics, energy, momentum, and angular studies) as well as studies in electricity and wave behaviors. Projects and lab work play an important role in this course.

H455. Advanced Placement Physics I +

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of A- or higher in Chemistry (H430) or B or higher in Honors Chemistry and completion of or concurrent with Pre-Calculus (Physical Science)



An in-depth, mathematically rigorous, first course in physics equivalent to a first-semester college course in algebra-based physics. This highly challenging course provides students with an understanding of the concepts and principles required in preparation for the AP Physics I exam. The course is designed to prepare students for future study in core science areas (biology, chemistry, or physics), mathematics, or other professional fields such as pre-med, pre-dental, veterinary study, or engineering. It is also designed for all science majors and other students wishing to demonstrate their ability to meet the challenge of an AP course. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanics, waves, and sound. It will also introduce electric circuits. Projects and lab work play an important role in this course.

Note *Students who enroll in this course are required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP Physics I exam may entitle the student to receive college credit depending on the policy of the individual college and the test score. Students are expected to take the AP Physics I exam at the end of the course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H446. Advanced Placement Physics II +

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B or higher in AP Physics I or permission of Department Chair (Physical Science)



This is an in-depth, mathematically rigorous, second course in physics equivalent to a second-semester college course in algebra-based physics. This highly challenging course provides students with an understanding of the concepts and principles required in preparation for the AP Physics II exam. The course is designed to prepare students for future study in core science areas (biology, chemistry, or physics), mathematics, or other professional fields such as pre-med, pre-dental, veterinary study, or engineering. It is also designed for all science majors and other students wishing to demonstrate their ability to meet the challenge of an AP course. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Projects and lab work play an important role in this course.

Note *Students who enroll in this course are required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP Physics II exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Physics II exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H4577. Anatomy and Physiology +**Gr.11-12****1 credit****Full Year**

Prerequisite: B- or higher in Physical Science with Earth Science, Biology/Accelerated Biology, and Chemistry (H430)/Honors Chemistry or permission of Department Chair



This class meets the needs of junior or senior level students who might have an interest in working in the medical field but have not yet demonstrated the ability to perform successfully at the honors/AP level. During the course, students will develop an understanding of the organ systems by focusing on anatomical vocabulary, the interrelationships between the organ systems, and what happens when organs and organ systems malfunction. Students will use critical thinking and problem solving skills to better understand the structure and function of their own bodies. Semester I examines: Tissues, Integumentary system, Skeletal system, Muscular system, Nervous system, and Endocrine system. Semester II examines: Cardiovascular system, Lymphatic system, Respiratory system, Digestive system, Urinary system, and Reproductive system. Dissections are a mandatory part of this class.

H456. Honors Anatomy and Physiology +**Gr.11-12****1 credit****Full Year***Weighted Course*

Prerequisite: Accelerated Biology and a B- or higher in Chemistry (H430)/Honors Chemistry or permission of Department Chair



This is a course that offers an in-depth investigation of the human organism and is designed for students who are interested in a career in the medical field. During this course, students will develop an understanding of the organ systems by focusing on anatomical vocabulary, the interrelationships between the organ systems, and what happens when organs and organ systems malfunction. Students will use critical thinking and problem solving skills to better understand the structure and function of their own bodies. This course requires an advanced level of effort and comprehension. Dissections are a mandatory part of this class.

H458. Advanced Placement Biology +**Gr.11-12****1 credit****Full Year***Weighted Course*

Prerequisite: Accelerated Biology and Honors Chemistry or permission of Department Chair (Biological Science)



This highly challenging course provides students with an understanding of the concepts and principles required in preparation for the AP Biology exam. The curriculum offers an in-depth exploration of the living systems of the cells, the organism, and the biosphere. Strong emphasis is directed toward experimentation, advanced lab activities, and the techniques by which scientific information about living systems is obtained. Current trends in biology are also presented.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP Biology exam may entitle the student to receive college credit, depending on the policy of the individual college and the test score. Students are expected to take the AP Biology exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H262. Senior Quest**Gr.12****1 credit****Full Year**

A cross-disciplinary 21st Century independent project
Prerequisite: By application only. Limited to 30 students
Elective credit is awarded

A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

Social Studies

Three social studies credits are required for graduation from HBHS. These credits include **Grade 9:** U.S. History, 1 credit; **Grade 10:** World Studies or AP World History, 1 credit; **Grade 11:** Civics (including 70% on U.S. Citizenship test and 60% on the locally developed assessment), 0.5 credit AND Economics, 0.5 credit.

Grade 9	Grade 10	Grade 11	Grade 12
US History (1860-present)	World Studies AP World History	Civics Introduction to Economics and Personal Finance	(Electives) AP US History AP Psychology AP US Government and Politics Anthropology Archeology Criminology Music in American History Project StartUp Psychology Sociology Senior Quest
		(Electives) AP US History AP Psychology Anthropology Archeology Criminology Music in American History Project StartUp Psychology Sociology	

H235. U.S. History
(U.S. History)

Gr.9

1 credit

Full Year



U.S. History is a required course for ninth-graders. It picks up where the eighth grade social studies curriculum leaves off, starting with Reconstruction after the Civil War, and culminates with the Reagan years. Although the content of this course is studied chronologically, the five themes of Social Studies (geography, history, economics, society, and politics) are reinforced throughout the year. Emphasis is given to critical turning points in U.S. history and the responsibilities identified with being an American citizen. Evaluation is frequent, employing both summative and formative methods. The overarching goal of the course is to help students develop the skills necessary to be critical thinkers, independent learners, and informed and confident participants in civic society.

H211. World Studies
(World Studies)

Gr.10

1 credit

Full Year



World Studies is a full-year, required course for sophomores. The course encompasses broad historical themes and their connection to critical issues facing contemporary life, such as allocation of resources, population growth, and conflict and cooperation. In addition to its content, the course will emphasize the skills necessary to achieve academic success, including research, writing, and analyzing concepts.

H214. Advanced Placement World History
Weighted Course

Gr.10

1 credit

Full Year



Prerequisite: US History or recommendation of Department Chair
(World Studies)

Students investigate the content of world history for significant events, individuals, developments, and processes focusing primarily on the time period from 1200 CE onward and develop and use historical thinking skills and methods: analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP World exam may entitle students to receive college credit, depending on the individual college and the test score. Students are expected to take the AP World History exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H221. Civics
(Civics)

Gr.11

0.5 credit

Semester



Civics is a required semester course for juniors that examines the important relationship between the people and their government. This course engages students in the study of the origins of our U.S. Federal, NH State, and local governments. Students will investigate different political ideologies and the methods and outcomes of political participation. Students will also examine their own role in the political arena and the ways in which they may make a positive impact through active civic involvement. In addition, students will learn of the rights

and responsibilities that all citizens have and share. As a part of the RSA on Civics education, students will continue their development of the skills needed to effectively participate in civic affairs, such as research, writing, and public speaking. Students will use current and historical resources to further their understanding of the role of the citizen in a civil society. **Per RSA 189 Section 11, all graduating students must pass the U.S. Citizenship Test. The test will be administered during students' semester of Civics. Students may retake the test as often as necessary in order to achieve the required 70%. Per RSA 157.1, all graduating students must also pass a "locally developed assessment." This test will also be administered during students' semester of Civics.**

H223. Introduction to Economics and Personal Finance + **Gr.11** **0.5 credit** **Semester**
(Economics)



Economics, including personal finance instruction, is a required semester course for juniors. Students will explore the foundations and fundamentals of economics and the American free market, as well as how economics relates to their lives. Topics explored include: personal finance, business practices in the United States, government in the economy, and the global economy. Students will be assessed through a variety of formative and summative measures, though problem-based learning and collaboration are emphasized.

Social Studies Electives

H245. Advanced Placement Psychology **Gr.11-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: World Studies or AP World History for rising juniors, or Civics and Economics for rising seniors, or the recommendation of Department Chair
(Social Studies)



This year-long course is open to juniors and seniors willing to commit to college-level work. Coursework entails extensive reading, writing, and research within the field of psychology. AP Psychology students are expected to work independently and contribute regularly to class discussion. Topics covered include the biological basis of behavior, research methods, personality and emotional development, cognition, social psychology, abnormal psychology, and the works of Pavlov, Skinner, Jung, Freud, Piaget, Erickson, and others.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

Note: *Students who have completed Psychology are not eligible to take AP Psychology.*

Note: *Successful completion of the AP Psychology exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP Psychology exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H236. Advanced Placement U.S. History **Gr.11-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: U.S. History and World Studies or AP World History, or recommendation of Department Chair
(U.S. History)



This course is a challenging, year-long survey of American history from 1492 to the present. Proficient reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical thinking, interpretation and evaluation of primary and secondary source documents, and writing powerful and convincing essays. Students in AP U.S. History assume the responsibilities equivalent to what is expected in a freshman-level college course.

Note: Students who enroll in this course will be required to complete a summer assignment prior to the start of class.

Note: Successful completion of the AP U.S. History exam may entitle students to receive college credit, depending on the individual college and the test score. Students are expected to take the AP U.S. History exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.

H258. Advanced Placement U.S. Government and Politics

Gr.12

1 credit

Full Year

Weighted Course

Prerequisite: Civics and Introduction to Economics, or the recommendation of the Department

Chair

(Social Studies)



This intensive college-level course provides an analytical and critical perspective on the concepts, methods, and ideas of government and politics in the United States. The dual-focused approach involves both the historic and philosophical foundations of constitutional government, the creation of the Constitution, the organization of American Government, and civil liberties and the expansion of rights over the past 225 years. While students study general concepts used to interpret American politics, this course presupposes familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Students will analyze and interpret case studies, philosophies, and ideologies of both classical and contemporary political thought and apply those principles to classroom discussion, debate, and written works to better understand their role in the political arena.

Note: Students who enroll in this course will be required to complete a summer assignment prior to the start of class and take part in the *We The People* hearing in Concord, NH in December.

Note: Successful completion of the AP U.S. Government and Politics exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP U.S. Government and Politics exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.

H241. Anthropology

Gr.11-12

0.5 credit

Semester

(Social Studies)



Anthropology is a semester-long course open to students who are intrigued by the past, other cultures, and what it means to be human. It differs from the other Social Sciences in that it traces human evolution and cultural development from millions of years ago to the present day. Through the examination of case studies, documentary films, reading, and class discussions which look at various cultural practices, students will discover how various societies have developed norms and customs to adapt to their specific environmental and social conditions.

H515. Archeology
(Social Studies)

Gr.12

0.5 credit

Semester



This course is designed to introduce students to the fundamentals of archeology. The units are structured in such a way as to break down the many uses and application of archeology in the modern world and the vital role the science will play in the upcoming years as it adapts to newer conservation efforts and technologies. Archeology covers basic field methods and practices with an opportunity for students to excavate a plot on campus as well as run a surface survey over real archeological sites in the area. This course will cover many case studies that draw out the various considerations of the archeologist when dealing with cultural materials. Archeology I also exposes students to the myriad career opportunities that exist within the field, some of which directly involve STEM sciences, anthropology, forensics, digital humanities, Classics, sociology and history. Archeology I promotes critical thinking skills, adaptive reasoning, and better understanding of the modern world through a holistic study of the past.

