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MISSION STATEMENT

Pittsfield Middle High School accepts responsibility for developing graduates who are engaged citizens. Recognizing our learners' diverse interests and abilities, we provide them with challenging educational opportunities in a safe, caring and intellectually stimulating environment.

ACADEMIC EXPECTATIONS

- A. Students will be engaged and responsible citizens.
- B. Students will make informed decisions.
- C. Students will communicate effectively.
- D. Students will be effective problem solvers.

SOCIAL EXPECTATIONS

- A. Students will demonstrate respect, consideration for other people, their opinions, property and rights.
- B. Students will participate in respectful discourse with other members of the school community.
- C. Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
- D. Students will provide/offer assistance and concern for those in need.
- E. Students will demonstrate/practice good judgment with regard to risk behaviors.
- F. Students will behave in a manner that reflects positively on their family, school and community.

CIVIC EXPECTATIONS

- A. Students will participate in a community service project.
- B. Students will balance support for authority with a willingness to responsibly dissent from authority.
- C. Students will demonstrate their knowledge about a citizen's right to appeal decisions.
- D. Students will demonstrate their knowledge about a citizen's right to legal representation.
- E. Students will demonstrate their knowledge about a citizen's responsibility to vote.

PRINCIPAL’S MESSAGE

Dear Students of Pittsfield Middle High School,

This course of studies book contains a large amount of information. It also contains opportunities, challenges, academic pathways, and some of the keys to your future. Use the resources in this book wisely. Planning your course of studies should be a process, not an event.

The academic resources that your school and town provide you during your high school years are summarized in this book. There are a wide array of courses and course sequences offered here at PMHS. There are a number of required courses and a minimum number of credits required for graduation. In addition, there are many opportunities to explore subjects through introductory courses and then to motivate you to continue on to more advanced learning in a variety of areas.

Your education is a partnership between you and your family and the school. Your school faculty has a wealth of experience and expertise in their subject areas. The teachers, guidance staff and administration are all here to help you be the best you can be. Take full advantage of the “people” resources that PMHS has to offer as you plan and live out your personal educational journey.

Sincerely,

Richard Gremlitz
Interim Principal

Suggested College Preparatory Program

GRADE	CREDIT	COURSES	GRADE	CREDIT	COURSES
9	1.0	English 9	10	1.0	English 10
	1.0	Algebra I or Geometry CP		1.0	Geometry CP or Algebra II CP
	1.0	Biology		1.0	Physical Science CP
	1.0	Geo-Political Studies		.50	American Government CP
	1.0	World Language		.50	Economics CP
	.50	Physical Education		1.0	World Language II
	.50	Health I		.50	Health II
	.50	Information & Communication Technologies (ICT)		.50	Fine Arts
	.50	Earth Science *		1.0	Open Elective (s)
	.50	Open Elective(s)			
11	1.0	English 11	12	1.0	Reading/Writing Intensive English electives (1 each)
	1.0	Algebra II CP or Adv. Math		1.0	Adv. Math /Calculus or Statistics
	1.5	Chemistry CP		1.5	Physics or Human Anatomy CP
	1.0	United States History CP		1.0	Global Issues CP
	1.0	World Language III		1.0	World Language IV
	1.0	Open Elective(s)*		1.0	Open Elective(s)*
				.25	Community Service**

Suggested Technical Preparatory Program

GRADE	CREDIT	COURSES	GRADE	CREDIT	COURSES
9	1.0	English 9	10	1.0	English 10
	1.0	Algebra I		1.0	Geometry TP
	1.0	Biology		1.0	Physical Science TP
	1.0	Geo-Political Studies		.50	American Government TP
	.50	Physical Education		.50	Economics TP
	.50	Health I		.50	Physical Education
	.50	Information & Communication Technologies (ICT)		.50	Health II
	1.0	Open Elective(s)		.50	Fine Arts
				1.0	Open Elective(s)
11	1.0	English 11	12	1.0	Reading/Writing Intensive English Electives (1each)
	1.0	Algebra II TP		1.0	Math Course (as needed)
	.50	Intro to Earth Science *		1.0	Science Course (as needed)
	.50	TP Science semester			
	1.0	United States History TP		1.0	Global Issues TP
	2.0	Technology Center Course***		2.0	Technology Center Course***
	1.0	Open Elective(s)		1.0	Open Elective(s)
				.25	Community Service*

*Intro to Earth Science is a recommended elective for all students.

** Students have four years to earn 37.5 hours of community service. They should plan to earn some hours every year of high school and not limit community service to their senior year.

*** Other junior and senior year options could focus on a local course emphasis such as Business Education, Technology Education, Family and Consumer Sciences or Arts Education.

NOTE: If Health, PE, ICT cannot be scheduled in grades 9/10, students will fit them into schedules in grades 11/12 in order to meet all graduation requirements.

