Hollis Brookline High School



Program of Studies

2026– 2027

Hollis Brookline High School

24 Cavalier Ct; Hollis, New Hampshire 03049
Phone 603-821-4477 Fax 603-465-2485
myhbhs.org

Administration

Principal:	Jacob Hess
Assistant Principals:	Cole Etten
	Yolanda Flamino
	Traci Lane

School Counseling

School Counselors:	Chantel Klardie, Department Chair
	Megan Andersen
	Dawn Breault
	Daniel Bumbarger
	Mary Carper
	Kristin Knarr
	Melissa Moyer
	Erin Sarris, 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 students, 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

Contents

Introduction..... 5
Principal's Message..... 5
Student Services..... 6
Career Technical Programs..... 7
English Learners..... 7
Compliance with Federal & State Laws..... 7
Graduation Requirements..... 8
NH State Standard Diploma..... 10
Equivalency Diploma..... 11
New Hampshire Scholars Program..... 12
Credit Accumulation Guidelines..... 13
Credit Recovery..... 13
Alternative Methods of Earning Academic Credit..... 13
Options for College Credit for HB courses..... 14
Summer Enrichment..... 15
Grade Policies..... 15
Grade Reporting..... 15
Transfer of Credits..... 15
Audit Policy..... 15
Grade Weighting..... 15
Grade Scale..... 16
Grade Point Average..... 16
Latin Honors..... 17
Academic Progress..... 17
CAVBlock..... 17
Honor Roll..... 17
Senior Options Program..... 18
Junior Privileges..... 18
Course Registration Procedures..... 18
Restrictions on Course Selection..... 18
Overrides..... 18
Add/Drop Procedures..... 19
Level Changes..... 19

Overview of College Admission Requirements…….. 20
Course Descriptions by Department…… 21
Career Education Programs…… 21
Computer Education…….. 23
Engineering…… 25
English…….. 28
Family and Consumer Sciences…… 38
Mathematics…… 40
Physical Education…… 47
Science…….. 50
Social Studies…… 59
Student Support Services…… 66
Visual and Performing Arts…… 71
World Language…….. 80
Career and Technical Programs (Alvirne, Nashua)…… 87
Extracurricular Programs…… 101
Athletic Programs…… 101
NCAA Approved Courses…….. 102
Sample Four-Year Educational Plan…… 103
Student Activities Spreadsheet…… 104
Index…… 106

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,

As the new Principal of Hollis Brookline High School, I am excited to join this dedicated and supportive community. This Program of Studies is designed to help you plan thoughtfully for the 2026–27 school year and beyond. Our curriculum is intentionally built to foster meaningful learning where students can receive feedback, reflect on their learning, and continue to grow throughout high school.

Inside, you will find guidance on graduation requirements, course offerings, and the many opportunities HBHS provides to challenge yourself academically while also exploring interests you enjoy. We will continue to strive to create diverse and flexible educational pathways that support all learners in reaching goals that are unique to them—whether those dreams lead to college, careers, service, or other future pursuits.

As you make decisions about your schedule, I encourage you to aim for balance—pursuing rigorous coursework alongside electives and co-curricular activities that broaden your perspective and strengthen your sense of connection. Throughout this process, please communicate often with your families, teachers, and school counselors. Their partnership and support will help ensure your choices align with both your goals and overall well-being.

As I continue to learn more about HBHS, I welcome your feedback and questions—because we grow best when we grow together. I look forward to working with you to create a successful and rewarding school experience for every student.

Respectfully,

Jacob Hess, Principal

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 (https://www.myhbhs.org/resources/counseling-office) for assistance and information on:

College and Career Resources	Presentations	Scholarship and Financial Aid Resources
CTE Programs	Program of Studies	School Profile
HB Mental Health Resources	Transcript Request	Student work information

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 and English credit for every year they are in high school until graduation. All math and English courses qualify for these credits, and any non-math courses that meet the math 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%.**

Graduation requirements for the HBHS Diploma are on the following page. Please note the difference in requirements for the Class of 2030.

Hollis Brookline High School Diploma

Required Subject	HBHS Class 2027, 2028, 2029 Number of Credits	Required Subject	HBHS Class of 2030 Number of Credits
English ● *including .5 Writing credit and one English credit per year*	**4.50**	**English** ● *including .5 Writing credit and one English credit per year.* ● *Logic and Rhetoric will be embedded into English 10)*	**4.50**
Mathematics ● *including 1.0 Algebra credit and 4th year Math experience*	**3.00**	**Mathematics** ● *including 1.0 Algebra credit and 4th year Math experience.* ● *.5 statistics/data analysis will be embedded)*	**3.00**
ICT / Digital Literacy ● *ICT Digital Portfolio*	**0.50**	**ICT / Digital Literacy** ● *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**	**Social Studies** *1 U.S./NHHistory, 1 World Studies, .5 Economics, .5 Civics (including 70% on US Citizenship Test) and 1 History, Government and Constitution of US and NH (TBD).*	**4.00**
		Personal Finance ● Course title TBD - Money Matters? Adulting 101?	**0.50**
Science *(including 1 Physical Science credit & 1 Biological Science credit)*	**3.00**	**Science** ● *including 1 Physical Science credit & 1 Biological Science credit*	**3.00**
Art Educations *(all Performing Arts, Visual Arts)*	**0.50**	**Art Educations** ● *all Performing Arts, Visual Arts*	**0.50**
Physical Education	**1.00**	**Physical Education**	**1.00**
Wellness	**0.50**	**Wellness**	**0.50**
Restricted Electives *Three credits selected from at least two of the following areas:* ● ***Arts Education:*** *Performing Arts, Visual Arts* ● ***Practical Arts:*** *Computer & Technology, or Family and Consumer Sciences* ● ***Career and Technical Education*** ● ***World Language:*** *Level IV or V of a World language, or a second World language* ● ***Mathematics, Social Studies and Science:*** *fourth credit*	**3.00**	**Restricted Electives** *Three credits selected from at least two of the following areas:* ● ***Arts Education:*** *Performing Arts, Visual Arts* ● ***Practical Arts:*** *Computer & Technology, or Family and Consumer Sciences* ● ***Career and Technical Education*** ● ***World Language:*** *Level IV or V of a World language, or a second World language* ● ***Mathematics, Social Studies and Science:*** *fourth credit*	**3.00**
Free Choice Electives ● *Credits selected from any of the school's course offerings*	**4.00**	**Free Choice Electives** ● *Credits selected from any of the school's course offerings*	**2.50**
Total	**23.00**	**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 to 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 "+". Students must also earn one credit of English each of the 4 years they are in high school. 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%.**

Graduation requirements for the NH State Standard Diploma are on the following page. Please note the difference in requirements for the Class of 2030.