H239. Criminology
(Social Studies)

Gr.11-12

0.5 credit

Semester



This course will examine primarily criminal, civil, and constitutional law in the United States. A wide variety of topics will be discussed including: the definition and philosophies of justice and law, the workings of US and NH court systems, including how the Supreme Court interprets the Constitution and Bill of Rights, how criminal cases are prosecuted, and issues in the criminal justice system. Current events and historical examples of crime will be used to guide discussions, and landmark US Supreme Court cases and the criminal justice system will be analyzed in depth. A mock trial and field trip to see how the NH Courts process different cases are incorporated into the curriculum. Other learning activities in the course will emphasize 21st Century Learning skills as students will be required to think critically, collaborate, and create and communicate using a variety of technology.

H246. Music in American History

Gr.11-12

0.5 credit

Semester

Prerequisite: U.S. History
(Social Studies)



Music in American History is a course that examines the intersection of music and culture and their evolution throughout American history. Beginning with African spiritual hymns and the gospel music of the Deep South, we will trace the evolution of American music through to Blues, Jazz, and R&B, the inception of Rock 'n' Roll in the 1940s and 50s, and its fragmentation into various other forms like Country, Folk, Punk, Metal, Hip Hop, Rap, and others. The course will also examine issues related to race, sex, gender, age, equality, violence, and protest, and how various forms of music have functioned as a means to challenge the norms and status quo as it has continued to push boundaries and function as a reflection of American society throughout the ages.

H247. Project StartUp: The Entrepreneur's Journey
(Social Studies)

Gr.11-12

0.5 credit

Semester



This course provides a behavioral and humanities-based approach to business and economic opportunities. The class acts as a Start Up and builds both a foundational understanding of the entrepreneur's journey while

also engaging in a mock venture ready to be marketed by the end of the semester. The goal is to go above and beyond showing a fundamental theoretical approach towards deeper levels of critical thinking, curation, communication, and applied creation on the part of the students' efforts. Students will be assessed through a variety of formative and summative measures, though problem-based learning and collaboration are emphasized.

H244. Psychology
(Social Studies)

Gr.11-12

1 credit

Full Year



This year-long elective course provides an introduction to the study of psychology. Topics in this course include, but are not limited to, the different perspectives and influential people within the field of psychology, neurocognition, and the principles of learning, memory and the development language. The course also explores human development as it relates to maturation, personality, and society, and examines the causes, diagnosis, and treatment of psychological disorders. Students will study the concepts of this social science through the examination of their own behaviors and experiences in addition to that of the adopted text, case studies, and film.

Note: *Students who take Psychology in their junior year are ineligible to take AP Psychology as seniors.*

H259. Sociology
(Social Studies)

Gr.11-12

0.5 credit

Semester



Sociology is the study of human group behavior. This course covers topics such as racial and ethnic relations, cultural diversity, criminal behavior, marriage and divorce, and team and group activities including sports. Learning activities include class discussions, films, experiments, and readings and lectures. Students will participate in several small group projects requiring them to collaborate and think critically about numerous contemporary social issues.

H262. Senior Quest

Gr.12

1 credit

Full Year

A cross-disciplinary 21st Century independent project

Prerequisite: By application only. Limited to 30 students

Elective credit is awarded



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

Student Support Services

Hollis Brookline High School is committed to providing a continuum of services, offering students with disabilities the opportunity to actively participate in the learning environment. The HBHS Special Education Department is committed to supporting the delivery of services indicated in the Individualized Education Program (IEP) with an emphasis on increasing opportunities for students with disabilities to learn and grow with their non-disabled peers. The special education team addresses the unique needs of these students through a variety of team-designed programs and settings.

Services for Students Identified with a Disability

Services, modifications, and accommodations are provided to identified students to meet the needs indicated in the students' Individualized Education Plans (IEP). Specialized instruction is provided to meet the students' IEP goals and to develop executive functioning skills in the areas of test-taking, study skills, organization, planning, and self-advocacy. Related Services in the areas of speech/language therapy, occupational and physical therapies, and counseling are available. Special Education teachers and staff also provide consultation services and support to the teaching staff.

504 Program

The section 504 Program is dedicated to delivering accommodations to students who qualify for protection under section 504 of the Rehabilitation Act and Title II of the Americans with Disabilities Act. Accommodations are individualized to each qualifying student to ensure that despite his/her major life impacting disability, free and appropriate education is accessible.

CHOICE Program

The CHOICE Program is a non-therapeutic, alternative education program to help students achieve goals towards the completion of their high school education via alternative pathways that may include computer-based, for-credit programs or preparation for the HiSet (high school equivalency) test. Students can also work in a targeted study to receive individualized attention to achieve their academic goals. In addition, students can have the opportunity to participate in Extended Learning opportunities and have access to transition supports such as vocational assessment, assistance with job placement, counseling, and referrals to outside agencies. Students may spend all or part of their day in the program, based on their needs.

Fiemus Program

The Fiemus program is designed to meet the needs of students whose emotional challenges require an education that goes beyond the traditional curriculum. The program integrates a therapeutic skill building approach with individualized, self-paced curriculum, as well as a focus on transition. The SKILS course utilizes Dialectical Behavioral Therapy skills, self-advocacy, and goal-setting using the SMART paradigm. A strengths-based perspective engages students to build competence in academics, self-regulation, and transition planning. Students may spend all or part of their day in the program based on their needs. This program includes a Career Exploration option, in which students explore learning styles, including multiple intelligences, and aptitudes while exploring a wide range of career and interest areas. Projects, field trips, and informational interviews help students to learn more about a range of careers.

Life Skills Transitions Program

The Life Skills Transitions Program (LSTP) is designed to meet the needs of the HBHS population who are identified with Intellectual and Developmental Disabilities (IDD), Autism Spectrum Disorders (ASD), Speech and Language Disorders (SP), Multiple Disabilities (MD), Specific Learning Disabilities (SLD), Other Health Impairments (OHI), and/or Adaptive Behavior Challenges (ABC). The goal of the LSTP is to encourage and support each student in their journey to become as independent as possible within their school, home, and community. The program includes integration of academic instruction, interdependent living skills, social communications, pre- employment skill development, vocational internships with the assistance of a job coach, and adult service provider enrollment. The LSTP prepares students and their families for a successful transition into life beyond high school. This programming could include partnerships with outside programs as applicable, for example, NECC (New England Center for Children).

Note: *Life Skills courses do not count toward GPA.*

H030. Supported Study	Gr.9-12	No Credit	Semester
<i>Prerequisite: Approval from Student Intervention Team and/or 504 Team (Student Services)</i>			

Supported Study is a non-credit earning study hall that serves as a guided program in the areas of organization, self-advocacy, and time management. Enrollment in supported study is limited to those students with a documented need for a supported study hall environment.

H021. Directed Study	Gr.9-12	1 credit	Full Year
H020. Directed Study		0.5 credit	Semester
<i>Prerequisite: Per student's Individualized Education Program</i>			

Directed Study provides specialized instruction through an academic-based resource room program utilizing the students' course requirements and remedial instruction to meet IEP goals. In addition, students develop self-advocacy skills, disability education, and IEP knowledge. Transition services are provided to assist students in achieving post-secondary goals. Special Education teachers and staff also provide consultation services and support to the teaching staff. Students who have an IEP and participate in Directed Study earn up to one credit per year and grades are reported as pass/fail. **A passing grade may be earned when a student meets 70% or more of class expectations.**

H116. Literacy	Gr.9-12	1 credit	Full Year
<i>Prerequisite: Approval by Department Chair, Case Manager, School Counselor, or Assistant Principal of Student Services (English)</i>			

Literacy is a class designed to meet the needs of students who struggle with reading/writing or who struggle in a classroom setting. Admission to this class will depend, in part, on results of informal reading inventories and recommendations made by staff members. Students will work as a whole class on reading comprehension, writing, and vocabulary skills. Students also will work independently on individual skills to meet their instructional needs. This course may be repeated for credit.

H115. Reading**Gr.9-12****0.5 credit****Semester**

Prerequisite: Approval by Department Chair, Case Manager, School Counselor, or Assistant Principal of Student Services
(Student Services)

This elective course is for students who require further development of foundational reading skills. This course utilizes appropriate intervention tools and programs, such as Read 180, to help students strengthen their decoding and comprehension skills. Instruction is highly individualized and will incorporate novels, short stories, articles, and vocabulary development. Admission to the course may depend, in part, on the results of standardized and informal reading assessments. This course may be repeated for credit.

H016. English Learners (EL)**Gr.9-12****0.5 credit****Semester**

Prerequisite: WIDA ACCESS or WIDA Screener test scores, recommendation of EL teacher, and state requirements
(Elective)

The EL program is for students residing in the district whose primary language is other than English. This course develops EL students' academic reading, writing, speaking, and listening skills in English using the WIDA English Language Development standards and content standards. The EL program provides direct instruction about the functions and features of the English language that students will encounter in their academic courses. Instruction includes but is not limited to vocabulary, grammar, dictation, speaking, reading, and writing. The EL program also provides assistance and support with the language demands of students' core classes. Students exiting the course will have met state English language proficiency standards on the WIDA ACCESS test and will be able to independently access the curriculum in HBHS courses. This course may be repeated for elective credit.

H066. Wellness and Health**Gr.9-12****0.5 credit****Semester**

Prerequisite: Per Student's Individualized Education Program
(Student Services)

Wellness and Health is a class that incorporates Dialectical Behavior Therapy (DBT) skills, SMART goals, and social emotional learning activities and discussion to promote self-awareness, self-management, and healthy relationships. Students set weekly goals and evaluate their effectiveness. Physical fitness, nutrition, and other wellness concepts are also integrated. Discussion and hand-on activities are used to gain mastery of skills. This course may be repeated for credit.

H023, H024. Life Skills I, II**Gr.9-12****not for credit****Semester**

Prerequisite: Per Student's Individualized Education Program
(Student Services)

Applied Life Skills is a non-credited course designed to focus on individualized goals in the areas of independent living, community participation, and post-secondary education and training. Students' course work will focus on communication, home and health management, and self-knowledge.

H028, H029. Applied Vocational Skills I, II **Gr.9-12** **not for credit Semester**

Prerequisite: Per Student's Individualized Education Program (Student Services)

Applied Vocational Skills in a non-credited course designed to focus on individualized goals in the areas of post-secondary employment, vocational skill development, and New Hampshire regional adult services. This course is designed to meet the needs of vocational transition goals in the students' Individualized Education Programs. Students in this course are assigned by the IEP team.

H070. Work Experience Program **Gr.10-12** **Varying credit Semester**

Prerequisite: Per Student's Individualized Education Program (Student Services)

The Work Experience program allows students with disabilities an opportunity to experience working within the community. Support services may be provided by a para-educator, teacher, and/or job developer as needed. The program is designed to provide students with a meaningful workplace experience and to expose them to a variety of vocational experiences. Work experience placement is based on the Transition Plan, which is developed after assessing student interest and skill levels.

H041. Essentials for Algebra + **Gr.9-12** **1 credit Full Year**

Per student's Individualized Education Program and approval by Math Department Chair and Assistant Principal of Student Services (Mathematics)

This course is for the student who needs to further their math skills in order to successfully complete Algebra 1 prior to high school graduation. Topics to be covered include decimal operations, fraction operations, coordinate systems, signed number operations, exponents, probability, scientific notation, and rate equations. This course may be repeated for credit.