Admission to Post-Secondary Schools

General requirements for most four year colleges/universities are:

- 4 years of English
- 3 years of one world language
- 3 years of college preparatory mathematics
- 3 years of social studies
- 3 years of science (biology, chemistry, physics, or anatomy and physiology)
- 16 electives or more

Example: University of New Hampshire, Boston University and St. Anselm College

Requirements for highly selective colleges/universities are:

- 4 years of English
- 4 years of one world language
- 4 years of college preparatory mathematics
- 3 years of social studies
- 4 years of science (biology, chemistry, physics, or anatomy and physiology)
- 18 or more electives

Example: Dartmouth College, Harvard University and Princeton University.

Requirements for technical institutes are:

- 4 years of English
- 3 years of college preparatory mathematics
- 3 years of science (preferably biology, chemistry and physics)
- 10 or more electives

Example: Wentworth Institute, New Hampshire Technical Institute and Franklin Institute.

General requirements for community technical colleges:

- 4 years of English
- 2 years or more of college preparatory mathematics (preferably algebra and geometry)
- 2 years or more of science (preferably in biology and chemistry or physics)
- 8 or more electives

Example: N. H. Community Technical College at Laconia, Manchester and Stratham.

During the school year, admissions officers from some schools and colleges visit our school, as do recruiters from the military services. The dates of these visits are announced in advance, and interested juniors and seniors should make appointments to meet with these representatives.

All students can access college catalogues in the Guidance Department. Students should plan visits to post-secondary schools during their junior year, or before November of their senior year. Additional information is also available on the Internet at www.petersons.com, www.usnews.com/college, www.princetonreview.com and www.collegeboard.com.

The guidance office has information on all deadlines and offers a financial aid workshop for parents/guardians in the fall of each year.

College and Other Entrance Examination Information

Many colleges require that students take the Scholastic Aptitude Reasoning Test (SAT I) and three Subject Tests (SAT II). Some colleges prescribe the tests that students must take, while others allow the student to make the selection. Students usually take these examinations their junior and senior years.

TEST	SUGGESTED YEAR	SUGGESTED TIME
Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT)	Sophomore (Required) Juniors (for NMSQT)	October
Scholastic Aptitude Reasoning Test (SAT I)	Junior*	May, June
Scholastic Aptitude Reasoning Test (SAT I)	Senior*	Oct., Nov., Dec., Jan.
Scholastic Aptitude Subject Test (SAT II)	Junior* Senior*	June Nov., Dec., Jan.
Armed Services Vocational Aptitude Battery (ASVAB) & Career Search	Senior	Fall

Specific dates, locations, and fees will be announced.

*Please see the Guidance Director for information about College Board eligibility for fee waivers.

Graduation Requirements

Total Credits	Curriculum Area	Prescribed Courses
1/2	Arts Education	1/2 credit (music, art, drama) *
1/2	Information & Communication Technologies	1/2 credit
4	English/Language Arts	4 credits
3	Mathematics	3 credits of course work to include algebraic concepts (Algebra I)
3	Science	1 credit (Biology) 1 credit (Physical Science) 1 credit science electives (1/2 credit of Earth Science is strongly recommended)
3	Social Studies	1 credit (Geo-Political Studies) 1/2 credit (American Government) 1/2 credit (Economics) 1 credit (U.S. History)
1	Physical Education	1 credit (grade 9 and 10 1/2 credit)
1	Health Education	1/2 credit HE 1 & 1/2 credit HE 2
6	Open Electives	Credits selected from any of the course offerings
1/4	Community Service	1/4 credit (37.5 hours)
22 1/4		

*Graphic Arts I at the Concord Regional Technology Center is included.

GENERAL INFORMATION

Program approval: The program that is finally selected by each student must be signed and approved by the student and his or her parents or guardians.

Course selection: Courses are scheduled on a semester or yearlong basis. When you consider a course please note how it is scheduled and the impact that it may have on other courses you may want to take. A student may register for any course provided he or she meets the prerequisites.

Priority registration: In certain courses there may be a limited number of sections available. Registration priority will generally be given to students who require the course for graduation with subsequent priority given to class standing in the following order: seniors, juniors, sophomores, and freshmen.

Course cancellation: The courses listed in this Course Offerings book may be cancelled for a variety of reasons. Students are asked to select alternative courses. If other selected courses are cancelled these alternatives will be used in order of preference on their "Course Selection Forms."

Minimum program: Students should register for as many courses as possible. Registrations may not include more than one study period per day. Seniors who qualify for senior release may, with administrative approval, be waived from the standard schedule.

Virtual High School and Other Online Learning Opportunities: Students have the opportunity to select from a full catalog (<http://www.govhs.org/Pages/Academics-Catalog>) of semester-length and full-year courses including Advanced Placement (AP) and Pre-AP courses that are not otherwise offered at Pittsfield Middle High School. Course selection and enrollment is handled through the Guidance Office and the VHS Site Coordinator. Courses are taught entirely over the Internet and offer an opportunity to engage in unique collaboration opportunities with peers from around the world. A limited number of seats are available each semester; students interested in enrolling in VHS classes must be highly motivated and demonstrate strong writing and time management skills. Because online classes do not match the learning styles of all students, it is strongly recommended that students complete a pre-assessment through the Guidance Office or the site coordinator before registering for VHS classes.