NH State Standard Diploma

Required Subject	Current NH Minimum Standards Diploma Requirements		NH Minimum Standards Diploma Class of 2030 (Ed 306)
Arts Education	0.50		0.50
Digital Literacy	0.50		0.50
English	4.00		3.50 *(to include 0.50 in writing)*
Mathematics	3.00 *(including algebra credit that can be earned through a sequential, integrated, or applied program)*		3.00 *(including algebraic concepts and at least 0.5 in statistics or data analysis)*
Physical Sciences	1.00		1.00
Biological Sciences	1.00		1.00
US and NH History	1.00		N/A
US History	N/A		0.50
NH History	N/A		0.50
US and NH Government/Civics	0.50		N/A
Logic & Rhetoric	N/A		0.50
Civics	N/A		0.50
History, Government and Constitution of US and NH	N/A		1.00
Economics, including Personal Finance	0.50		N/A
Economics	N/A		0.50
Financial Literacy	N/A		0.50
World History, Global Studies, or Geography	0.50		1.00
Health Education	0.50		N/A
Health and Wellness Education	N/A		0.50
Physical Education	1.00		1.00
Open Electives	6.00		4.00 *(to include an option for career connected learning)*
Totals	**20.00**		**20.00**

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

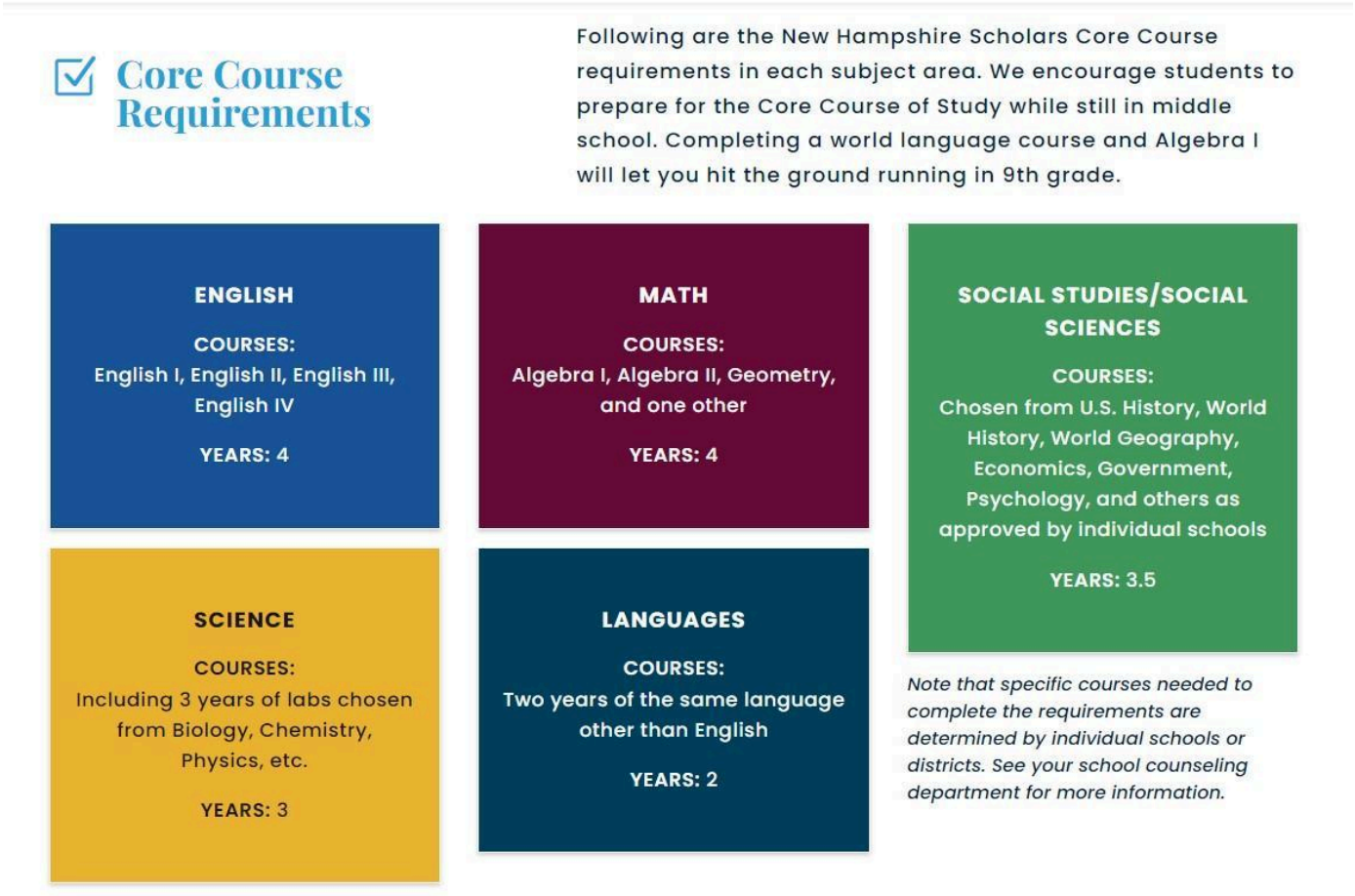
Individualized Education Program (IEP) and who does not meet the requirements for a diploma set forth in the State Minimum Standards for Public School Approval and applicable District policy. The requirements for this Diploma may vary from student to student. The high school must secure the informed 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.](nhscholars.org)

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



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 with pre-approval of an administrator. In order for credits to be appropriately applied to a transcript and develop a consistent student program, 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 only 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.

Options for College Credit for HB Courses

If a student is identified as inappropriately placed in a core course, a request may be considered to change

Advanced Placement (AP):

HB offers several Advanced Placement (AP) courses through College Board. Successful completion of an AP exam at the end of the designated AP course 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 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.

Dual Enrollment/Early College:

Dual Enrollment courses are offered as part of the Early College program with the Community College System of New Hampshire (CCSNH) or through Southern New Hampshire University (SNHU). Students who enroll for dual credit and successfully complete these courses will be awarded college credits through a CCSNH institution or through SNHU 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. Dual enrollment institutions also adhere to different guidelines when approving accommodations for students that have IEP or 504 plans. Students who are taking a Dual Enrollment class for credit, have an IEP or 504 plan, and want their accommodations honored will need to go through the institution's specific accommodation approval process.

Project Lead the Way (PLTW):

Our Engineering department includes several courses as part of Project Lead the Way, which allows students to obtain dual enrollment credit through the Rochester Institute of Technology (RIT). PLTW credit requires registration in the Fall. Students 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. Some of these courses are also eligible for Dual Enrollment/Early College credits, but students will need to decide which credits they choose to access (CCSNH or RIT).

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. Coursework completed before the students is enrolled in high school will not receive high school credit (Policy IMBC). 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 A
AP Computer Science Principles
AP English Lang & Comp
AP English Lit & Comp
AP Environmental Science
AP Spanish
AP Statistics
AP Studio Art
AP World History
Physiology
Honors Chemistry
Honors Choir
Honors Concert Band
Honors French IV
Honors Precalculus
Honors Senior Quest
Honors Spanish 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.