H325. Consumer Math + **Gr.11-12** **1 credit Full Year**

Per student's Individualized Education Program and approval by Assistant Principal of Student Services (Mathematics)

Students study the financial mathematical skills needed by consumers. This course focuses on personal finances, including gross pay, net pay, bank accounts, taxes, housing related expenses, budgets, loans, and credit cards. Emphasis is placed on the use of technology and financial resources. This course may be repeated for credit.

H051. Unified Music **Gr.9-12** **0.5 credit Semester**

(Arts Education)

Hollis Brookline High School embraces a philosophy of including students with disabilities in all of our classes and all aspects of our school community. This course is designed to deepen that inclusion by fostering the development of relationships between students with and without disabilities, while using the benefit of

playing different musical instruments and singing as the platform. Exposure to different types of music may help facilitate an interest into adulthood for students for leisure and adult living. The focus of the mentor's work will be learning how to provide peer support in a respectful way.

Note: *Knowledge of an instrument or singing is not required.*

H052. Unified PE
(Physical Education)

Gr.10-12

0.5 credit

Semester

Hollis Brookline High School embraces a philosophy of including students with disabilities in all of our classes and all aspects of our school community. This course is designed to deepen that inclusion by fostering the development of relationships between students with and without disabilities, while using the benefit of physical exercise as the conduit. The focus of the mentor's work will be learning how to provide peer support in a respectful way.

Visual and Performing Arts

Theater

H162. Acting I

(Arts Education)

Gr.9-12

0.5 credit

Semester



This course consists of studio scenes, Spolin improv games, and selected monologues to develop the actors' abilities to internalize and sustain characters, analyze literature, develop French Objectives, prepare for auditions, and perform, direct, and write short scenes. The course also surveys various methods of script and character analysis including, but not limited to, Uta Hagen's six points, CROW, and the Anne Bogart 9 Viewpoints.

H162. Acting II

Prerequisite: Acting I

(Arts Education)

Gr.9-12

0.5 credit

Semester



This course is continuation of Acting I, comprised of studio scenes and monologues to develop the actors' abilities to internalize and sustain characters, analyze literature, develop objective and motivation, prepare for auditions, and perform, direct, and analyze short scenes. The course also surveys various methods of script and character analysis including, but not limited to, Constantin Stanislavski's Method, Uta Hagen's six points, CROW, the Anne Bogart 9 Viewpoints, and Michael Chekhov's psychokinetics. Acting II explores the philosophical, psychological, and ethical perspectives of the paramount acting coaches (including Stanislav, Chekhov, Meisner, Adler, Strasburg, and Hagen) and the practical application of these perspectives to acting.

H816. Improvisational Theatre I

(Arts Education)

Gr.9-12

0.5 credit

Semester



Improvisational Theatre utilizes theatre exercises and activities, highlighted by the games of Viola Spolin, to teach students the skills necessary to perform spontaneous scenes as well as short and long form improv on stage. These skills include vocalization, stage presence, and incorporation of a basic knowledge of classical, historical, and contemporary topics.

Note: Participation in concerts and functions during school and after school hours is expected.

H817. Improvisational Theatre II

Prerequisite: Improvisational Theatre I

(Arts Education)

Gr.9-12

0.5 credit

Semester



This course is designed to refine the students' understanding and application of the art of improvisation, to develop a deeper understanding of the art, to establish positive self-confidence by polishing performing skills, and to assist with the introduction of the art to beginning students. Long form improv strategies, including the Braid, Armando, Harold, and ASCAT forms and Michael Gellman's Process techniques, are explored in depth. In addition, the students will create special projects using research and presentation skills, as well as

continue to learn to create a positive, supportive environment in which to accept and give critiques.

H163. Theatre Studies
(Arts Education)

Gr.9-12

1 credit

Full Year



Areas of study in this course include technical theatre, acting, and playwriting. This course may be repeated for credit by choosing a different area of study. The acting and technical tracts are open to all grade levels. Playwriting/Directing is open only to grades 10 and 11. The aspects covered will include technical practicum and design, rehearsal and performance, written critiques, original plays, and production of original materials and published works.

Note: Participation in concerts and functions during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

Music

H910. Concert Band

Gr.9-12

1 credit

Full Year



Prerequisite: Flute, Oboe, Clarinet, Bassoon, Saxophone, Trumpet, French Horn, Trombone, Euphonium/Baritone, Tuba, Percussion, Upright Bass

(Arts Education)

This course covers the standard band repertoire in addition to contemporary music. Students will focus on ensemble concepts such as balance, blend, tone, and intonation. Through selected literature, students will also gain improved technical facility and knowledge of their own instrument. The course is open to all students who play a band instrument.

Note: Participation in concerts and functions during school and after school hours is expected.

H912. Jazz Band

Gr.9-12

1 credit

Full Year



Prerequisite: Bass guitar, guitar, piano, and drum players must audition for this class

(Arts Education)

Students will cover the standard repertoire as well as contemporary music. Students will learn basic improvisational techniques in addition to the ensemble experience. Students will also be expected to develop music reading skills and learn basic theory. This class is open to all students who play saxophone, trombone, trumpet, bass guitar, guitar, piano, upright bass, and drums.

Note: Participation in concerts and functions during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

H911. Honors Jazz Band

Gr.10-12

1 credit

Full Year



Weighted Course

Prerequisite: Jazz Band or Concert Band and audition in April of the previous academic year

(Arts Education)

Students cover the standard repertoire as well as contemporary music and learn improvisational techniques in addition to ensemble techniques. This is a select ensemble and requires instructor approval based on audition.

Note: Participation in concerts, functions, and instructor approved Honors-level performance or

educational opportunities during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

H915. Guitar
(Arts Education)

Gr.9-12

0.5 credit

Semester



This course is designed for students with little or no experience in guitar. Students learn tuning, music notation, and tablature. Chord construction, knowledge of scales, and performance of tunes is emphasized.

Note: Students must own an acoustic guitar for enrollment.

H916. Guitar II

Gr.9-12

0.5 credit

Semester



Prerequisite: B- or higher in Guitar I or instructor's approval

(Arts Education)

Guitar II requires that guitar performance ability and music reading level are commensurate with the successful completion of Guitar H915. Students will continue to improve their technique, ability to read music notation, and understanding of music theory. Individual and ensemble playing will be emphasized.

Note: Students must own an acoustic guitar for enrollment.

H922. Concert Choir

Gr.9-12

1 credit

Full Year



(Arts Education)

Concert Choir offers students the opportunity to explore vocal music through participation in a larger ensemble. It is open to students who demonstrate a sufficient degree of vocal/musical facility and ensemble awareness to perform a variety of literature and musical styles at a moderate level of difficulty, though prior choral experience is not necessary. While the focus is on choral performance, skills in music literacy, ear training, vocal anatomy and health, and fundamental bel canto and contemporary vocal technique, the fundamentals of music theory, sight singing, and historical, emotional, and social context/interpretation will also be addressed.

Note: Participation in concerts and functions during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

H920. Honors Choir

Gr.10-12

1 credit

Full Year



Weighted Course

Prerequisite: Concert Choir and audition in April of the previous academic year

(Arts Education)

Honors Choir is an advanced-level chamber vocal ensemble and requires instructor approval based on auditions, which occur in early-mid April of the previous academic year. This ensemble is for students who demonstrate an advanced degree of vocal/musical facility and ensemble awareness to perform a variety of literature and musical styles at a medium-advanced level of difficulty. While the focus is on choral performance, skills in music literacy, ear training, vocal anatomy and health, and fundamental bel canto and contemporary vocal technique, the fundamentals of music theory, sight singing, and historical, emotional, and social context/interpretation will also be strongly addressed.

Note: Participation in concerts, functions, and instructor approved Honors-level performance or

educational opportunities during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

H931. Music Theory and Composition
(Arts Education)

Gr.9-12

0.5 credit

Semester



This course is designed to cover basic fundamentals of music theory. Students learn to identify intervals, clefs, and simple harmonization, as well as construct scales and chords, etc. Students learn the art of composing vocal and instrumental music. This course is particularly helpful for students who take a performing ensemble, Guitar class, or are studying privately. It is strongly recommended for students wishing to pursue music studies in college.

H051. Unified Music
(Arts Education)

Gr.9-12

0.5 credit

Semester



Hollis Brookline High School embraces a philosophy of including students with disabilities in all of our classes and all aspects of our school community. This course is designed to deepen that inclusion by fostering the development of relationships between students with and without disabilities, while using the benefit of playing different musical instruments and singing as the platform. Exposure to different types of music may help facilitate an interest into adulthood for students for leisure and adult living. The focus of the mentor's work will be learning how to provide peer support in a respectful way.

Note: Knowledge of an instrument or singing is not required.

Dance

H941. Dance, Movement, and Music
(Arts Education or Physical Education)

Gr.9-12

0.5 credit

Semester



This course is designed for the beginning to intermediate dance student. It introduces students to sequential skills in dance performance and choreography. Students learn a variety of dance styles that may include ballet, jazz, tap, modern, hip-hop, and partner dancing. Students are encouraged to participate in the creative process and discover their own movement potential. Students also develop a historical perspective regarding dance through the study of many styles and genres of dance.

Note: Participation in concerts and functions during school and after school hours is expected.

Note: This course may be taken more than once during a student's high school career.

Visual Arts

Starting point	(has prerequisites)	
Fundamentals of Art	Drawing (1, 2) Painting	AP Art and Design
<i>(Electives without prerequisites)</i>		
Ceramics		
Introduction to Graphic Arts		
Digital Photography 1	Digital Photography 2	
Sculpture		

H850. Fundamentals of Art (Arts Education)

Gr.9-12

0.5 credit

Semester



The Fundamentals of Art course is designed as an introduction to the Visual Arts program and forms the basis for many other Visual Arts courses offered. It consists of a discipline-based study of art production, art criticism, art history, and aesthetics. Students develop their work focusing on the elements and principles of design. They have the opportunity to manipulate several media as they learn the basic techniques for drawing, painting, two-dimensional design, and three-dimensional design.

H860. Sculpture (Arts Education)

Gr.9-12

0.5 credit

Semester



This course presents students with an introductory exploration of three-dimensional form. Students work through a series of progressive assignments that encourage a practical understanding of visual elements through media such as cardboard, wire, modeling clay, and foam core.

H356. Introduction to Graphic Arts (Arts Education, Practical Arts)

Gr.9-12

0.5 credit

Semester



Using *Adobe Illustrator*, *Photoshop*, and *InDesign*, students learn the art of combining graphic design principles (line, shape, color, value, texture, and form) with typography to visually and creatively communicate information.

H868. Advanced Placement Art and Design**Gr.11-12****1 credit****Full Year***Weighted Course*

Prerequisite: Fundamentals of Art, Drawing 1, and one of the following: Sculpture, Ceramics, Drawing 2, Digital Photography 1, or recommendation of Department Chair
(Arts Education)



This course is intended for highly motivated, self-disciplined students who are committed to the serious study of art. AP Art and Design focuses on a variety of experiences demonstrating a range of understanding of media, techniques, aesthetics, and art history. Students will create portfolios that will entail a two-section structure: selected works and sustained investigation. They will demonstrate a fundamental competence and range of understanding in visual concerns and methods and show skillful synthesis of materials, processes, and ideas.

Note: *Successful completion of the AP Art and Design exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP Studio Art exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H858. Ceramics**Gr.9-12****0.5 credit****Semester**

(Arts Education)



Students focus on the theory and practice of basic ceramics, including methods of hand construction, glazing, and kiln firing. Emphasis is placed on the historical and cultural background of the craft.