Other opportunities for online learning are available through the Virtual Learning Academy Charter School (www.VLACS.org) and *eStart*, which allows high school students to take courses through the Community College System of New Hampshire and earn credit for college and high school. Credit will not be granted for any online courses which have not been pre-approved by school administration, and students are responsible for any tuition fees.

Program changes: Students, parents, counselors, and teachers should communicate fully prior to course selection. It is expected that courses selected during the period of student enrollment in the spring of the year shall become the student's educational program in the fall.

Once school begins, a student may request a change of a full year course up to and including the fifth day of class, provided that the request is deemed academically appropriate, and not for superfluous reasons. All requests for course changes that can be accommodated by the student's schedule must receive signed approval by the parent and guidance counselor. Changes and additions in semester courses will be decided based on attendance guidelines.

Class withdrawals: It is essential that students devote sufficient time to planning their schedules so that withdrawals are avoided. Students are responsible for all courses for which they register unless they officially withdraw through the guidance office. A withdrawal will result in a "WP" (withdrew passing) or "WF" (withdrew failing) grade and no credit. No student may withdraw from courses needed to meet program or graduation requirements. Students under 18 years old are required to have a parent's signature to drop a course. Each request for withdrawal will be considered on its own merit and according to the educational needs of the student.

Repeating a course: Students who must repeat a full-year course because of failure should contact the guidance office to add the course to their schedules prior to the opening of the new school year or obtain pre-approval for an alternative credit recovery plan.

Class standing: Students are required to accumulate a specific number of credits and courses in order to be considered for promotion from one grade to another. Class standing requirements are as follows:

Sophomore = 5.5 credits

Junior = 11 credits

Senior = 16.5 credits or more

In addition, students need to have passed their grade level English course. It is recommended that students accumulate community service hours as follows:

10 hours by the end of Sophomore year;

20+ hours by the end of Junior year;

Total Required: 37.5 hours (1/4 credit)

Diploma: A comprehensive diploma will be awarded to each student who meets the minimum requirements for graduation.

Class attendance: Daily attendance at school and in class is extremely important. All absences will be applied to possible loss of course credit except those caused by school-related activities. Students are responsible for work missed during a period of absence and making arrangements to complete the work promptly. Because not all classroom learning can be replicated in a make-up assignment, teachers will decide what make-up work is appropriate.

Guidance services: Students who have clear and challenging educational and career goals are destined to do well in high school and beyond. The guidance department works with all students beginning in the seventh grade to explore career interests and develop career and educational goals. This goal setting will intensify in the freshman curriculum where students will be helped by guidance counselors, advisors and teachers to solidify plans for further education and training beyond high school.

Levels: Pittsfield Middle High School has adopted a philosophy that all students can master challenging course work. We are committed to significantly raising the reading, mathematics, science, technical and problem solving competencies of all students.

By the end of 9th grade, students will select either the College Preparatory or Technology Preparatory classes. In many places in the curriculum these programs overlap. Course descriptions within this Course Offerings book designate individual courses as "College Prep" or "Tech Prep." As these names imply, the College Prep courses prepare students to go on to a two-year or four-year college program, while the Tech Prep courses prepare students for a technical school or technical college. "Core" courses are classes required of all students, whether they pursue College or Tech Prep coursework.

Inclusion: Students with disabilities will receive support services identified in their Individual Education Plan (IEP) that will allow them to be successful. Whenever feasible, these students will be in regular classrooms with curricular adaptations or modifications, and/or support services provided by special education teachers and/or aides.

Special Education students: Students with IEP's must meet with a member of the Special Education Department to plan their course enrollment for the school year. Instructional skill building courses as well as support services and guided study halls are available for identified students.

Instructional study halls: Students who register for a study hall in their schedule will be expected to utilize their study hall period for academic purposes. Study halls are supervised by members of the professional staff to assist students with organizational skills and/or academic concerns. During most periods of each school day, the library is also available to assist students with research papers and other projects.

Community Service requirement: All students graduating from Pittsfield High School are required to complete 37.5 hours (1/4 credit) of community service. Community service hours should be accrued regularly throughout a student's four years of high school.

A list of community service jobs and projects approved by the principal is available from the attendance office. If a student wants to complete a type of service not listed, pre-approval of the principal or designee is required as indicated on the Verification of Community Service Form.

Each time a student completes an approved portion of his or her community service it must be verified. To verify community service, the student must fill out a Verification of Community Service Form, have it signed by an official from the organization from whom the service was completed, and finally have it submitted to the principal or designee.

Students must volunteer their community service time. No payment, awards or rewards can be accepted, nor can your service result in profit for a person or business. Services for a relative will not be credited toward this requirement. The reward for community service is the knowledge that we have contributed to our community or helped others less fortunate than ourselves.