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.

***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.

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 considered a full-time student (in accordance with Policy JF) 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.

Junior privileges will be added to students' schedules after eligibility has been determined (shortly after the end of the add-drop period).

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.

Overrides

Teachers recommend the appropriate course selection for students, and grades specified in particular coursework are carefully considered in designating prerequisites. Experience has confirmed our belief that a student's current teacher is the most qualified person to make course recommendations based not only on the student's performance, but also on the teacher's evaluation of the student's potential and ability, and that success in prior courses is a good indicator of appropriate future course selections. At times, parents may disagree with this. 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 placement 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.**

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 in 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.

Symbols Used In Course Descriptions

+ course that qualifies as a math experience
^ course qualifies as a third science requirement

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.

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** **Full Year**
0.25-0.5 credit **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** **Full Year**
0.25-0.5 credit **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

Suggested Pathways– *variations are possible*	Recommended starting point for freshmen	Recommended starting point for sophomores/ juniors		
Computer Science into Engineering	Engineering Technologies	AP Computer Science Principles	AP Computer Science A	Digital Electronics OR Principles of Engineering
Engineering into Computer Science	Engineering Technologies	Principles of Engineering	Digital Electronics	AP Computer Science A OR AP Computer Science Principles
Computer hardware & Electrical/ Computer Engineering	Engineering Technologies	AP Computer Science Principles	Digital Electronics	AP Computer Science A

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.

HD364. Advanced Placement Computer Science Principles + **Gr.10-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: Completion of Algebra 1 or combination of Algebra 1A and 1B

(Practical Arts & ICT)

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. This course will be taught as an introduction to Python Coding through CodeHS, as well as an introduction to computing history and innovation, and will prepare students to take the AP Computer Science Principles Exam. Students

will incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

This course can also be taken as a Dual Enrollment/Early College course, for 3 college credits. Please see section titled "Options for College Credit for HB Courses" for specific information about AP and Early College courses.

HD362. 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 a college-level programming class, with specific attention to program development and structure. It will be taught in the Java programming language and prepares students for the AP Computer Science A exam. It is designed to give students a foundation in programming methodology and Java syntax. Topics include primitive data types, programming arithmetic, relational and assignment operators, string concatenation, input/output, decision and looping control structures, and list structures such as arrays. Emphasis is placed on programming methodology, recursion procedural abstraction, algorithms, data structures, and data abstraction.

This course can also be taken as a Dual Enrollment/Early College course, for 3 college credits. Please see section titled "Options for College Credit for HB Courses" for specific information about AP and Early College courses.

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 or other New Hampshire Community College Institutions. 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

Suggested Pathways– ***variations are possible***	**Recommended starting point for freshmen**	**Recommended starting point for sophomores/ juniors**		
Computer Science into Engineering	**Engineering Technologies**	**AP Computer Science Principles**	**AP Computer Science A**	**Digital Electronics** **OR** **Principles of Engineering**
Engineering into Computer Science	**Engineering Technologies**	**Principles of Engineering**	**Digital Electronics**	**AP Computer Science A** **OR** **AP Computer Science Principles**
Computer hardware & Electrical/Computer Engineering	**Engineering Technologies**	**AP Computer Science Principles**	**Digital Electronics**	**AP Computer Science A**

H711. Engineering Technologies: Fall (Classical Engineering) + ^ **Gr.9-12** **0.5 credit** **Semester**
(Practical Arts)

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 Principles of Engineering and PLTW Digital Electronics. Classical engineering includes Design and Development, as well as Mechanical, Electrical, and Urban Engineering, and we will explore these fields using a variety of technologies, such as CAD, VEX building parts, ArcGIS, circuit simulation software, and soldering projects. Students will learn theoretical underpinnings of engineering and immediately apply these understandings to real world technologies to solve problems.
Note: Engineering Technologies Fall is NOT a prerequisite for Engineering Technologies Spring. *Students may take Engineering Technologies Spring without having previously taken Engineering Technologies Fall.*

H712. Engineering Technologies: Spring (Computer/Software Engineering) + ^
(Practical Arts) **Gr.9-12** **0.5 credit** **Semester**

This class is structured as an introductory computer science, 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 AP Computer Science Principles and AP Computer Science A. Computer and Software Engineering. The class will focus on the following units: Software Development, Microcontrollers, Computing, Ethics and Philosophy of AI, the Internet, data interpretation, and Development and Marketing. The class will use block-based and text-based IDEs, Micro:bit Controllers, Digital Breadboards, Circuit Design Software, and web design tools. Students will learn theoretical underpinnings of computer science and engineering and immediately apply these understandings to real world technologies to solve problems.
Note: Engineering Technologies Fall is NOT a prerequisite for Engineering Technologies Spring. *Students may take Engineering Technologies Spring without having previously taken Engineering Technologies Fall.*
PLTW COURSE OPTION:
Students who take Engineering Technologies as a full year class are eligible to take the course as a PLTW course. ***Please see section titled "Options for College Credit for HB Courses" for specific information about PLTW courses.*** *If taken in this manner, this course would appear on the transcript as:*

H713. Engineering Essentials, PLTW **(1 credit)**

If students take both Engineering Technologies courses, it will be instead reflected on the transcript as Engineering Essentials for 1 credit. This is not in addition to the 0.5 credit earned for each course.

HD710P. PLTW Digital Electronics + ^ **Gr. 10-12** **1 credit** **Full Year**
Prerequisite: Completion of or concurrent with Algebra 2 or permission of Department Chair
(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.

This course can also be taken as a Dual Enrollment/Early College course, for 3 college credits. Please see section titled "Options for College Credit for HB Courses" for specific information about PLTW and Dual Enrollment/Early College courses.

HD706P. 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.

This course can also be taken as a Dual Enrollment/Early College course, for 3 college credits. Please see section titled "Options for College Credit for HB Courses" for specific information about PLTW and Dual Enrollment/Early College courses.

H260. 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.

H262. 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 ***(options based on recommendation)***	**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 ***(options based on recommendation)***		**Writing**		
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.

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.

Note: *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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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.
Note: *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.*
Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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)

This course is designed to help students strengthen their written and oral communication skills for a range of professional and business-related purposes. At the outset, each student will select a company or business to represent, along with a specific role within that organization. All assignments and activities will be completed within the context of this chosen company and position, allowing students to apply their learning in a realistic and personalized setting.

Students will explore various forms of professional writing, including emails, memos, résumés, and cover letters. In addition, they will engage with digital communication strategies by creating social media content, designing a business website, drafting press releases, and responding to online reviews to support marketing and outreach efforts.

Oral communication will also be a key focus, with students participating in a range of scenarios such as elevator pitches, client consultations, business meetings, and sales presentations. Both individual and group

presentations will provide opportunities to address common workplace challenges and practice promoting or selling products and services.