H856. Drawing 1**Gr.9-12****0.5 credit****Semester**

Prerequisite: Fundamentals of Art
(Arts Education)



In this course, students explore a variety of subjects, techniques, and materials to expand their drawing skills. Pencil, colored pencil, charcoal, pastel, and ink are some of the materials used to create still-lives, portraits, landscapes, illustrations, abstract compositions, and perspective drawings.

H857. Drawing 2**Gr.10-12****0.5 credit****Semester**

Prerequisite: Drawing 1
(Arts Education)



In this course, students expand on and continue to develop skills introduced in Drawing 1, with further skill development by expanding their understanding of the elements and principles of design as applied to two-dimensional drawing, as well as exploring for intricate media and techniques and beginning to formulate portfolio-caliber pieces.

H853. Painting**Gr.9-12****0.5 credit****Semester**

Prerequisite: Fundamentals of Art
(Arts Education)



This course focuses on aspects of form, media, materials, and techniques in structured, specific class problems.

Students further develop their understanding of color theory and pictorial quality.

Note: Students may repeat this course for credit, focusing on further development of aspects taught in the introductory level.

H872. Digital Photography 1

Gr.9-12

0.5 credit

Semester

(Arts Education)

This introductory course deals with digital photography and teaches basic camera handling, how cameras work, how lighting works, and how to use photo editing software. Composition guidelines and the elements and principles of art are introduced. Students will be required to complete weekly homework assignments and will create a portfolio of their work by the end of the course.

Note: Any DSLR with adjustable manual focus is recommended.



H873. Digital Photography 2

Gr.9-12

0.5 credit

Semester

Prerequisite: Digital Photography 1

(Arts Education)

This advanced photography course builds on skills and techniques learned and mastered in Photography 1. Students will explore advanced technical, artistic, and commercial aspects of digital and traditional film photography. Students will prepare a portfolio of work to exhibit at the completion of the course. Students will be required to complete weekly homework assignments, will produce a website for their photography work, and learn ways to market their photography and get work in the field.

Note: It is highly recommended that students have access to a DSLR with adjustable manual focus and/or exposure capability.



H262. Senior Quest

Gr.12

1 credit

Full Year

A cross-disciplinary 21st Century independent project

Prerequisite: By application only. Limited to 30 students

Elective credit is awarded



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

World Language

Through a communicative approach, the World Language Department promotes proficiency in languages along with knowledge of cultures and literature and strives to foster an appreciation of differences and similarities among peoples and nations. The World Language Department teachers use an organic approach to teaching by following the Six Core Practices in second language acquisition: *Use target language for learning, Use authentic cultural resources, Design communicative activities, Plan with a backward design model, Teach grammar as concept in use it in context, Provide appropriate feedback.* Many colleges and universities have a world language requirement and prefer that students study the same language for a minimum of three years at the high school level. Students who excel in the target language in eighth grade typically enroll in level two as a freshman and therefore have the potential to continue through the fifth level. Students who have not developed a strong base in the language are strongly urged to enroll in level one. Students and parents should work with their language teachers and school counselors to choose the best placement and to maximize the potential for success in the language studied.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
NO French/Spanish	Intro to Modern Language	French/Spanish I	French/Spanish II	French/Spanish III
Reading	Intro to Modern Language	French/Spanish I	French/Spanish II	French/Spanish III
Reading	French/Spanish I <i>*if recommended</i>	French/Spanish II	French/Spanish III	French/Spanish IV OR Honors IV
French/Spanish I	French/Spanish I	French/Spanish II	French/Spanish III	French/Spanish IV OR Honors IV
French/Spanish I	French/Spanish II <i>*if recommended</i>	French/Spanish III	French/Spanish IV	
French/Spanish I	French/Spanish II <i>*if recommended</i>	French/Spanish III	French/Spanish Honors IV	AP French/Spanish
		Latin I	Latin II	Latin III (to be offered 2026-2027)
			Latin I	Latin II

H505. Introduction to Modern Languages**Gr.9-10****1 credit****Full Year**

Prerequisite for Grade 9: Students are strongly encouraged to follow the recommendation of the Reading Specialist or World Language teacher or the permission of the Department Chair
 (World Language, Elective credit)

This course is designed for students who have participated in the reading program at the middle school and would like to improve their English grammar skills prior to learning a world language. IML provides an introduction to the concept of language. Through this second language learning approach, students will gain knowledge and awareness of languages, countries, traditions, and customs worldwide. Skills learned in this course have proven to be a valuable precursor to successful completion of future world language classes.

H510. French I**Gr.9-11****1 credit****Full Year**

Prerequisite for Grade 9: Students are strongly encouraged to follow the recommendation of the Reading Specialist or World Language teacher, or the permission of the Department Chair
 (World Language)



This course develops the students' abilities to read, write, speak, and understand simple French used in day-to-day living through authentic sources. Accurate pronunciation and fundamentals of good usage in writing and speaking are stressed. Cultural awareness is a major goal of this course, including that of listening to native speakers. Most readings, projects, and vocabulary are centered on cultural topics. Students are expected use more French during class as they expand their communication skills.

H520. French II**Gr.9-12****1 credit****Full Year**

Prerequisite: French I, students are strongly encouraged to follow the recommendation of the World Language teacher or permission of the Department Chair
 (World Language)



This course is a continuation of the French I program. It reinforces and strengthens all four aspects of the language – reading, writing, listening, and speaking – as well as develops a greater awareness and understanding of French culture through authentic sources. Students are expected to use more French during class as they expand their communication and listening skills and continue to improve their understanding of native speakers. This course is intended for any student who wants to continue with a study of the French language.

H530. French III**Gr.10-12****1 credit****Full Year**

Prerequisite: French II or the permission of the Department Chair
 (World Language)



This course offers the opportunity for students to apply the knowledge learned in the previous two levels, while continuing to learn new concepts in all four aspects of a language--reading, writing, listening, and speaking--through authentic sources. A broad range of short stories, plays, poetry, music, and films in French will be presented. The study of Francophone culture, geography, and historical concepts are combined with a

thorough presentation and review of grammar. Students will continue to use more French during class as they expand their communication skills, while continuing to listen to and understand native speakers. This course is intended for students who have successfully completed the first two levels of French and are eager to apply their knowledge and better communicate with the world around them.

H540. French IV

Gr.11-12

1 credit

Full Year

Prerequisite: French III or the permission of the Department Chair
(World Language)



This course is offered to students who wish to further study the French language and culture but don't want to continue into the AP French course. These students must have successfully completed French through the third level. This course is designed to incorporate history, culture, and contemporary issues in the Francophone world and French cultures through authentic sources such as music, film, and literature. A continuation of French grammar and vocabulary will coincide with each unit. In this course, students will be provided with an in-depth view and analysis of the topics and themes covered. Students are encouraged and expected to use the language in and outside of the classroom.

H541. Honors French IV

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in French III or permission of Department Chair
(World Language)



Students will further expand and fine-tune their ability to communicate in French effectively in all four areas of communication (speaking, listening, reading, and writing). The curriculum includes oral presentations on various topics, skits, interviews, impromptu speeches, reports, projects, etc. Contemporary vocabulary for everyday situations will be studied on a weekly basis. Compositions and email replies will be done on a regular basis. There will be an in-depth review and study of grammar. The six themes, based on the College Board's Curriculum Framework, will be introduced throughout the year. Students will expand their knowledge of French and Francophone cultures through authentic sources. Class is conducted completely in French (except in rare cases to explain administrative procedures and difficult grammar), and students are expected to use the target language during class at all times, unless given permission to do otherwise. This course is conducted as a precursor to the AP level, and it is designed for any student with a strong command of and interest in French.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

H562. Advanced Placement French

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Honors French IV or permission of Department Chair
(World Language)



In accordance with AP guidelines, this course will provide students with a learning experience equivalent to that of a third-year college course in French language. This means developing a strong command of the French language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. Students are also further exposed to the world of literature and current events of French-speaking countries through authentic written texts, including newspaper and magazine articles, literary texts, and other nontechnical

writings that develop students' reading and comprehension abilities. Class is conducted completely in French (except in rare cases to explain administrative procedures and difficult grammar) and includes frequent writing and integration of skills with a rigorous review of grammatical structure, and the six themes, based on the College Board's Curriculum Framework, will be the focus of the teaching and learning throughout the year. Students will make connections between their learning in the French classroom, their learning in other classes, and their daily lives. Students will use French in ways that reach or approach a high level of proficiency. Advanced organizational and analytical strategies are taught. An array of resources is used as necessary to facilitate the learning process. Students are required to use the target language during class at all times.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

Note: *Successful completion of the AP French exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP French exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.*

H511. Spanish I

Gr.9-11

1 credit

Full Year

Prerequisite for Grade 9: Students are strongly encouraged to follow the recommendation of the Reading Specialist or World Language teacher or the permission of the Department Chair (World Language)



This course develops the students' abilities to read, write, speak, and understand simple Spanish used in day-to-day living through authentic resources. Accurate pronunciation and fundamentals of good usage in writing and speaking are stressed. Cultural awareness is a major goal of this course, including that of listening to native speakers. Most readings, projects, and vocabulary are centered on cultural topics. Students are expected to use more Spanish during class as they expand their communication skills.

H524. Spanish II

Gr.9-12

1 credit

Full Year

Prerequisite: Spanish I, students are strongly encouraged to follow the recommendation of the World Language teacher, or the permission of the Department Chair (World Language)



This course is a continuation of the Spanish 1 program. It reinforces and strengthens all four aspects of the language – reading, writing, listening, and speaking – as well as develops a greater awareness and understanding of Hispanic culture through authentic sources. Students are expected to use more Spanish during class as they expand their communication and listening skills and continue to improve their understanding of native speakers. This course is intended for any student who wants to continue with a study of the Spanish language.

H536. Spanish III

Gr.10-12

1 credit

Full Year

Prerequisite: Spanish II or the permission of the Department Chair (World Language)



This course offers the opportunity for students to apply the knowledge learned in the previous two levels, while continuing to learn new concepts, in all four aspects of a language--reading, writing, listening, and speaking--through authentic sources. Students will continue to use more Spanish during class as they expand their communication skills, while continuing to listen to and understand native speakers. This course is

intended for students who have successfully completed the first two levels of Spanish and are eager to apply their knowledge while better communicating in the world around them.

H545. Spanish IV

Gr.11-12

1 credit

Full Year

Prerequisite: Spanish III or permission of the Department Chair
(World Language)



This course is offered to students who wish to further study the Spanish language and culture but don't want to continue into the AP Spanish course. These students must have successfully completed Spanish through the third level. This course is designed to incorporate history, culture, and contemporary issues in the Hispanic world and Spanish cultures through authentic sources such as music, film, art, and literature. A continuation of Spanish grammar and vocabulary will coincide with each unit. In this course, students will be provided with an in-depth view and analysis of the topics and themes covered. Students are encouraged to use the language in and outside of the classroom.