Summer school and credit recovery: Students who fail a required course such as English, mathematics, science, or social studies, or who do not receive credit due to excessive absences, should plan to attend an approved summer school program. Students who attend summer school will be required to pay a tuition charge.

Students who wish to attend a summer school program and receive credit must obtain prior course approval through the guidance office. A passing grade of "C" or above, or "Pass" in a pass-fail course, must be earned in the summer school course to grant credit. Credit for attendance at summer school is also dependent upon meeting the requirements established by individual summer school programs.

In order to be eligible attend summer school and receive credit for a course that was failed, a student must have received a passing grade for at least half of the regular PMHS course, and must have attended the course for its duration. Students who do not meet this prerequisite must repeat the course during the regular school year or develop an alternate credit recovery plan with administrative approval.

Computer usage: All students are encouraged to use word and data processing skills in completing assignments as soon as they are capable. Major papers and other student assignments submitted to teachers will be computer-generated whenever possible. Students and teachers are encouraged to make regular use of the school's computers during regular class periods and study halls.

COURSE DESCRIPTIONS

Business/Information & Communication Technologies

A half credit in Information & Communication Technologies is required for graduation. Computer Literacy is the introductory course. Students who have demonstrated competency in computer literacy at the middle school level through completion of a digital portfolio can meet the requirement by taking a more advanced ICT course. Students may wish to consider enrolling in Business/Information and Technology courses, as available, in grades 9 & 10 in preparation for application to Information Technology at Concord Regional Technology Center during their junior year.

- (0301) Computer Literacy
- (0302) PC Applications
- (0303) Website Design
- (0304) Personal Finance I
- (0324) Personal finance II
- (0306) Accounting I
- (0307) Secretarial/Administrative Support Internship
- (0310) Business/Personal Law
- (0311) Business Math
- (0313) Desktop Publishing I
- (0316) Yearbook Production
- (0317) Digital Photography
- (0318) Videography
- (0320) Introduction to Computer Science
- (0331) Principles of Marketing

**Computer Literacy
Grade 9 and above**

(0301)

**1/2 credit
Required**

Required for all students who have not demonstrated competency in computer literacy, through completion of a digital portfolio by the end of eighth grade. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies

Students will learn the skills necessary to set up and operate IBM computers. Various types of software will be used to cover the following topics: word processing, data bases, spreadsheets, graphics, and basic programming principles. Students will learn the correct touch operation of the computer keyboard while emphasizing speed and accuracy. Students will explore the role of computers in our society and computer-related careers.

Social Expectations

- Students will demonstrate respect and consideration for other people, their opinions, property and rights.
- Students will participate in respectful discourse with other members of the school community.
- Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
- Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations

Students will participate in a community service project. Students will balance support for authority with a willingness to responsibly dissent from authority.
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**PC Applications
Grade 10 and above****(0302)****1/2 credit
Elective**

PREREQUISITE: Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies .

This course introduces students to desktop applications with an emphasis on topics from a user perspective. Topics include use of: an operating system, a word processor, a spreadsheet, presentation software, internet and hardware and software considerations.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Website Development & Design
Grade 9 and above****(0303)****1/2 credit
Elective**

PREREQUISITE: Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

Fundamentals of graphic design, as applied to the web, are discussed and web sties created using an HTML web authoring tool. Topics include: web site planning and testing; web page layout; proper navigation; use of color and images; web hosting; publishing to a server; promoting web sites; web site accessibility; and legal issues in web design. Participants reinforce their web design skills though the design and development of their own web site design project.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Personal Finance
Grade 9 - 12****(0304)****1/2 credit
Elective**

This class teaches the skills needed for being on your own after completion of your formal education. Topics covered include: getting a job, banking, owning and maintaining a car, purchasing insurance, and obtaining housing.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Personal Finance II
Grade 9-12****(0324)****1/2 credit
Elective**

PREREQUISITE: Personal Finance I

Students in this course will advance their knowledge using the financial skills they learned in Personal Finance I. Topics that will be covered: the fundamentals of investing, stocks, bonds and real estate. There will be extensive training in home, motor vehicle, health, disability, and life insurance.

Accounting I (0306) **1 credit**
Grade 11 & 12 **Elective**

PREREQUISITE: Algebra I

Accounting is a systematic method of keeping, planning, analyzing and interpreting financial records of a business. Accounting will allow the student to build on basic math skills while learning overall accounting concepts, principles and accounting procedures. This course is designed to help students learn how accounting relates to different careers, learn accounting terminology, and apply accounting procedures. Accounting will provide students with an understanding of the accounting principles, cycle and equation which are essential for success. Two practice sets will be completed. Microsoft Excel spreadsheet software and the computer will be used to complete a minimum of seventeen assignments at various times of the year. This course will provide the student with computer experience in accounting. Upon completion of this course, students should be able to obtain entry-level jobs such as general office clerks or accounting clerks.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Secretarial/Administrative Support Internship (0307) **1/2 credit**
Grades 11 and 12 **Elective**

PREREQUISITE: Computer Literacy or demonstrated competency

Students will arrange a work schedule with a teacher, school secretary or administrator to learn and perform administrative support skills such as time management, records management, information and communication systems, and reprographics. The course may be elected for one semester.