The course culminates in a mock interview and a comprehensive business simulation, allowing students to demonstrate their mastery of the skills developed throughout the term.

H164. Film Studies **Gr.11-12** **0.5 credit** **Semester**
(English)

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 **Gr.11-12** **0.5 credit** **Semester**
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)

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 **Gr.11-12** **0.5 credit** **Semester**
Prerequisite: Writing
(English)

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 **Gr.11-12** **0.5 credit** **Semester**
(English)

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.

H260. 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.

H262. 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: Credit received for 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, 5 French mother sauces, 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.

H832. 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 4th year math experience
Grade 8 Math	Algebra 1	Geometry	Algebra 2	Dual Enrollment Algebra 3/Trigonometry Precalculus
Algebra	Geometry	Algebra 2	Precalculus	Calculus AP Statistics
Algebra	Accelerated Geometry	Accelerated Algebra 2	Honors Precalculus	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, points, lines, planes, angles, triangles, quadrilaterals, congruence, similarity, perpendicular and parallel lines, coordinate geometry, perimeter, area, volume, circles, properties of triangles, 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 coordinate geometry, transformations, 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 coordinate geometry, transformations, angle relationships, triangles, quadrilaterals and other polygons, 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. Students will solve problems applying vectors, probability, combinations, permutations, and basic statistics. Students will study the following function families: quadratics (including conic sections and complex numbers), polynomials, exponential, logarithmic, radical, and rational. Because Algebra 2 is a bridge to higher mathematics, a grade of C or higher in Algebra 1 and Geometry is suggested. The successful Algebra 2 student is able to work independently, to apply concepts taught in class to related problems in homework and on assessments, to seek our support when needed, has a willingness to persevere in problem-solving, and takes responsibility for their learning. *A graphing calculator is required for this course (recommended model: TI-84).*

HD329. 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 have been successful in Dual Enrollment Algebra 2 and wish to continue in math 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).*

Please see section titled "Options for College Credit for HB Courses" for specific information about Dual Enrollment/Early College courses; this course earns 4 college credits through CCSNH.

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 to 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. Students will solve problems applying vectors, probability combinations, permutations, and basic statistics. Students will study the following function families: quadratics (including conic sections and complex numbers), polynomials, exponential, logarithmic, radical, and rational. A grade of B- or higher in Algebra 1 and Accelerated Geometry is suggested. *A graphing calculator is required for this course (recommended model: TI-84).*

HD342. Dual Enrollment Algebra 3/Trigonometry **Gr.11-12** **1 credit** **Full Year**

Prerequisite: Algebra 2, a grade of B- or higher in Dual Enrollment Algebra 2, or permission of the Department Chair

(Mathematics)

This precalculus 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 Precalculus may not take Algebra 3/Trigonometry. Students may not take Algebra 3/Trigonometry and Precalculus concurrently. *A graphing calculator is required for this course (recommended model: TI-84).*

Please see section titled "Options for College Credit for HB Courses" for specific information about Dual Enrollment/Early College courses; this course earns 4 college credits through CCSNH.

H344. Precalculus **Gr.11-12** **1 credit** **Full Year**

Prerequisite: Accelerated Algebra 2 or a grade of C or higher in Algebra 2, or permission of Department Chair

(Mathematics)

This precalculus 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, series, and limits (both 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 Precalculus, not Precalculus.

H345. Honors Precalculus **Gr.10-12** **1 credit** **Full Year**

Weighted Course

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

(Mathematics)

Honors Precalculus 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. Precalculus topics (including polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and limits) 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 precalculus topics is strongly stressed throughout this class. *A graphing calculator is required for this course (recommended model: TI-84).*

HD346. Calculus **Gr.11-12** **1 credit** **Full Year**

Prerequisite: Precalculus, Honors Precalculus, 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.**

Please see section titled "Options for College Credit for HB Courses" for specific information about Dual Enrollment/Early College courses; this course earns 3 college credits through SNHU.

H347. Advanced Placement Calculus AB **Gr.11-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: A grade of B- or higher in Honors Precalculus 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).*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H335. Advanced Placement Statistics **Gr.11-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: Honors Precalculus, or a grade of B or higher in either Accelerated Algebra 2 or Precalculus, 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).*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H260. 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.

H262. 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 **Every Other Day**
(Physical Education)

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 **Every Other Day**
(Health Education)

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, HO52B. Unified PE, Unified PE Spring **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: Credit received for Fitness/Wellness
(Physical Education)

This class includes outdoor recreation and adventure activities. The weather does not deter this class as we enjoy hiking and leaf peeping during autumn months, snowshoeing during winter months, snowshoeing during winter months, and trekking through mud during the spring. Outdoor skills such as map and compass/orienteering activities, archery, hiking, and hiking safety. 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 all seasonal conditions is required. We will frequently access the Beaver Brook Association trail network for this course.
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: Credit received for 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: Credit received for 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: Credit received for 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**	

H410E. 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. In this course, students will develop a fundamental understanding of physical science. Students will explore physical science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
Note *Students can receive credit for either General Science or Physical Science, but not both.*

H411E. 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. In this course, students will develop a fundamental understanding of physical science. Students will explore physical science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
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. In this course, students will develop a fundamental understanding of biological science. Students will explore biological science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
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. In this course, students will develop a fundamental understanding of biological science. Students will explore biological science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
***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: Completion of Accelerated Algebra and concurrently taking Geometry; students are strongly encouraged to follow the recommendation of their current science teacher and have earned an A in Accelerated Algebra
(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. In this course, students will develop a fundamental understanding of biological science. Students will explore biological science phenomena and conduct investigations in which they collect, interpret, analyze and explain data. 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. In this course, students will develop a fundamental understanding of biological science. Students will explore biological science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
***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. In this course, students will develop a fundamental understanding of chemical science. Students will explore chemical science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.

***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. In this course, students will develop a fundamental understanding of chemical science. Students will explore chemical science phenomena and conduct investigations in which they collect, interpret, analyze and explain data. 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: Physical Science or Accelerated Biology; 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. In this course, students will develop a fundamental understanding of chemical science. Students

will explore chemical science phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
***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.*
Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H433. Environmental Science + **Gr.11-12** **1 credit** **Full Year**
Prerequisite: Physical Science with Earth Science, and 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; and 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.*
Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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. In this course, students will develop a fundamental understanding of physics. Students will explore physics phenomena and conduct investigations in which they collect, interpret, analyze and explain data.
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 Precalculus
(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. In this course, students will develop a fundamental understanding of physics. Students will explore physics phenomena and conduct investigations in which they collect, interpret, analyze and explain data.

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 Precalculus

(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. In this course, students will develop a fundamental understanding of physics. Students will explore physics phenomena and conduct investigations in which they collect, interpret, analyze and explain data.