H546. Honors Spanish IV

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Spanish III or permission of Department Chair
(World Language)



Students will further expand and fine-tune their abilities to communicate Spanish effectively in all four areas of communication (speaking, listening, reading, and writing). The curriculum involves oral presentations on various topics, skits, interviews, impromptu speeches, reports, projects, etc. Contemporary vocabulary for everyday situations will be studied on a weekly basis. Compositions and email replies will be done on a regular basis. There will be an in-depth review and study of grammar. The six themes, based on the College Board's Curriculum Framework, will be introduced throughout the year. Students will expand their knowledge of Spanish and Latin American culture through authentic sources. Class is conducted completely in Spanish (except in rare cases to explain administrative procedures and difficult grammar), and students are expected to use the target language during class at all times, unless given permission to do otherwise. This course is conducted as a precursor to the AP level, and it is designed for any student with a strong command of and interest in Spanish.

Note: *Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*

H565. Advanced Placement Spanish

Gr.11-12

1 credit

Full Year

Weighted Course

Prerequisite: A grade of B- or higher in Honors Spanish IV or permission of Department Chair
(World Language)



In accordance with AP guidelines, this course will provide students with a learning experience equivalent to that of a third-year college course in Spanish language. This means developing a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. Students are also further exposed to the world of literature and current events of Spanish-speaking countries through authentic written texts, including newspaper and magazine articles, literary texts, and other

nontechnical writings that develop students' reading and comprehension abilities. Class is conducted completely in Spanish (except in rare cases to explain administrative procedures and difficult grammar) and includes frequent writing and integration of skills with a rigorous review of grammatical structures, and the six themes, based on the College Board's Curriculum Framework, will be the focus of the teaching and learning throughout the year. Students will make connections between their learning in the Spanish classroom, their learning in other classes, and their daily lives. Students will use Spanish in ways that reach or approach a high level of proficiency. Advanced organizational and analytical strategies are taught. An array of resources is used as necessary to facilitate the learning process. Students are required to use the target language during class at all times.

Note: Students who enroll in this course will be required to complete a summer assignment prior to the start of class.

Note: Successful completion of the AP Spanish exam may entitle the student to receive college credit, depending on the individual college and the test score. Students are expected to take the AP Spanish exam at the end of this course for a fee of approximately \$100, payable to College Board. Financial assistance is available to those who qualify for SAT waivers.

H512. Latin I
(World Language)

Gr.10-12

1 credit

Full Year



This course functions as an introduction to Latin that focuses on the relevance of classical languages and their enduring influence on Romance languages such as French and Spanish. English grammar is studied in conjunction with Latin grammar in order to form a more complete understanding of both. Students learn to pronounce Latin correctly, read Latin aloud, and to translate stories from Latin to English. The majority of the class focuses on grammar, vocabulary, and etymology, all of which strengthen students' overall language base. In addition, Latin I introduces a more in-depth study of Roman culture, history, archeology, and myth to accompany and better contextualize the primary language component. The influence of the ancient Greek language along with Greek culture and myth upon Latin and the Romans are also key components of the curriculum. Juniors will be given preference for enrolling in this course.

H522. Latin II

Gr.11-12

1 credit

Full Year

Prerequisite: Latin I or permission of the Department Chair

(World Language)



This course builds upon skills developed in Latin I, including a more intensive study of Latin grammar and the introduction of true Latin syntax. Students will continue to learn significant amounts of vocabulary, in addition to challenging new grammatical concepts. Latin II students will begin to work with authentic Latin texts from antiquity, as well as translate more complex, artificial Latin stories from the curriculum textbook. Etymology, Greek/Roman culture, and spoken Latin continue to be critical components of the Latin sequence. Latin 2 will enable students to engage with primary source Roman authors, analyze and compare the cultural aspects and perspectives of various Classical Greek and Roman texts, and generate language that involves basic-intermediate vocabulary and grammar patterns.

*****. Latin III**

Gr.12

1 credit

Full Year

Prerequisite: Latin II or permission of the Department Chair

(World Language)



****This course will be offered in the 2026-2027 Academic Year to correspond with students who wish to take Latin I as sophomores starting in the 2024-2025 Academic Year.****

H262. Senior Quest

Gr.12

1 credit

Full Year

A cross-disciplinary 21st Century independent project

Prerequisite: By application only. Limited to 30 students

Elective credit is awarded



A capstone to the academic career of those enrolled, Senior Quest offers students a chance to engage in a self-directed, project-based process aided by a faculty adviser. Throughout the year, Senior Quest students will develop their skills as critical thinkers, collaborators, creators, and communicators as they explore a subject of deep, personal interest. The students' project development will unfold in four phases, coinciding with each quarter, which they will document via an original website dedicated to showcasing their experience. Their endeavor will culminate in a finished project or performance presentation open to HBHS faculty, students, and community.

Senior Quest: Honors-by-Contract

Weighted Course

Students enrolled in Senior Quest have the option of Honors-by-Contract. To be eligible for Honors credit, students must agree to the terms outlined in a contract determined by the Senior Quest teacher at the beginning of the year.

Career and Technical Programs and Courses

Hollis Brookline students are eligible to participate in Alvirne, Nashua North, and Nashua South High Schools' career and technical education programs. **The class listings on the following pages are subject to change, based on the 2023-2024 course offerings at the technology centers.** All courses take a hands-on approach to learning and prepare students for the work force, a technical college, or a four-year school. These classes are two periods in length and usually require one period for transportation to and from the school. Transportation is provided to these programs. All of the courses within the Career and Technical Programs have designated course numbers and descriptions. Interested students should state their intentions to their school counselors prior to the end of their sophomore year. If a comparable CTE course is offered at different locations, whenever possible and subject to availability, the principal may use discretion to decide which program will be attended by students. *Some courses may qualify as a 4th year math experience or as a 3rd applied science credit, as approved at the discretion of the superintendent or designee.*

ALL COURSES WITHIN THE CTE PROGRAM QUALIFY AS CAREER PATHWAY RELATED COURSES FOR NEW HAMPSHIRE SCHOLARS WITH CAREER PATHWAY EMPHASIS DESIGNATION.



Programs

Alvirne High School

The following courses are available to students at Hollis Brookline High School and are offered as part of a two-year program to be taken during a student's Junior and Senior years.

Air Force JROTC
Computer Science 1 & 2
Heavy Duty Mechanics 1 & 2
Natural Resources 1 & 2
Veterinary Science 1 & 2
Welding & Fabrication 1 & 2

Nashua Technology Center

The following courses are offered as part of a two-year program to be taken during a student's Junior and Senior years. Juniors and students who will be able to complete BOTH years of the program are given preference when enrollments in these courses are determined. Students must fill out an application (available from the School Counseling Department) for the first year of the program. Students who successfully complete the first year (level 1) of the program with a C- or higher will be allowed to enroll in the second level. Unless otherwise indicated, the courses are worth two credits and are considered restricted elective and free choice electives.

Advanced Manufacturing 1 & 2
Automotive Tech 1 & 2
Biotechnology 1 & 2
2
CADD 1 & 2
Careers in Education 1 & 2
Media)
College Accounting 1 & 2
Construction Tech 1 & 2

Computer Networking 1 & 2
Cosmetology 1 & 2
Culinary Arts 1 & 2

Design & Visual Comm. 1 & 2
Electrical Technology 1 & 2

Engineering Pathways Electives
Finance (Business, Global)

Intro to Engineering Design
Health Sciences 1 & 2
Hospitality & Hotel Management 1 &
2

HVAC 1 & 2
Marketing (Retail, Sports, Social

Small Business Management
Video Production & Broadcasting 1&2

Courses

Accounting

College Accounting 1 (Nashua) **Gr. 11** **1 Credit** **Semester**
(Practical Arts)

Accounting is the language of business. Students utilize spreadsheet software to keep financial records, summarize data, and analyze information to provide assistance to management for decision-making. This course is essential to any student considering a major in accounting, management, marketing, or finance.

College Accounting 2 (Nashua) **Gr. 11** **1 credit** **Semester**
Prerequisite: College Accounting 1
(Practical Arts)

This college level course uses computerized accounting systems to expand on the foundation of previous accounting courses with a focus on corporate accounting. This course is highly recommended for students who plan to major in accounting, finance, marketing, or business management.

Air Force JROTC

JROTC 1 (Alvirne) **Gr. 11-12** **Credit TBD** **Full Year**

This is the entry-level course for Junior ROTC, and first-time students are usually enrolled in this course regardless of their school status. Aerospace Academics focus on the history of aviation. The study of aviation pioneers and strong military leadership complements the history lessons. Leadership Education is designed to help freshmen adapt to the high school environment, and include time management, fitness and wellness, flag etiquette, and customs and courtesies of the Air Force.

JROTC 2 (Alvirne) **Gr. 11-12** **Credit TBD** **Full Year**

Prerequisite: Completion of or concurrent enrollment in JROTC 1 (with prior approval of instructor)

This is the second year course for Junior ROTC and is still taught at an introductory level. Aerospace Academics focus on the science of aviation, covering topics such as basic aerodynamics, aviation physiology, meteorology, and navigation. Additionally, topics in space studies are covered to include the solar system and the development of the U.S. Space Program. Leadership Education is designed to improve student communication skills, and includes speaking and writing assignments, study of individual and group behavior, and basic leadership concepts.

JROTC 3 (Alvirne) **Gr. 11-12** **Credit TBD** **Full Year**

Prerequisite: JROTC 1 & 2 or concurrent enrollment with prior approval of instructor

This is the third year course for Junior ROTC and is more academically challenging than JROTC 1 and 2. Aerospace Academics for this course is focused on Global Studies. This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Leadership Education Academics are designed to study and improve student management skills, to guide in choosing a career path, to help with how to apply for and fund college,

and to instruct in a skills inventory and resume writing.

JROTC 4 (Alvirne)

Gr. 11-12 Credit TBD Full Year

Prerequisite: JROTC 3

This is the fourth year course for Junior ROTC. Cadets in this class will be held to the highest academic and behavioral standards. Cadets in JROTC 4 will be charged with the management and leadership of the Alvirne High School cadet organization. Returning JROTC students must have an excellent academic record of performance and an exemplary record of behavior and classroom conduct, not only in JROTC but in all classes, in order to enroll in JROTC. Students not meeting that standard may be denied enrollment in JROTC 4. The Leadership Educations Academics are all designed to study and improve student management skills. Students from JROTC classes may be assigned to supervise JROTC 1 classes.

Automotive Technology

Heavy Duty Mechanics 1 (Alvirne)

Gr. 11 2 Credits Full Year

(Practical Arts)

This course is designed to give students an understanding of large diesel and gasoline engines, as related to construction and agricultural equipment. Subject areas include equipment operation and maintenance, theory of engine operation, engine overhaul, hydraulics, power train, operation, welding, diagnostics, and troubleshooting. Safety will be stressed in all aspects of the course. Students will apply what they learn by gaining practical experience in the heavy equipment shop. Students can apply what they learn to help them with careers in mechanics, agriculture, construction, or trucking.

Heavy Duty Mechanics 2 (Alvirne)

Gr. 12 2 Credits Full Year

Prerequisite: Heavy Duty Mechanics 1

(Practical Arts)

This course allows students to apply and expand upon skills and knowledge gained in the first year of the program. Students will work on construction and agricultural equipment, performing repair, overhaul, diagnostics, and troubleshooting. Students will become independent through projects requiring record keeping, disassembly, analysis, replacement of parts, and final reassembly to a working condition. Students will troubleshoot basic diesel engine malfunctions using the latest computer technology. This course will help prepare students for an entry level job in heavy equipment maintenance or a technical school program in mechanics. Students can earn their OSHA 10 Safety Certifications.