Business/Personal Law (0310) **1/2 credit**
Grade 10 and above **Elective**

This course offers students a basic understanding of the legal rights and responsibilities of those who live in our private enterprise economy. Studies of legal cases will be used to reinforce this understanding.

Business Math (Tech Prep) (0311) **1 credit**
Grades 11 and 12 **Elective**

PREREQUISITE: Teacher Recommendation

This course offers mathematics within the framework of our business world and should be useful to all students. Among the topics taught are: payroll, banking, taxes, insurance, charge accounts, housing

costs, investments, discounts, marketing, warehousing and distribution. Each student must have a calculator for class. Permission from school administration is required in order to take this course for one of the three math credits required for graduation.

**Desktop Publishing I
Grade 9-12**

(0313)

**1/2 credit
Elective**

PREREQUISITE: Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

Students will learn the basic principles of electronic layout and design. Importing text and graphics will be introduced. Basic photography will be used. A newsletter will be produced in this class.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Yearbook Production
Grades-10 and Up**

(0316)

**1 credit
Elective**

PREREQUISITE: Computer Literacy or demonstrated competency, permission of instructor. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

Yearbook Production is a full-year program specifically designed to produce a quality yearbook. Students will be responsible for:

- Soliciting advertisements both during school and after school hours;
- Selecting editors for various departments;
- Becoming familiar with layout and design of pages;
- Learning proper writing style;
- Increasing knowledge of photography and photo selection;
- Completing all assignments;
- Meeting deadlines.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully(show self- control, good judgment).
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**Digital Photography
Grade 9 and above**

(0317)

**1/2 Credit
Elective**

PREREQUISITE: Principles of Art and Design, Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

Through this half-year course, students will be exposed to the basics of good photography, photographic technique, and image manipulation. Topics include: Care and handling of camera equipment; Camera operation and modes; Comparison of digital vs. film photography; Composition; Proper exposure; Different categories of photography; Lighting; Image improvement/modification using software, etc. The aim of the course is to significantly improve the quality of the images taken by participants, and to direct that talent for school and community use as well as for personal and professional growth potential. Ownership of a digital camera is recommended but not required. A photography exhibit and portfolio of student works will be required.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will demonstrate a willingness to resolve conflicts peacefully (show self- control, good judgment).
 Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations

Students will participate in a community service project.
 Students will balance support for authority with a willingness to responsibly dissent from authority.

**Videography
Grade 9 and above**

(0318)

**1/2 Credit
Elective**

PREREQUISITE: Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

Students electing this half-year course will be introduced to the digital video camera and its capabilities in great detail. They will practice their video techniques at school and community events and activities, including those associated with sports, music and drama. Thus, there will be assignments requiring some after-school and out-of-school “filming.” They will develop storyboards and use video-editing software to create original “film projects”, and will present their films to the school and community.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will demonstrate a willingness to resolve conflicts peacefully(show self- control, good judgment).
 Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations

Students will participate in a community service project.
 Students will balance support for authority with a willingness to responsibly dissent from authority.

**Introduction to Computer Science
Grade 10 and above**

(0320)

**1/2 Credit
Elective**

PREREQUISITE: Algebra I and Computer Literacy or demonstrated competency. This course fulfills the NH State graduation requirement of ½ credit in Information and Communication Technologies.

This course presents a broad survey of the computer science discipline. Topics covered include binary arithmetic and logic, analysis and design of algorithms, software applications and database management, computer programming using Java, computer organization and hardware design, and social and ethical issues of computing. Upon completion of this course, a student will be able to:

1. Represent and interpret quantitative and analytical information symbolically, graphically, numerically, and digitally.

2. Understand how choices of data structures and algorithms influence the functionality of practical solutions.
3. Understand the significance of other number bases to computers, in particular the binary and hexadecimal systems.
4. Understand the symbolism of Boolean logic and the graphical representation of truth tables and how they translate into physical circuits.
5. Understand how the systems in a computer are built up from basic circuits, machine code, high-level languages, operating system services and user applications.

**Principles of Marketing
Grade 11 & 12**

(0331)

**1/2 Credit
Elective**

PREREQUISITE: Permission of instructor

This course explores application of marketing principles to the solution of a wide variety of problems and cases including target markets, product selection, channels of distribution, promotion and pricing. The course provides the student with the information and decision-making skills necessary to start a small business and make it grow. It also benefits students who don't plan to start or run their own businesses. It helps all students understand their roles as consumers. Upon completion of this course, a student will be able to:

1. Understand the elements of the marketing mix and demonstrate how they relate to one another.
2. Evaluate pricing techniques in various environmental situations.
3. Select the most appropriate distribution channels for products.
4. Create effective promotions and promotional strategies.
5. Develop a business plan.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

English

- (1701) English 9 (Individualized)
 - (0503) English 9
 - (1702) English 10 (Individualized)
 - (0506) English 10: Individual in Society
 - (1703) English 11 (Individualized)
 - (0504) English 11: American Literature
 - (1704) English 12 (Individualized)
 - (0531) AP English 11/12: Language & Composition
 - (0532) AP English 11/12: Literature & Composition
- AP=Advanced Placement

Note: Seniors not enrolled in Individual English 12 or Advanced Placement English must meet their Senior English requirement by taking one Reading-Intensive (RI) elective and one Writing-Intensive (WI) elective or by taking electives noted as "Hybrid Courses," combining both reading and writing intensive work.