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

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H260. 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.

H262. 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 prior to 2030 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. Starting with the class of 2030 four social studies credits are required for graduation. In addition to above requirements, students will also need to take History, Government, and Constitution of US and NH, 1 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) **Music in American History**	**(Electives)** **AP US History** **AP Psychology** **Anthropology** **Archeology** **Criminology** **Music in American History** **Project StartUp** **Psychology** **Sociology**	

H235. U.S. History **Gr.9** **1 credit** **Full Year**
(U.S. & N.H. History)

U.S. History is a required course for ninth-graders. IIt 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. In each unit, emphasis is given to critical turning points in U.S. & N.H. history and the responsibilities identified with being a citizen of both the United States and N.H. 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. This course satisfies the NH requirements for .5 credit for United States History, and .5 credit for New Hampshire History.

H211. World Studies **Gr.10** **1 credit** **Full Year**
(World Studies)

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, conflicts, including the Holocaust and the Rwandan genocide, and periods of 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 **Gr.10** **1 credit** **Full Year**
Weighted Course
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: *This course fulfills the sophomore World Studies requirement. Students who enroll in this course will be required to complete a summer assignment prior to the start of class.*
Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H221. Civics **Gr.11** **0.5 credit** **Semester**
(Civics)

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" with a grade of 60% or higher. 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*.

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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. Advanced 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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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 and January as part of their Midyear exam.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H241. Anthropology **Gr.11-12** **0.5 credit** **Semester**

(Social Studies)

Anthropology is a semester-long, project- and discussion-based 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 **Gr.12** **0.5 credit** **Semester**

(Social Studies)

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 **Gr.11-12** **0.5 credit** **Semester**

(Social Studies)

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.10-12** **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 **Gr.11-12** **0.5 credit** **Semester**

(Social Studies)

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 **Gr.11-12** **1 credit** **Full Year**

(Social Studies)

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 **Gr.11-12** **0.5 credit** **Semester**

(Social Studies)

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.

H260. 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.

H262. 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-and supports to ensure that all students have opportunities to engage meaningfully in their school community and develop skills to successfully transition to post secondary experiences. The Student Support Team addresses the unique needs of these students through a variety of team-designed programs and settings.

PROGRAM AND RESOURCE ROOMS

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.

MILTS (Moderate, Inclusive, LifeSkills, Transition Services) -Life Skills I

Life Skills I 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 Life Skills I 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 and adult service provider enrollment. Life Skills I prepares students and their families for a successful transition into life beyond high school.

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

SOAR (Success, Opportunity, Achievement, Resilience) - Life Skills II

This program supports students with intensive needs in developing personal self-care, communication, and self-regulation skills through individualized instruction. Each student's learning needs are addressed using visual supports, communication tools, and structured routines tailored to their strengths. Real-life scenarios, community experiences, and meaningful projects help students apply their skills in authentic settings. The program also focuses on building self-awareness and regulation strategies to promote positive and effective participation within the school community. Students will develop the knowledge, skills, and confidence needed to participate successfully in a variety of work experiences both within the school and the community. Students engage in hands-on, performance-based learning opportunities while contributing to the school community, practicing goal setting, teamwork, and problem-solving.

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

ACCESS -Resource Room

This resource room is designed to support high-functioning students with Autism Spectrum Disorder (ASD) who are enrolled in general education classes and also benefit from structured, individualized support in social-emotional learning (SEL), self-advocacy, and executive functioning. This resource room emphasizes inclusion and active participation in the general education setting while providing access to specialized instruction, resources, and interventions aligned with each student's unique needs. This resource room services students who demonstrate cognitive and academic abilities within or near grade level expectations and who may require targeted skill development and flexible supports to successfully navigate the social-emotional, and executive functioning demands of high school.

H030. Supported Study **Gr.9-12** **No Credit** **Semester**

Prerequisite: Approval from Student Intervention Team and/or 504 Team (Student Services)

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.

H020, HO20B. Directed Study, Directected Study Spring **Gr.9-12** **0.5 credit** **Semester**

Prerequisite: Per student's Individualized Education Program

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

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: Per recommendation of student's Individualized Education Program and LEA (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, H016B. English Learners (EL), English Learners (EL) Spring **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.

H061. Fiemus Career Exploration **Gr.10-12** **Varying credit Semester**
Prerequisite: Per Student's Individualized Education Program
(Student Services)

In this class, students explore learning styles, including multiple intelligences, and aptitudes while exploring a wide range of career and interest areas. Project, field trips, and informational interviews help students to learn more about a range of careers.

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, HO51B. Unified Music, Unified Music Spring **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, HO52B. Unified PE, Unified PE Spring **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.

Visual and Performing Arts

Theater

H162. Acting **Gr.9-12** **1.0 credit** **Full Year**
(Arts Education)

This course consists of Spolin improv games, 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, write, 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. The course also 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.

H815. Improvisational Theatre **Gr.9-12** **1.0 credit** **Full Year**
(Arts Education)

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 improvs on stage. These skills include vocalization, stage presence, and incorporation of a basic knowledge of classical, historical, and contemporary topics.

The second semester 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 improve 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.
Note: Participation in concerts and functions during school and after school hours is expected.

H163. Theatre Studies **Gr.9-12** **1 credit** **Full Year**
(Arts Education)

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** **0.5 credit** **Full Year**
Every Other Day

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.

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

H909. Honors Concert Band **Gr.10-12** **1 credit** **Full Year**

Weighted Course

Prerequisite: Jazz Band or Concert Band and audition in February of the previous academic year; Flute, Oboe, Clarinet, Bassoon, French Horn, Euphonium/Baritone, Tuba, Percussion

(Arts Education)

Students enrolled in Concert and Jazz Band may receive honors credit by completing a number of additional assignments throughout the year. Finals and midterms would include diminished scales and harmonic minor scales on top of the major and natural minor scales that are already required. Honors students will also be given more complex rhythmic dictations.

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.

H912. Jazz Band **Gr.9-12** **0.5 credit** **Full Year**
Every Other Day

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

(Arts Education)

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 flute, clarinet, 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: Credit received for Jazz Band or Concert Band and audition in February of the previous academic year;
Bass guitar, Drum set, Guitar, Piano, Saxophone, Trombone, Trumpet
(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 **Gr.9-12** **0.5 credit** **Semester**
(Arts Education)

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 February 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 **Gr.9-12** **0.5 credit** **Semester**

(Arts Education)

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, HO51B. Unified Music, Unified Music Spring **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.*

Dance

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 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**
(Electives without prerequisites) **Ceramics** **Introduction to Graphic Arts** **Digital Photography 1** **Sculpture**	**Digital Photography 2**	

H850. Fundamentals of Art **Gr.9-12** **0.5 credit** **Semester**
(Arts Education)

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 **Gr.9-12** **0.5 credit** **Semester**
(Arts Education)

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 **Gr.9-12** **0.5 credit** **Semester**
(Arts Education, Practical Arts)

Using Adobe *Illustrator,* 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: Credit received for 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.
Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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: Credit received for 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: Credit received for 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: Credit received for 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 teaches how cameras work~~,~~ and how to use lighting and different camera functions for artistic effect. Composition guidelines and the elements and principles of art are addressed. Students will edit their work in Adobe Lightroom and create a portfolio of their work by the end of the semester

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 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.