Automotive Technology I (Nashua)

Gr. 11 2 Credits Full Year

Prerequisite: Algebra 1 and 9th or 10th grade science

(Practical Arts)

Automotive Technology I explores the transportation industry, automotive industry, and specific automotive systems. Students learn about the automotive industry, vehicle lubrication, wheels and tires, brake systems, basic automotive electronics, and steering and suspension. Instruction time is divided between the classroom and the shop. Students are required to maintain a notebook and participate in repair and maintenance procedures in the automotive lab.

Note: *Applicants must possess a valid driver's license without any violations.*

Note: *College Credit may be available through the Dual Enrollment program.*

Automotive Technology 2 (Nashua) **Gr. 12** **2 Credits** **Full Year**

Prerequisite: Automotive Technology 1 (Practical Arts)

Students will participate in this work-study program consisting of instructional time spent in the classroom, as well as automotive lab and work time in area automotive service centers. Automotive Technology 2 is designed to prepare the student for further studies at the post-secondary level and/or a position in an entry-level job within the automotive repair industry.

Note: Applicants must possess a valid driver's license without any violations.

College Credit: May be available through the Dual Enrollment program.

Biotechnology

Biotechnology & Biomedical Sciences 1 (Nashua) **Gr. 12** **2 Credits** **Full Year**

Prerequisite: Algebra 1

(Life Science/Biology)

Students study biology and explore biotechnology by working in a real world laboratory environment. Learn basic protocols and advanced techniques for analyzing cell structures, genetic manipulation, medical microbiology, molecular biology, forensic analysis, and protein production. In this academic course, students will explore the theories and technologies of the rapidly expanding biotech industry through valuable hands-on activities conducted in a state-of-the-art laboratory. Internships are also available for qualified students. Lab coats are required for this class. This course satisfies the Biology credit requirement.

Biotechnology & Biomedical Sciences 2 (Nashua) **Gr. 12** **2 Credits** **Full Year**

Prerequisite: Biotechnology & Biomedical Sciences 1

(Science)

Become skilled in laboratory techniques most in demand in today's biotech industry. Learn more about genetics, cell structure, protein production, and purification. Re-create actual industry investigations in a real-world biotech laboratory. Write a resume and build a personal portfolio by writing technical labs and protocols. Guest speakers and field trips will supplement your lab and class work. Internships may be available for qualified students.

Business and Hospitality

Business Finance (Nashua) **Gr. 11-12** **1 Credit** **1 Semester**

(Practical Arts)

Explore the principles and practices for the financial industry of the United States. Develop a strong foundation in banking, credit, investments, and insurance from the perspective of both consumer and industry specialists. Students understand and develop a good personal financial plan. This course, on its own or coupled with Global Finance, strengthens students' understanding of domestic financing opportunities.

Global Finance (Nashua) **Gr. 11-12** **1 Credit** **Semester**

(Practical Arts)

The goal of this course is to provide a conceptual understanding of global financial strategies, interest rate

differentials, and the institutional framework of foreign exchange markets, and to enhance the topics of Business Finance to a global platform. This course, on its own or coupled with Business Finance, will serve students well to strengthen their understanding of global financing opportunities.

Cosmetology 1 (Nashua)

Gr. 11

2 Credits

Full Year

Prerequisite: Algebra and 9th or 10th grade science
(Practical Arts)

Gain foundational competencies in Cosmetology related to orientation, safety, leadership, personal development, chemistry, properties of the scalp and hair, draping, shampooing, rinsing and conditioning, removing unwanted hair, waving, wet hairstyling, roller sets, manicures and pedicures, and thermal hair styling/blow drying. This is a hands-on course with practice and review in each area. Students will be tested individually on each subject and be required to pass a practical assessment as well.

Note: *Students can gain hours toward State Cosmetology certification if they demonstrate competency in this course. Licensing and uniform fees are required (total cost is approximately \$100).*

Cosmetology 2 (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: Cosmetology I, Director approval
(Practical Arts)

Learn how to apply makeup and do advanced hair-cutting and facials. Gain experience and confidence by running the in-school salon. You will be invited to visit supply companies, attend cosmetology symposia, and learn from guest speakers working in the industry. In addition, students will investigate post-secondary educational programs that would enhance your career opportunities. Students must pass a written test on safety practices before they are permitted to use the products and chemicals the coursework requires.

Note: *Students can gain hours toward State Cosmetology certification if they demonstrate competency in this course. Lab fees are required.*

Small Business Management (Nashua)

Gr.11-12

1 Credit

Semester

(Practical Arts)

Learn what it takes to run a small business! Students develop skills and knowhow needed to successfully operate and manage a small business. This course builds skills and knowledge of business ownership, legal issues, market analysis, business finance/start-up costs, business trends, marketing, and pricing strategies through the development of a business plan regarding the student's business of choice.

Computer Science and Technology

Computer Science Essentials (Alvirne)

Gr. 11-12

Credits TBD

Full Year

Prerequisite: Successful completion of Algebra 1 and ICT Literacy or middle school computer science.

(ICT, Practical Arts)

Computer Science Essentials is intended to be a great place for those new to programming and for those with prior knowledge who wish to continue their exploration and learning. Students learn the fundamentals of programming with an emphasis on problem solving and logical thinking. Topics covered include: graphics, animation and games, data structures, and more. Students will have the opportunity to work in an interactive

and collaborative environment.

Computer Science Principles (Alvirne)

Gr. 11-12 Credits TBD Full Year

Prerequisite: Successful completion of Computer Science Essentials; Geometry and Algebra 2 recommended
(ICT, Practical Arts)

Computer Science Principles expands on the foundations learned in Computer Science Essentials to further challenge students' programming skills. Students will learn web design, computer program development techniques, computational thinking, troubleshooting, algorithm development, data structures, and graphics using languages current to the industry. They will learn how to develop a software product from concept definition to requirements and testing methods. They will learn computer organization, how the Internet works, and the societal impacts of computer science. The curriculum follows a syllabus that is recognized by the College Board as an approved curriculum for AP Science Principles. This allows the students an option to fulfill the College Board course requirements and to help prepare students for the AP Computer Science Principles exam.

Computer Networking & Cybersecurity 1 (Nashua)

Gr. 11 2 Credits Full Year

(ICT, Practical Arts)

This course explores a computer network design by learning about the OSI model and current industry standards. Students study network topologies and IP addressing along with router configurations and required networking components. Program approved as CISCO Academy.

Computer Networking & Cybersecurity 2 (Nashua)

Gr. 12 2 Credits Full Year

Prerequisites: Computer Networking & Cybersecurity 1

(ICT, Practical Arts)

This class builds on the knowledge from Computer Networking 1 by studying advanced router configuration, LAN switching theory, VLANs and VLAN trunking protocol, classless routing such as CIDR and VLSM, WAN theory, and design and technology including PPP DDR ISDN and Frame Relay. Explores networking topics.

Construction Technology

Construction Technology 1 (Nashua)

Gr. 11 2 Credits Full Year

(Practical Arts)

The skills and knowledge learning in Construction Technology will help students to develop a basis for a wide range of careers in the building industry, whether they are interested in the trades, construction design and planning, or management. Students will learn the safe operation of hand and power tools, as well as how to read blueprints and understand construction with math principles. Their new skills in carpentry, siding, and roofing will allow them to successfully build small construction projects such as a dog houses and sheds.

Construction Technology 2 (Nashua)

Gr. 12 2 Credits Full Year

(Practical Arts)

Prerequisite: Construction Technology 1

Students in Construction Technology 2 will continue to develop their skills and abilities in many areas of construction. In addition to continuing to practice their skills in regards to carpentry, siding, and roofing, they will learn about and practice all other aspects of new home construction such as site preparation, cabinet installation, insulation, and installation of windows and doors. Students will continue to have opportunities to

network within the building industry, participate in community construction projects, and learn about the many diverse career and college/training opportunities available to them after high school graduation. OSHA IO certification available.

Culinary

Culinary Arts 1 (Nashua)

Gr. 11

2 credits

Full Year

(Practical Arts)

Prepares a student for a career in the food service industry. Students train in the basics of planning, purchasing, and preparing food in quantity. Students learn cooking techniques and preparation, selection and use of utensils and equipment, and safety and sanitation techniques involved in food preparation. The culinary program is certified through the American Culinary Federation. Demonstrating your skill, knowledge, and professionalism in the food service industry gives you a competitive edge over other chefs.

Note: Students are required to provide their own uniform and black safety shoes. Fees for this course cover the purchase of chef coats, pants, aprons, and a hat, and total approximately \$120. Non-slip shoes are also required.

Culinary Arts 2 (Nashua)

Gr.11, 12

2 Credits

Full Year

Prerequisite: Culinary Arts 1

(Practical Arts)

Students study kitchen design and layout, food costs, inventory management, and cost controls. They learn how to plan for and serve at banquets. They receive assistance during the year in making postsecondary plans and/or obtaining employment in the food service industry.

Note: Students are required to pass the Serve Safe exam. Fees for this course cover the purchase of Chef coats, pants, aprons, and a hat, and total approximately \$120. Non-slip shoes are also required.

Education

Careers in Education 1 (Nashua)

Gr. 11

2 Credits

Full Year

(Practical Arts)

Are you interested in a career related to Early Childhood Education? Do you enjoy working with children? This course will introduce students to the basic knowledge needed to pursue a career in education, whether it is an early childhood learning center, an elementary school, or other child-oriented institution. Learn how to set up a classroom environment and how to maintain the health, safety and nutrition of the children in your charge. You will explore different philosophies in early childhood education, familiarize yourself with children's literature, learn about behavior management, and receive an introduction to curriculum and lesson planning. In addition, you will work in the Purple Panther Preschool and get hands-on experience with preschool children between the ages of three and four years old.

Careers in Education 2 (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: Careers in Education 1

(Practical Arts)

Learn about the development of the 6-12 year old in a work-based learning environment. Three days a week, you will work as a teacher's aide at local elementary schools during regular class time. In addition to studying

philosophies of elementary education, you will explore numerous job possibilities that you will have in our changing society. This course is recommended for students seeking child related careers and positions as future educators.

Electrical Technology

Electrical Technology 1 (Nashua) **Gr. 11** **2 Credits** **Full Year**
(Practical Arts)

This course is designed to teach the skills required to become an apprentice electrician. In this program, students learn to install electrical equipment for lighting, heating, and power applications in commercial and residential buildings according to the National Electrical Code.

Electrical Technology 2 (Nashua) **Gr. 11-12** **2 Credits** **Full Year**
Prerequisite: Electrical Technology 1
(Practical Arts)

In this course, students further study residential wiring and the National Electrical Code. Topics covered include commercial wiring applications such as motor control, conduit bending, and fire alarm systems. Students who successfully complete two years of Electrical Trades Technology training receive 144 hours of credit toward an apprentice license.

Environmental Sciences

Natural Resources 1 (Alvirne) **Gr.11** **2 Credits** **Full Year**
Natural Resources 2 (Alvirne) **Gr.12** **2 Credits** **Full Year**
(Practical Arts)

This course is designed for students with an interest in a career in the outdoors. It will help prepare students for an entry-level job or a college education in a natural resources field. It will cover use, maintenance, and repair of forestry tools and machinery (including chainsaws and heavy equipment). Students will learn many aspects of natural resources including forest ecology, forest fires, insects and diseases, forest management, technical tree climbing, and wildlife. Considerable amounts of outdoor work will be required. Students must have steel-toed boots.