Electives:

- | | |
|---|---|
| (0523) Reading Workshop I | (0542) It's a Messed Up World: Dystopian Fiction (RI) |
| (0533) Reading Workshop II | (0543) From Page to Stage (Hybrid) |
| (1759) Reading Rebound | (0544) Journalism I (Hybrid) |
| (0513) Drama Workshop | (0545) Journalism II (Hybrid) |
| (0517) Creative Writing (WI) | (0546) Nature Studies (Hybrid) |
| (0518) Speech in Society | (0547) Senior Seminar I (WI) |
| (0519) Film Studies (Hybrid) | (0548) Senior Seminar II (Hybrid) |
| (0521) Poetry (Hybrid) | (0549) Sports Literature (RI) |
| (0524) Memoir (WI) | |
| (0540) Creative Non-Fiction (WI) | |
| (0541) Death in Literature (RI) | |
| (0542) It's a Messed Up World: Dystopian Fiction (RI) | |

English 9 (Individualized)

(1701)

**1 credit
Required**

PREREQUISITE: Recommendation of the Special Education Department

Students taking this course will improve reading, writing, speaking in front of the class, study skills and analytical skills. They will read two novels outside of class time and report in writing or orally. Students will study novels, short stories, poetry and non-fiction. Students will learn how to research, organize information and write an effective paper. Students will complete most of their work in the supervised setting of the class. A student's course work may be modified according to Individualized Education Plan goals.

Social Expectations:

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| Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community. |
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Civic Expectations:

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| Students will balance support for authority with a willingness to responsibly dissent from authority. |
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**English 9
Grade 9**

(0503)

**1 credit
Required**

English Nine introduces students to several major genres of literature and prepares them for the literacy demands of high school. Students write extensively, producing personal narratives, essays, poems, and fiction. Thematically, the course focuses on how individuals, particularly young people, form their identities in modern America. Most of the literature studied will be twentieth century or contemporary American literature. The course culminates in a multi-genre research project in which each student investigates a particular time and place in Twentieth Century America, creates a fictional character facing a challenge, and documents the character's identity within the time and place.

Social Expectations:

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| Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community. |
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Civic Expectations:

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| Students will balance support for authority with a willingness to responsibly dissent from authority. |
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**English 10 (Individualized)
Grade 10**

(1702)

**1 credit
Required**

PREREQUISITE: English 9 and recommendation of the Special Education Department.

This course will provide opportunities for students to expand their skills in reading, writing, public speaking, and analysis of written and graphic information. A major focus will be the development of clear and complete presentations of opinion and information in writing and speech. A weekly writing assignment and vocabulary study are required. Students will read two novels outside of class and report to the class orally. In class they will study fiction, nonfiction and coordinate some assignments with American Government and Economics. Homework will be assigned several times a week. Most assignments will be completed during class time. A student's course work may be modified according to Individualized Education Plan goals.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will demonstrate/practice good judgment with regard to risk behaviors.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**English 10: Individual in Society
Grade 10**

(0506)

**1 credit
Required**

PREREQUISITE: Successful completion of English 9.

In addition to reinforcing and expanding skills learned in English 9, this course will require extensive reading, vocabulary study, regular composition writing including an emphasis on the essay, synthesis of various texts, and an in-depth focus on the analysis of literature. There will be increased emphasis on effective communication skills, the use of technology, and standard research skills. Many assignments will be coordinated with those of courses in economics and American government to provide an interdisciplinary approach to learning. In the fourth quarter, students will research one aspect of the school or community or a specific organization within the community, present a proposal to meet a need, and produce a culminating project to show what they have learned.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

English 11, 12

Grade 11 (Individualized)

(1703)

**1 credit
Required**

Grade 12 (Individualized)

(1704)

PREREQUISITE: Recommendation by the Special Education Department

Students taking this course will study American literature one year, English and non-western literature the other. Each semester will be organized around a central theme. Students will write essays, descriptive passages, character studies and summaries. They will complete applications, write résumés and cover letters, as well as use newspapers to locate information. Students will improve vocabulary, spelling and grammar as integral parts of reading and writing. They will read two books outside of class and report to the class. Students will study visual communication techniques and will practice public speaking. A student's program may be modified in accordance with Individual Education Plan goals.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**English 11: American Literature
 Grade 11**

(0504)

**1 credit
 Required**

PREREQUISITE: Successful completion of English 9 and English 10 or with permission of the instructor.