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 *if recommended*	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 *if recommended*	French/Spanish III	French/Spanish IV	
French/Spanish I	French/Spanish II *if recommended*	French/Spanish III	French/Spanish Honors IV	AP French/Spanish
		Latin I	Latin II Latin I	Latin III 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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

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.*

Please see section titled "Options for College Credit for HB Courses" for specific information about AP courses.

H512. Latin I **Gr.10-12** **1 credit** **Full Year**

(World Language)

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.

H532. Latin III **Gr.12** **1 credit** **Full Year**

Prerequisite: Latin II or permission of the Department Chair

(World Language)

The purpose of Latin III is to deepen students' mastery of Latin through increasingly complex grammatical structures, enriched vocabulary, and authentic readings from Roman authors. Building on the foundation of Latin I and II, students will refine their translation and interpretation skills while engaging more fully with Roman and Greek history, literature, and philosophy. Emphasis will be placed on understanding longer and more sophisticated Latin texts in context, with continued focus on etymology and connections to English. Through the study of Classical texts and ideas, students enhance critical thinking, cultural awareness, and linguistic precision across disciplines. Latin and the knowledge passed down from the Classical world benefits students both abstractly, in their ability to think and be moral agents in the world, and pragmatically, indicated by metrics such as higher test scores and an increased command of English vocabulary and grammar.

H260. 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.

H262. 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 2026-2027 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.*

Courses will qualify for NH Scholars per their designation at the CTE school

Programs

The following courses of study 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 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.

Alvirne High School

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

Nashua Technology Center

Accounting, Finance, & Bus.
Advanced Manufacturing
Automotive Tech
Biotechnology
CADD
Careers in Education
Computer Science and Tech
Construction Tech
Cosmetology
Culinary Arts
Cybersecurity
Design & Visual Comm.
Electrical Technology
Engineering Electives
Health Sciences
HVACR
Marine Robotics
Marketing (Retail, Sports, Social Media)
Video Production

Courses

Accounting, Finance, and Business

Accounting Fundamentals *(Nashua)* **Gr.11** **1 Credit** **Semester**
(Practical Arts)
Does your future include owning you own business? This course teaches students the process of accurate recordkeeping for the preparation of business financial statements and the determination of the value of a business.

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.11-12** **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.

Advanced Accounting Topics *(Nashua)* **Gr.11-12** **1 credit** **Semester**
Prerequisite: College Accounting 1
(Practical Arts)
For students who love accounting and computers, here's more! Topics include departmentalized accounting and corporate accounting. Uses software that complements text and completes a variety of computerized activities that simulate real world applications.

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

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.

Air Force JROTC

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

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 Science of Aviation *(Alvirne)* **Gr.11-12 Credit TBD Full Year**

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. The Leadership Education is designed to improve student communication skills, and include speaking and writing assignments, study of individual and group behavior, and basic leadership concepts.

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

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

Global Studies is the third-year course for JROTC and is more academically challenging. 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 U.S. Army, Marine Corps, Navy, an Air Force JROTC 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 shaped each region. Leadership academics are designed to study and improve student management skills, choosing a career path, how to apply for and fun college, skills inventory, and resume writing.

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

Prerequisite: JROTC 3

This is the fourth-year course for JROTC. Cadets in this class will be help to the highest academic and behavioral standards. Cadets in JROTC Leadership 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, an exemplary record of behavior and classroom conduct, not only in JROTC but in all classes, in order to enroll in JROTC. Leadership Education is 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.11-12 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.11-12 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 and supply their own instructor-approved safety shoes; lab coats will be provided.*
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 and supply their own instructor-approved safety shoes; lab coats will be provided.*
College Credit: May be available through the Dual Enrollment program.

Biotechnology

Biotechnology & Biomedical Sciences 1 *(Nashua)* **Gr.11-12 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.

Cosmetology

Cosmetology 1 *(Nashua)* **Gr.11-12 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.*

Computer Science, Technology, and Engineering

Computer Networking 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 2 *(Nashua)* **Gr.12 2 Credits Full Year**
Prerequisites: Computer Networking 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 trucking protocol, classless routing such as CIDR and VLSM, WAN theory, and design and technology including PPP DDR ISDN and Frame Relay. Explores network administration and management, learning optical network fundamentals, understanding the theory and practice of virtual private networks (VPNs), and building strategies for network security. Students will also study wireless LANs and investigate alternate operating systems. Programs are approved as CISCO Academy.

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

(ICT, Practical Arts)

Learn about cybersecurity threats, cyber ethics, computing fundamentals, networking, cryptology, Linux, risk identification, and system administration. Expect an engaging, hands-on learning environment with simulations and authentic cybersecurity applications. Participate in cybersecurity competitions.

Cybersecurity 2 *(Nashua)* **Gr.11-12 1 Credit Semester**

Prerequisite: Cybersecurity 1

(ICT, Practical Arts)

Students continue their cybersecurity journey by focusing on social engineering, Linux/Windows system administration, networking basics, SQL databases, malware and computer system vulnerabilities while exploring the cybercrime underworld. Further, students will work more in depth with simulation software along with the National Cyber League where students will compete with other students across the nation in rankings and possible scholarship awards. Students will have the opportunity to complete certificates with IBM Skills Building Cyber-Security Programs, Cyber.org, and Paradigm Systems.

Computer Aided Drafting & Design 1 (CADD 1) *(Nashua)* **Gr.11-12 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 2) *(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.*

Computer integrated Manufacturing *(Nashua)* **Gr.11-12** **1 Credit** **Semester**

Prerequisite: Algebra 1

(ICT, Practical Arts)

Manufactured items are a part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing while teaching students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

Introduction to Engineering Design *(Nashua)* **Gr.11-12** **1 Credit** **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)* **Gr.11-12** **1 Credit** **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** **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.

Marine Robotics *(Nashua)* **Gr.11-12** **1 Credit** **Semester**

Prerequisite: Algebra 1

(ICT, Practical Arts)

The course will introduce students to the world of robotics. Students will engage in hands-on, problem-solving activities with a team approach to develop a working underwater robot. The objective of this course is to introduce the basic concepts in robotics, focusing on design, building, and testing of mobile robots applying current state-of-the-art research and application. Students will gain an introductory understanding in Programming and Microprocessor technology. Course information will be tied to lab experiments as students work in teams to build and test underwater robots, culminating in an end-of-course robot contest.