Graphic Arts & Communications

Design and Visual Communications 1 (Nashua) **Gr. 11** **2 Credits** **Full Year**
(ICT, Practical Arts)

This year long course will introduce students to the basic elements of visual communication through lecture, demonstrations, and hands-on applications in a state-of-the-art Mac lab. Students will focus on skill levels using Adobe software: Photoshop, Illustrator, and InDesign. Design and Visual Communications I is for students interested in communication, critical thinking, production, problem solving, and the team approach to a final product. Students should be prepared to work individually and within groups to produce clear and effective communication.

Design and Visual Communications 2 (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: Design and Visual Communications 1

(ICT, Practical Arts)

Students will continue to develop skills that lay the foundation for basic design, color theory, and practical lab application. Students will explore, experiment and apply proper application of ideas through the design process. Project management, collaboration, peer review, design and redesign, research, and communications are essential components emphasized during the second year. Adobe InDesign and Photoshop software are used in exploring design problems, logo design, and designing symbols in a state-of-the-art MAC lab. Project activities focus on further developing thinkers that translate concept into digital illustrative form.

Health Sciences

Veterinary Science 1 (Alvirne)

Gr. 11

2 Credits

Full Year

Prerequisite: Biology

(Science)

The first year of this two-year course introduces students to the applied principles and practices used in small and large animal related business with a special emphasis on veterinary medicine. Students will explore concepts through hands-on experiences working with Alvirne's kennel animals such as chinchillas, rabbits, guinea pigs, ferrets, rodents, and birds along with our large animal species including donkeys, dairy cattle, and horses. Topics will also include safety, animal behavior, breed and species identification, animal health and welfare, and client relations. Through continuous exposure to animals on the school farm and small animal facility, students will develop hands-on skills in handling, restraint, grooming, feeding, cleaning/disinfection, training, and record keeping. Students will develop skills in professional telephone etiquette and customer service. Students will also be required to complete 12 hours of community service in an animal-related service project. The Veterinary Science curriculum will also enable students to develop their leadership skills and veterinary skills and opportunities through their involvement in the State and National Youth FFA organization, including participation in the Veterinary Science Career Development Event (Competition). This course will provide students with entry level skills and knowledge for employment as veterinary assistants, pet shop workers, humane society assistants, or assistant groomers.

Note: *Students successfully completing Veterinary Science 1 and 2 with a C+ or better can earn 2 college credits at Great Bay Community College through Dual Enrollment (or 1 life science credit toward graduation), or articulation credits toward SUNY at Cobleskill. Sophomores, Juniors, and Seniors can currently earn credit for up to 2 STEM related courses a year for no charge under the state STEM scholarship initiative.*

Veterinary Science 2 (Alvirne)

Gr. 11

2 Credits

Full Year

Prerequisite: Successful completion of Veterinary Science 1

(Science)

In the second year of the Veterinary Science program, students will continue to build on their knowledge and skills gained in the first year. Using the kennel's small animals and large animal species, advanced topics will include nutrition and anatomy, health and disease, and veterinary medical terminology and entrepreneurship. Hands-on skills will be developed in feed selection, laboratory procedures (i.e. fecal analysis, blood and urine analysis), and animal health and disease prevention, such as vaccinations, de-worming, grooming, physical exams, office skills, equipment identification, and business management. Students will also be required to complete 12 hours of community service in an animal-related service project. Successful completion of this program greatly enhances a student's potential for success in post-secondary education, as well as entry level

job in an animal science field.

Note: Students successfully completing Veterinary Science 1 and 2 with a C+ or better can earn 2 college credits at Great Bay Community College through Dual Enrollment (or 1 life science credit toward graduation), or articulation credits toward SUNY at Cobleskill. Sophomores, Juniors, and Seniors can currently earn credit for up to 2 STEM related courses a year for no charge under the state STEM scholarship initiative.

Health Sciences 1 (Nashua)

Gr. 11

2 Credits

Full Year

Prerequisite: Biology or Life Science (Science)

Explore health occupations through this overview of Anatomy and Physiology. Included in this class are labs, which solidify the information received in the theory portion of the class. This class also includes the study of medical terminology, career guidance, and the opportunity to become CPR/First Aid Certified.

Note: Students will be required to purchase lab coats, a t-shirt, name tag pins, CPR certification cards that cost approximately \$40.00.

Health Sciences 2 (Nashua)

Gr. 12

3 Credits

Full Year

Prerequisite: Health Sciences 1 (Science)

Upon acceptance into level 2, students receive on-the job clinical training which will help prepare for the many careers available in the health care field. It is through this program that students are offered the opportunity to pursue their certification as a Licensed Nursing Assistant (LNA) by taking the NH State LNA Licensure exam. As part of the LNA programs, students apply academic knowledge using a hands-on approach by assisting at local nursing facilities during their daily school hours. Those who don't pursue the LNA option will shadow various health careers based on student interest. Clinical rotation in other health care fields may be offered if employer sites are available.

Note: Each section of Health Sciences 2 will include a second block either in the fall or spring semester in addition to the full year single block. All students must have up-to-date proof of immunizations on file before clinical visitations. Mandatory drug testing and background checks are required. Students are also required to pay for LNA scrubs, name tag pins, a watch with a second hand, and LNA test fee, a state and a licensing fee, as well as fees for the background check and drug testing, the total cost of which is approximately \$300.

Heating, Ventilation & Air Conditioning (HVAC)

Heating, Ventilation, Air Conditioning, and Refrigeration 1 (Nashua)

Gr. 11

2 Credits

Full Year

(Practical Arts)

Students learn refrigeration fundamentals; electricity and controls; and installing, operating, servicing, and repairing both heating and air conditioning equipment through classroom demonstrations and laboratory experiments. They work on domestic and commercial refrigeration and window and central air conditioning equipment, including heat pumps and oil and gas systems. Students learn on modern equipment, including three-phase electrical components. The demand for skilled technicians far exceeds the supply in this field.

Heating, Ventilation, Air Conditioning, and Refrigeration 2 (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: HVACC-R 1

(Practical Arts)

Students learn to perform systems tests and troubleshoot and repair heating, air-conditioning and refrigeration systems with state-of-the industry equipment on a variety of models and makes of both residential and commercial HVAC systems. They learn to use a variety of tools and instruments to perform tests for electrical, pressure, and burner efficiency. Laboratory activities focus on refrigeration systems (component installation and repair), pipe fitting, ventilation ducting, air-conditioning unit service, and furnace and burner service. Individual safety codes pertaining to each type of system are addressed and adhered to during lab activities.

Marketing

Marketing for Retail & Fashion (Nashua)

Gr. 11

1 Credit

Semester

(Practical Arts)

This introductory course helps students develop an extensive understanding of marketing concepts and theories that apply to the retail and fashion business. Areas covered in this course include: the basics of marketing, target marketing and segmentation, retailing, merchandising and related industries, and promotion and marketing plans.

Marketing for Sports & Entertainment (Nashua)

Gr. 11

1 Credit

Semester

(Practical Arts)

This introductory course helps students develop an extensive understanding of marketing concepts and theories that apply to sports, entertainment, and business. Areas covered in this course include: the basics of marketing, target marketing and segmentation, public image, the entertainment industry, entertainment marketing, and legal issues for sports and entertainment.

Marketing for Social Media (Nashua)

Gr.11-12

2 Credits

Full Year

Prerequisite: Marketing for Retail & Fashion OR Marketing for Sports & Entertainment

(Practical Arts)

This course provides the foundation of social media and digital marketing. You'll learn what social media marketing entails, including the history and the different social media channels that exist. You'll learn how to select a social media or digital channel that fits your needs, set goals and success metrics, and determine who your target audience is. In addition, this course will familiarize students with the principles of sales and marketing in a business to consumer space through the operation of the school based enterprise. The course will provide an understanding of the sales function in retail environment, with topics including sales training, consumer service, merchandising, and the effective use of CRMs. The course will also provide students with an overview of managing retail businesses, with a focus on Product/Service Management, Distribution, Pricing, and Selling.

Precision Machining

Advanced Manufacturing 1 (Nashua)

Gr.11

2 Credits

Full Year

Prerequisite: Precision Machining

(Practical Arts)

Students in the manufacturing program learn the manufacturing processes and design through a project-based

learning experience. Projects may include processes such as CNC milling, waterjet cutting, plasma table, welding, CADD, lathe, robotics, dimensional measurement, and such. Students can follow a wide variety of paths, including graphic design and production, machine tooling and forming, welding and material joining, automation, and product innovation and design.

Advanced Manufacturing 2 (Nashua)

Gr.11-12

2 Credits

Full Year

Prerequisite: Advanced manufacturing 1

(Practical Arts)

This course emphasizes Computer Assisted Drafting and Machining (CAD/CAM) applications for high end CNC and manual machine project design and production. Students learn and apply advanced machining skills, quality assurance, applied math, metals and composite materials, blueprint reading, and engineering basics. The student will be taught this in a “real world” workplace environment where learning is primarily “hands on.” Students complete a capstone project during second semester.

Pre-Engineering

Computer Aided Drafting & Design 1 (CADD I) (Nashua)

Gr. 11

2 Credits

Full Year

(Practical Arts)

Students design their own building or product using state-of-the-art Autodesk software applications. They learn how to use commands, capabilities, and procedures to produce a professional, industry-standard drawing. After a general introduction to computer-aided design and drafting, they choose one or two self-paced tracks-- Architectural/Civil drafting or Mechanical/Electrical drafting. In Architectural /Civil drafting, students create floor plans, elevations, and section views from their own designs and learn how to create all the plans required for a building permit. In Mechanical/Electrical drafting, students create mechanical assembly designs of their own products and learn basic geometric tolerance, fits, manufacturing processes, and electrical drafting. They also use computer controlled machines to make products.

Computer Aided Drafting & Design 2 (CADD II) (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: CADD 1

(Practical Arts)

Students will enhance their understanding of state-of-the-art Autodesk software applications. By continuing self-paced tracks in either Architectural/Civil drafting or Mechanical/Electrical drafting, students will sharpen skills and expand knowledge of computer-aided drafting and design. In Architectural/Civil drafting, students explore residential, commercial, and civil drafting and work in groups to complete a design requirement and generate professional grade plans. In Mechanical/Electrical drafting, students design mechanical and electrical systems and work in groups to complete a design requirement and generate professional grade plans.

Note: *College Credit may be available through the Dual Enrollment program.*

Introduction to Engineering Design (Nashua)

Gr. 11-12

1 Credit

1 Semester

(Practical Arts)

Develop three dimensional solid models by working from sketching simple geometric shapes to applying the use of solid modeling software Autodesk Inventor. Students work within a problem solving design process and learn

how it is used in industry to manufacture a product. They use Computer Aided Design System (CAD) to analyze and evaluate the product design. The techniques learned and equipment used are state-of-the-art and are currently in use by engineers throughout the United States.

Engineering Design & Development (Nashua)

Gr11-12

1 Credit

1 semester

Prerequisite: Introduction to Engineering Design

(Practical Arts)

The knowledge and skills students acquire through various engineering and STEM courses come together in this course as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards. Completing EDD prepares students for various post-secondary programs and entry level work.