America was built on the written and spoken word. As America has grown and changed, so has the literature of our country. Dive into the past that shaped our nation into what it is today! First semester will address English language and literature from European discovery through the Civil War in units organized by genres: narratives, speeches, letters/journals, and articles. Second semester, students will study Emancipation through modern times in units organized thematically: reconstruction, the American Dream, social reform, and contemporary culture. Students will complete outside reading assignments from a selected list of American authors. While this is a reading intensive course, a lot of history will be covered, and students will be expected to write often: examples of the genres being studied, responses in a journal, and a final project/paper on a specific topic.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Advanced Placement English: Language and Composition
 Grade 11 & 12**

(0531)

**1 Credit
 Required**

PREREQUISITE: B or higher in English 10, or with permission of instructor

AP Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way language conventions and the resources of language contribute to effectiveness in writing. The course prepares students for the College Board Advanced Placement Exam, which students are expected to take in May. A score of 3 – 5 on the exam can earn college credit. (May be offered alternate years).

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Advanced Placement English: Literature and Composition
 Grade 11/12**

(0532)

**1 Credit
 Required**

PREREQUISITE: B or better in English 10, or with permission of instructor

The AP Course in Literature and Composition engages students in careful reading and critical analysis of imaginative literature. Through the intense reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. As they read, students 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. The course prepares students for the College Board Advanced Placement Exam, which students are expected to take in May. A score of 3 – 5 on the exam can earn college credit. (May be offered alternate years).

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Full Credit Electives

These full credit courses are offered to provide enrichment and support in achieving academic success in high school and beyond. Reading Workshop and Reading Rebound may be counted as open electives but cannot be used to meet required English credit(s) for graduation.

Reading Workshop I	(523)	1 credit
Reading Workshop II	(533)	Elective

PREREQUISITE: Recommendation by faculty and administration

This course is an enrichment opportunity for students to strengthen their reading ability, to better prepare them for high school and college level work and provide an opportunity for them to become more successful and engaged readers within a supportive community. Students in Reading Workshop will be encouraged to take risks and try out new methods and strategies based on research. This course may be repeated as recommended by faculty and administration based upon individual student needs.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Reading Rebound	(1759)	1 credit
		Elective

PREREQUISITE: Recommendation of Student Services

This course assists students to continue to build on the foundation of skills needed for students to become successful and engaged readers within a supportive community. Reading Rebound will use assessments to determine what areas need to be strengthened and developed within the class using new methods and strategies based on research.

Half-Credit Electives:

These courses do not fulfill English requirement for students in grades 9-11. Students in grade 12 must select one Reading-Intensive and one Writing Intensive or Hybrid electives in order to meet their

senior English requirement. Courses which do not carry these designations may be counted as open electives but cannot be used to meet the English requirement for grade 12 students.

Drama Workshop

(0513)

**1/2 credit
Elective**

PREREQUISITE: Permission of the instructor

This course will introduce students to the many challenges of putting on a theater performance. The strongest emphasis will be placed on developing transferable skills in acting in front of a group. Students will also be involved in learning and fulfilling the practical responsibilities of the stage crew and production staff. Additionally, by conducting a historical survey of the development of different theater forms, students will examine the contention that theater is a reflection of the human condition. The course will culminate in a public play performance. This class fulfills the graduation requirement for half a credit in fine arts.

**Creative Writing
Writing –Intensive**

**(0517)
*Offered Semester 2***

**1/2 credit
Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of the instructor. This class is limited to 15 students and seniors will be given priority.

This course is not just for people who like to write, but for anyone who has a good imagination, a creative personality, and enjoys trying something new. Students in this course explore various types of writing, including (but not limited to) narratives, short stories, poems, nonfiction, and plays. Through teacher, peer and group conferences within the class, students' writing skills will be improved by emphasizing creativity and correct expression. Students will create a portfolio of their works, and selected student material will be published in a school literary journal and/or the school newspaper.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Speech in Society
Grade 9 and above**

(0518)

**1/2 credit
Elective**

This course will focus on developing practical speaking skills. Students will learn to determine the characteristics of audiences, to identify the purpose of presentations, and to assess effective communication techniques. This will be achieved through debating, chairing meetings, teaching skills, and conducting interviews. Additionally, students will examine and utilize negotiation strategies to resolve conflicts of personal and national concern.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Film Studies
(Hybrid Course)**

**(0519)
*Offered Semester 1***

**1/2 credit
Elective**

PREREQUISITE: Completion of English 9 or higher, *and* permission from the instructor. This course is limited to 15 students and seniors will be given priority.