Robotics Using VEX *(Nashua)* **Gr.11-12** **1 Credit** **Semester**

(ICT, Practical Arts)

Students will master the fundamentals of science, technology, engineering, and math (STEM) by designing robots using VEX EDR and Autodesk, inventor, Frame Design, electronics, mechanics, and integrating systems. Students will utilize mechatronics principles and will compete in head-to-head competitions with the robots. This course is a bridge from middle school robotics into the Engineering Pathway.

Construction Technology

Construction Technology 1 *(Nashua)* **Gr.11-12 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 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.

Power Mechanics 1&2 *(Nashua)* **Gr.11-12 0 .5 credit/ea. Semester(total)**

(ICT, Practical Arts)

Students learn the principles and methods of engine disassembly, inspection and diagnosing causes of breakdown and failure of engine parts. Students specialize in the repair of 2 and 4 cycle engines while learning proper procedure and correct use of tools, safety, and test equipment. Power Mechanics is an entry level course preparing the student for a possible career as a mechanic, parts person, salesperson, power equipment technician, designer, and automotive service technician. Power Mechanics 2 will be hands-on repair or diagnostic techniques covering the evolutionary development and scientific principles of small engine operation. Engine systems and troubleshooting methods including failure analysis techniques will be presented as well as power transmission and drive trains.

Culinary

Culinary Arts 1 *(Nashua)* **Gr.11-12 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.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

Child Growth and Development *(Nashua)* **Gr.11-12 1 Credit Semester**
(Practical Arts)
Covers the development of a child during pregnancy and from birth through are 6 including the physical, intellectual, emotional and social development of a child. It's true that "kids don't come with instructions," so students also explore the enormous responsibility of parenting, learning the skills necessary to raise a happy and healthy child. This course includes class discussions, individual and team projects, and written assignments. This course will especially benefit those pursuing careers working with children such as Careers in Education and Health Science.

Careers in Education 1 *(Nashua)* **Gr.11-12 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.11-12 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.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**
(Practical Arts)

To conserve, manage and protect the biodiversity of our planet is critical for human survival. The management of Earth's natural resources is essential to keeping our communities safe for need in the 21st century, ensuring we have water to drink, food to ear, air to breathe, and materials for shelter. Activities covered in this course include identification and classification of plants and animals, forest and wildlife ecology and management, invasive species, biodiversity and habitat loss, climate change, and alternative energies. Considerable class time will take place outdoors where students will be involved in hands-on learning in Alvirne's 126-acre registered NH Tree Farm. Students will be introduced to a variety of tools and technologies used in natural resource management and conservation, including remote sensing with satellites and drones, computer-based mapping with Geographic Information Systems (GIS), and handheld Global Positioning Systems (GPS).

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

This course is a continuation of Natural Resources 1 with a strong focus on sustainability. In year two, students will have the opportunity to pursue interests in Fish and Game, aquaponics, greenhouse management, and alternative energy. The Alvirne Tree Farm and greenhouse will continue to serve as the main laboratory spaces for the class, however, student projects could take them to locations across the region. The course will continue the use of a variety of tools and technologies used in natural resource management and conservation, including remote sensing with satellites and drones, computer-based mapping with Geographic Information Systems (GIS), and handheld Global Positioning Systems (GPS). Students will be encouraged to pursue industry recognized credentials such as OSHA 10 and Wilderness First Aid.

Graphic Arts & Communications

Design and Visual Communications 1 (*Nashua)* **Gr.11-12 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 concepts into digital illustrative form.

Desktop Publishing *(Nashua)* **Gr.11-12 1 Credit Semester**
(Practical Arts)

Students create digital and print publications for business use by applying design principles. Students design logos and learn proper layout for advertisements, newsletters, brochures, flyers, and other business forms.

Digital Apps and Communications *(Nashua)* **Gr.11-12 1 Credit Semester**
(Practical Arts)

This course will take your online skills to the next level so you can safely participate in the online world while taking advantage of available productivity and communication apps.

Health Sciences

Veterinary Science 1 (*Alvirne)* **Gr.11-12 2 Credits Full Year**
Prerequisite: Biology with a grade of B- or better

(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. 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: *Algebra 1 skills will be required in this program.*

Veterinary Science 2 (*Alvirne)* **Gr.12 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: *A chemistry course taken previously or concurrently is strongly recommended for this course.*

Health Sciences 1 (*Nashua)* **Gr.11-12 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 that qualifies students to be candidates for the NH Licensed Nursing Assistant Exam (LNA). Clinical rotation in other health care fields may be offered if employer sites are available.

Note: *Students in the program are required to purchase LNA scrubs, name tag pins, and a watch with a second hand, and pay for an LNA test fee, a state licensing fee, a criminal background check, and mandatory drug testing. These cost approximately $300. Students may also work in medical facilities in Nashua that require full vaccinations or tests including, but not limited to: COVID-19, Flu shot, TB (lab test or two step).*

Heating, Ventilation & Air Conditioning (HVAC)

Heating, Ventilation, Air Conditioning, and Refrigeration 1 (*Nashua)* **Gr.11-12 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.11-12 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.11-12 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.11-12 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.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.

Video Production

Video Production & Broadcasting *(Nashua)* **Gr. 11-12 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 and Fabrication 1 *(Alvirne)* **Gr.11-12 2 Credits Full Year**
(Practical Arts)
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 and Fabrication 2 *(Alvirne)* **Gr.11-12 2 Credits Full Year**
Prerequisite: Welding 1
(Practical Arts)
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.

Art Club
Baking Club
Chemistry Club
Chess Club
Climbing Club
Community Wellness Ambass.
Culture Club
Dance Club
Debate Team
DECA
Dungeons & Dragons Club
Econ Ed Club
Fall Play
French Club
Gay Straight Alliance
Green Group
Guitar Night Club
Girl Up
Good Samaritan Club
Granite State Challenge
Green Group
Guitar Night Club
HB the Change
Herstory
Homefront Heroes
K Pop Club
Latin Club
Math Team
Model United Nations
Mountain Bike Club
Musical
National English Society
Outing Club
Pickleball Club
Red Cross Club
Robortics
Rotaract Club
Science Olympiad
Ski & Snowboard Club
Spanish Club
Spring Play
Student Council
Tech Crew Club
Thespian Society
Tri-M (Music Honor Society)
Ultimate Frisbee
Yearbook
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. ***Courses that are NCAA eligible are marked with the NCAA icon throughout the Program of Studies.***