Principles of Engineering (Nashua)

Gr. 11-12

1 Credit

1 Semester

(Practical Arts)

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Video Production

Video Production & Broadcasting (Nashua)

Gr. 11

2 Credits

Full Year

(Practical Arts)

Video Production & Broadcasting introduces students to all aspects of the media industry. Students learn through hands-on projects how to use our state-of-the-art high definition broadcast facility and Mac computer lab, and learn on industry-standard equipment. Students learn about the art and technology of modern communication while producing award-winning projects for the class, school district, and community. They increase their self-confidence and organizational abilities by learning how to plan and execute projects on their own and in groups. Video Production & Broadcasting lays a foundation of skills, both technical and career readiness that properly prepares students for the next step of their career in the media industry.

Video Production & Broadcasting 2 (Nashua)

Gr. 12

2 Credits

Full Year

Prerequisite: Video Production & Broadcasting 1

(Practical Arts)

This class builds on the knowledge gained in the previous year by writing, producing, and creating video programs for the class, the high schools, the school district, and the community. Students learn more about cable, satellite, and web-based distribution channels. They build a reel and resume, helping them qualify for further education and employment.

Welding

Welding 1 (*Alvirne*) (Practical Arts)

Gr 11-12

Credits TBD

Full Year

Students will learn to arc weld in the flat position, utilize an oxy-acetylene torch for cutting metal, and learn basic MIG skills. Through various exercises, students will select the proper welding materials and demonstrate appropriate techniques. This course is useful for any student planning a career in the fields of mechanics, engineering, agriculture, construction, machine trades, or civil technology. Students **MUST** successfully complete all competencies to advance to Welding 2. Grade 10 & 11 students will be given priority when scheduling.

Welding 2 (*Alvirne*) *Prerequisite: Welding 1* (Practical Arts)

Gr 11-12

Credits TBD

Full Year

In year two of the welding program, students will delve into advanced MIG, TIG, and stick welding skills. Using torch and plasma cutters, students will develop their own self-directed projects to encourage growth of welding skills and to connect program contents to real life applications. Students will use oxy-fuel, shielded metal arc, metal inert gas, gas tungsten arc, gas metal arc, and plasma metal arc to develop real- world skills in a controlled environment. Students will build partnerships with business and community members to help master skills.

Extracurricular Student Programs

The following extracurricular activities are currently available for students. Some of these activities are subject to change depending upon availability of advisors and student interest.

A Cappella Club "Fermatta Nowhere"	HB the Change	Science Olympiad
Book Club	Herstory	Ski & Snowboard Club
CavChronline (Newspaper)	Homefront Heroes	Spanish Club
Chemistry Club	Interact	Student Council
Crew Club	Journalism Honor Society	Tech Crew
Debate Team	Latin/Greek Club	Theater Program
French Club	Math Team	Thespian Society
Gay Straight Alliance	National Honor Society	Tri-M (Music Honor Society)
Granite State Challenge	Pep Band	US FIRST Robotics Team
Green Group	Outing/Climbing Club	Yearbook
Guitar Night Club	Red Cross Club	Young Writers Club

HBHS Athletics

Athletic Programs

The Athletic Programs at HBHS are part of an interscholastic program governed by the NHIAA. The program is elective and is offered after regular school hours. The interscholastic sports are conducted in the fall, winter, and spring seasons, with the teams competing against schools in New Hampshire. All contests are played under New Hampshire Interscholastic Athletic Association Regulations. Each student must satisfy eligibility requirements set by the NHIAA and Hollis Brookline High School.

NHIAA Handbook, Sect. 2: Scholastic Standing

- A. No pupil who has failed to pass four (4) units of work during the school's previous grading period shall represent the school in any interscholastic contest. A minimum of four (4) units of work per grading period is required for participation in interscholastic athletics.

A physician's or nurse practitioner's statement certifying that the student has passed a pre-participation physical examination within six months prior to the student's first participation in high school interscholastic sports, as well as an updated one two years later (normally their freshman and junior years), must be on file in the school health office and with the Athletic Trainer (ATC). Every year each athlete shall have on file with the ATC an annual medical history exam in order to ascertain any injuries or conditions that would warrant an updated physical exam.

Any pupil significantly ill or injured during their high school athletic career must be re-examined by a physician in order to be eligible to return to interscholastic sports. A statement from the physician certifying physical eligibility must be on file with the health office and the Athletic Trainer.

All members of interscholastic sports teams will be required to pay a participation fee (which varies from sport to sport) each sports season in which they participate, to help defray the costs of interscholastic sports. An annual cap per family is placed on this fee. In order to allow as many students as possible to participate in athletics, students cannot try out for, or be members of, more than one sports team each season with the exception being placekicking for the football team.

Athletes who intend to participate in collegiate athletics must register with the NCAA Eligibility Center. Check www.NCAA.org for general information and www.eligibilitycenter.org to register.

HBHS Athletics

	<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
Boys	Bass Fishing Cross Country Golf Football <i>Varsity, JV</i> Soccer <i>Varsity, JV, Unified</i> Spirit Squad	Alpine Ski Team Basketball <i>Varsity, JV, Unified</i> Bowling Indoor Track Ice Hockey Spirit Squad Swimming Wrestling <i>Varsity, JV</i>	Baseball <i>Varsity, JV</i> Lacrosse <i>Varsity, JV</i> Track & Field <i>Varsity, Unified</i> Tennis Volleyball <i>Varsity, JV</i>
Girls	Bass Fishing Cross Country Golf Field Hockey <i>Varsity, JV</i> Soccer <i>Varsity, JV, Unified</i> Spirit Squad Volleyball <i>Varsity, JV, Freshman</i>	Alpine Ski Team Basketball <i>Varsity, JV, Unified</i> Bowling Indoor Track Gymnastics Spirit Squad Swimming	Lacrosse <i>Varsity, JV</i> Softball <i>Varsity, JV</i>

Female student athletes may participate in any male athletic offering for which there is not a female equivalent

NCAA Approved Courses

Advanced Writing	AP Physics I	English 9, Accelerated	Physical Science with Earth Science
Algebra 1	AP Physics II	English 9 Read	Physics
Algebra 1A	AP Psychology	English 10	Physics, Honors
Algebra 1B	AP Spanish	English 10 Read	Poetry
Algebra 2	AP Statistics	English 10 Accelerated	Pre-Calculus
Algebra 2, Accelerated	AP US Government and Politics	French I	Pre-Calculus, Honors
Algebra 3/ Trigonometry	AP U.S. History	French II	Psychology
Anatomy&Physiology	AP World History	French III	Science Fiction
Anatomy&Physiology, Honors	Biology	French IV	Sociology
AP Biology	Biology, Accelerated	French ,IV Honors	Spanish I
AP Calculus	Calculus	Geometry	Spanish II
AP Chemistry	Chemistry	Geometry, Accelerated	Spanish III
AP English Language and Composition	Chemistry, Honors	Honors Literature	Spanish IV
AP English Literature and Composition	Chemistry & Society	Honors U.S. Literature	Spanish 4, Honors
AP Environmental Science	Civics	Latin I	U.S. History
AP French	College Composition	Latin I	U.S. Literature
	Contemporary Issues	Legal Studies	World Studies
	Economics	Memoirs&Biography	Writing
	English 9	1/2	

Student Four-Year Educational Plan

Developing a Four-Year Educational Plan is a worthwhile exercise for all students. Consult the list of minimum graduation requirements found on pages 8 and 9 and work with your parents, teachers, and counselors to ensure that you meet course prerequisites.

Name: _____ Class of: _____ Counselor: _____

Date: _____ Career Interests: _____

Grade 9		Grade 10		Grade 11		Grade 12	
Course	Credit	Course	Credit	Course	Credit	Course	Credit
Total		Total		Total		Total	

Sample Four-Year Educational Plan

The following is an example of a Four-Year Educational Plan. Students are expected to carry 6 credits each year.

Grade 9		Grade 10		Grade 11		Grade 12	
Course	Credit	Course	Credit	Course	Credit	Course	Credit
US History	1.0	World History	1.0	Economics/Civics	1.0	Physics	1.0
Physical Science	1.0	Biology	1.0	Chemistry	1.0	Pre-Calculus	1.0
Algebra 1	1.0	Geometry	1.0	Algebra 2	1.0	Honors Literature	1.0
English 9	1.0	English 10	1.0	U.S. Literature	1.0	World Language	1.0
World Language	1.0	World Language	1.0	World Language	1.0	Elective(s))	3.0
Fitness/Wellness	1.0	Writing	0.5	Elective(s)	2.0		
Elective(s)	1.0	Physical Education	0.5				
		Elective(s)	1.0				
Total	7.0	Total	7.0	Total	7.0	Total	7.0

Student Activities Spreadsheet

Building an activity spreadsheet is a useful planning tool for evaluating the demands of the school, homework, and extracurricular activities. Please keep in mind that the information provided below is an estimate; it is intended to assist you in choosing the proper balance of classes during the course selection process.

Anticipated Hours of Homework*	Average Hours/Week
AP: 1 hour x 5 nights weekly x # courses	
Honors: .75 hours x 5 nights weekly x # courses	
College Prep: .5 hours x 5 nights weekly x # courses	
Total School Hours:	

Extra-Curricular Activities	Average Hours/Week
Clubs/Interests/Hobbies	
Paid Job	
Community Service	
Sports/Physical Activity	
Music/Theatre Performance	
Other (Driver's Ed, SAT Prep, College Apps etc)	
Total Extra-Curricular Hours:	

Daily Living Activities	Average Hours/Week
Sleep (7 days x 9 Recommended Hours)	
Necessities (Eating, Showering, Chores etc)	
Travel to and from School	
Family Time	
Free Time (Friends, TV, Phone, Internet etc)	
Total Daily Living Hours:	

School Day Hours =	35
Homework Hours =	
Extra-Curricular Hours =	
Daily Living Hours =	
YOUR TOTAL HOURS	
Available Hours/Week	168

* Daily homework amounts are estimates *

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Weighted Courses are bold

A: *Fulfills Art requirement*

B: *Fulfills Biological Science Requirement*

+: *Fulfills 4th year Math Experience*

P: *Fulfills Physical Science Requirement*

ICT: *Fulfills Info and Comp Tech requirement*

EOD: *Course meets every other day, all year*

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Non-Discrimination

It is the policy of the School Administrative Unit #41 not to discriminate in its education programs, activities, or employment practices on the basis of race, language, sex, age, creed, color, marital status, national origin, or handicapping conditions under the provisions of the Title VI and IX of the 1972 Educational Amendments: Section 504 of the Rehabilitation Act of 1972, and the Education of Handicapped Children's Act of 1976. The coordinator for 504 Activities, Title VI and the Education of Handicapped Children's Act is the Superintendent of Schools, 4 Lund Lane, Hollis, New Hampshire 03049, telephone (603) 465-7714. The coordinator for Title IX is the Hollis/Brookline High School Principal, 24 Cavalier Court, Hollis, New Hampshire 03049, telephone (603) 821-4477. Inquiries may be directed to the coordinators listed herein or to the Regional Office for Civil Rights, 140 Federal Street, Boston, Massachusetts 02110, or the New Hampshire Human Rights Commission, 66 South Spring Street, Concord, New Hampshire 03301. Grievance Procedures which provide for the prompt and equitable resolution of complaints alleging violations to Titles VI and IX, Section 504, and the Education of Handicapped Children's Act of 1976 are available. Grievance Procedures may be obtained at the office of the coordinators listed herein. School Administrative Unit #41 includes the Brookline, Hollis, and Hollis Brookline Cooperative School Districts and the employees in the SAU #41 Office. Approved 9/6/84