HBHS Athletics

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

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

NCAA Approved Courses

Advanced Writing
Algebra 1
Algebra 1A
Algebra 1B
Algebra 2
Algebra 2, Accelerated
Algebra 3/ Trigonometry
Anatomy&Physiology
Anatomy&Physiology, Honors
Anthropology
AP Biology
AP Calculus
AP Chemistry
AP English Language and Composition
AP English Literature and Composition
AP Environmental Science
AP French
AP Physics I
AP Physics II
AP Psychology
AP Spanish
AP Statistics
AP US Government and Politics
AP U.S. History
AP World History
Biology
Biology, Accelerated
Calculus
Chemistry
Chemistry, Honors
Civics
Intro to Economics and Pers Finance
English 9
English 9, Accelerated
English 9 Read
English 10
English 10 Read
English 10 Accelerated
French I
French II
French III
French IV
French IV, Honors
Geometry
Geometry, Accelerated
Honors Literature
Latin I
Latin II
Latin III
Memoirs&BiographyFall/Spring
Physical Science w/Earth Science
Physics
Physics, Honors
Poetry
Precalculus
Precalculus, Honors
Psychology
Science Fiction
Sociology
Spanish I
Spanish II
Spanish III
Spanish IV
Spanish IV, Honors
U.S. History
U.S. Literature
U.S. Literature, Honors
World Literature
Writing

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	Precalculus	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)-*incl. art*	3.0
Fitness/Wellness	1.0	Writing	0.5	Elective(s)-*incl. art*	2.0		
Elective(s)-*incl. art*	1.0	Physical Education	0.5				
		Elective(s)-*incl. art*	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 *

Index

Weighted Courses** are **bold

***A:** Fulfills Art requirement*

***B:** Fulfills Biological Science Requirement*

***P:** Fulfills Physical Science Requirement*

***+:** Fulfills 4th Year Math Requirement (incl. ALL Math courses)*

***^:** Course qualified to meet third science credit requirement*

***ICT:** Fulfills Info and Comp Tech requirement*

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

Acting **A** p. 71
Advanced Writing, p. 35
Aide Positions, p. 22
Algebra 1, p. 41
Algebra 1A, p. 41
Algebra 1B, p. 41
Algebra 2, p. 43
Algebra 2, Accelerated, p. 43
Algebra 2, Dual Enrollment with Quantitative Reasoning, p. 43
Algebra 3/Trigonometry, Dual Enrollment p. 42
Algebra, Essentials, p.69
Anatomy & Physiology **B +** p. 57
Anatomy & Physiology, Honors, B + p. 57
Anthropology, p.63
Applied Vocational Skills I, II, p.69
AP Art and Design, A p.77
AP Biology, B + p. 57
AP Calculus, p. 45
AP Chemistry, P + p. 54
AP Computer Science A, ICT + p. 24
AP Computer Science Principles, ICT + p. 23
AP English Language and Composition, p. 32
AP English Literature & Composition, p. 32
AP Environmental Science, B + p. 54
AP French, p. 82
AP Physics I, P + p. 56
AP Physics II, P + p. 56
AP Psychology, p. 61
AP Spanish, p. 85
AP Statistics, p. 45
AP U.S. History, p. 62
AP U.S. Government and Politics, p. 62
AP World History, p. 61
Archeology, p.63
Band, Concert, **A, EOD** p. 72
Band, Honors Concert, A p. 72
Band, Honors Jazz, A p. 73
Band, Jazz, **A, EOD** p. 72
Biology, **B +** p. 51
Biology, Accelerated, **B +** p. 52
Business and Professional Writing, p. 33
Calculus, p. 45
Career Studies ELO, p.21
Ceramics, **A** p. 77
Chemistry, **P +** p. 53
Chemistry Essentials, **P +** p. 52
Chemistry, Honors, P + p. 53
Chemistry and Society, **P +** p 52
Choir, Concert, **A** p. 73
Choir, Honors A, p. 73
Civics, p. 61
Consumer Math, **+** p. 70
Criminology, p. 63
Dance, Movement & Music, **A** p. 48, 75
Digital Electronics, PLTW, **+** p. 26
Digital Photography 1,2, **A** p.78
Directed Study, p. 67
Drawing 1,2 **A** p. 77-78
ELO, p.21
Engineering Technologies, Fall/Spring, PLTW, **+** p.26
English 9, p. 29
English 9, Accelerated, p. 29
English 9 Read, p. 29
English 10, p. 30
English 10, Accelerated, p. 30
English 10 Read, p. 29
English Learners (EL), p. 68
Environmental Science, **+** p. 54
Fashion & Retail Merchandising, p. 38
Fiemus Career Exploration, p.69
Film Studies, p. 34
Fitness, **EOD,** p. 47
FLEX PE (Participation in Athletics or Community-Based Activity), p.47
Foods & Nutrition 1,2 p. 38
French I, p. 81
French II, p. 81
French III, p. 81
French IV, p. 82

French IV, Honors, p. 82
Fundamentals of English, p. 31
Fundamentals of Art, **A** p. 76
General Science with Earth Science, **P +** p.51
Geometry, p. 42
Geometry, Accelerated, p. 42
Geometry, General, p. 42
Guitar I, II, **A** p. 73
Human Relations, p. 39
ICT Digital Portfolio **ICT**, p. 23
Improvisational Theatre, **A,** p. 71
Individualized Math Program, p. 41
Interior Decorating, p. 39
Introduction to Economics and Personal Finance, **+** p.61
Intro to Graphic Arts, **A** p. 77
Intro to Modern Languages, p. 81
Intro to Strength + Conditioning, p. 49
Journalism, p. 34
Latin I, p. 85
Latin II, p. 85
Latin III, p. 86
Life Science, **B +** p. 51
Life Skills I, II, p. 69
Literacy, p. 68
Literature, **Honors,** p. 34
Memoirs & Biography Fall/Spring, p. 35
Music in American History, p.64
Music Theory & Composition, **A** p. 73
Outdoor Adventures, p.48
Painting, **A** p. 78
Personal Finance **A +** p. 39
Personal Fitness, p.48
Physical Science with Earth Science, **P +** p. 51
Physics, p.55
Physics, Honors, p.55
Poetry, p. 35
Popular Reading, p. 35
Precalculus, p. 44
Precalculus, Honors, p. 44
Principles of Engineering, PLTW, **+** p. 27
Project StartUp: The Entrepreneur's Journey, p. 64
Psychology, p. 64
Reading, p. 68
Science Fiction, p. 35
Sculpture, **A** p.76
Senior Quest, p. 27, 36, 46, 58, 65, 79, 86
Sociology, p. 65
Spanish I, p. 83
Spanish II, p. 83
Spanish III, p. 84
Spanish IV, p. 84
Spanish IV, Honors, p. 84
Supported Study, p. 67
Team & Individual Sports, p.49
Theatre Studies, p. 71
Unified Music, p. 70, 74
Unified Physical Education, p.48, 70
U.S. History, p. 60
U.S. Literature, p. 31
U.S. Literature, **Honors,** p. 31
Wellness, **EOD**, p. 47
Wellness & Health (Life Skills), p. 68
Work Experience Program, p. 69
Work Study I, II, p. 21-22
World Literature, p. 36
World Studies, p. 60
Writing, p. 30
Yearbook, p. 36

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