This course will examine film as an art medium. Students will learn about film production – from script to screen – and film history – from silent film to today’s blockbusters. They will learn how to analyze film from a technical, artistic, and literary standpoint. They will treat each film (about 20 in a semester) as they would a book in a literature class, taking notes, learning background information, and analyzing it in the context of the technical information they are learning in class. Students are expected to take notes on every film. Notes include observations of the story and characters portrayed, the technical and artistic choices and techniques in the film, and the student’s own reactions to the film. These notes from the previous day are the student’s “ticket” to class the next day, to ensure that they are working, not just passively watching movies. Students convert their notes into “film journals,” which include all of the above in a prescribed format. Students will also do special projects, including a research project on a person in the film industry and an in-depth analysis of a variety of his or her work across his or her career.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights. Students will participate in respectful discourse with other members of the school community. Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Poetry
Hybrid Course**

**(0521)
*Offered Semester 1***

**1/2 credit
Elective**

PREREQUISITE: Completion of English 9 and English 10 or with permission of the instructor. This class is limited to 15 students and seniors will be given priority.

Poetry is a semester-long elective seminar for students interested in reading and writing poetry. The course will approach poetry as a living craft. While the specific content of the course is designed with the interests and experience of participants in mind, reading will stress contemporary poetry. Students will practice the craft of writing poetry through writing exercises. They will write free-verse poetry and poems in traditional forms. Students will learn the language of discussing, analyzing, and composing poetry and learn to develop an informed taste in poetry. Students will be encouraged to publish one or more of their poems in a magazine for high school readers and produce a self-published collection at the end of the semester.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights. Students will participate in respectful discourse with other members of the school community. Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Creative Nonfiction
Writing-Intensive**

**(0540)
*Offered Semester 2***

**1/2 credit
Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

For the avid writer and the student who just can’t come up with an idea to write about, creative nonfiction can provide the spark to producing new and unique kinds of writing. This class will expose

students to different kinds of nonfiction writing. Students will read a few examples of mixed-genre nonfiction, including Thoreau, Terry Tempest Williams, Augusten Burroughs, and Klosterman to explore possibilities for their own writing. In the first quarter, students will practice writing the memoir, the feature article, the profile, and the informative speech. They will also practice new media forms of nonfiction composition, including the blog and video production. Students will then select a form of nonfiction to develop further with an extended piece or portfolio as their final product.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Death in Literature
 Reading-Intensive**

(0541)
Offered Semester 1

½ credit
Elective

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

“To be or not to be . . . to die: to sleep; no more . . .” – William Shakespeare. Death is a major theme in innumerable works of literature. This course will allow students to go deeper into this theme in order to better understand the relationship between literature and the human condition. Potential books include Camus’s The Stranger, J.D. Salinger’s The Catcher in the Rye, and Elie Wiesel’s Night. We will also look at short stories, including Nathaniel Hawthorne’s “Young Goodman Brown”, Stephen King’s “The Man in the Black Suit”, and William Faulkner’s “A Rose for Emily”, as well as poetry with an emphasis on the epitaph through Edgar Lee Masters’ Spoon River Anthology.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**It’s a Messed Up World: Dystopian Fiction
 Reading-Intensive**

(0542)
Offered Semester 2

½ credit
Elective

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

This one-semester reading course will highlight several fictional, dysfunctional worlds. Students will first read Fahrenheit 451 as a class, connecting the exaggerated problems in Ray Bradbury’s fictional society with real modern-day issues as well as other literature. Students will then read excerpts from Thomas More’s Utopia and write a critical essay about this idealistic vision of society. Students will design their own “Utopia,” highlighting real world problems that would not exist in their visionary nation state. Students will then choose two further dystopian novels, including 1984, V for Vendetta, Brave New World, Handmaid’s Tale, Atlas Shrugged, and Catch 22 to do a comparison study. We will also critically view dystopian films, including *Brazil*, *Children of Men*, *Gattaca*, and *V for Vendetta*. Students should gain an understanding of utopian and dystopian concepts in literature and society as well as a mastery of the literary elements of satire, hyperbole, fantasy, and realism.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**From Page to Stage
Hybrid Course**

(0543)

**½ credit
Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

There is a lot more to drama than just being an actor or loving the limelight, so this course will focus on all of the aspects that go into taking a script and transforming it into a performance. This course will explore the elements of plays and theatrical productions and how those elements, including script, props and set, acting, lighting, and sound, come together to create the theatre experience. One dramatic text will be chosen for close analysis of every scene from a theatrical point of view, exploring structure, action, events, reversals, and ways of staging that will bring it to life. The class will stage the play very simply, script in hand, and present it during the end of the semester. All students in the class will participate in the reading of the play (NOTE: That does not say performance!). Students will write a final scene adaptation/response paper.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Journalism I
Hybrid Course**

(0544)

Offered Semester 1

**½ credit
Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

Extra! Extra! Read all about it! This course will allow students to build on writing and literacy skills learned in English 9 and 10 through the study of Journalism. The course will be both reading and writing intensive as we study various types of articles, reviews, reports, analyses, and media. There will be an emphasis on how human communication led to the need for and development of the dissemination of news. Journalism I will focus on the origins of Journalism through its role in the American Revolution. Students taking this course will be expected to be involved in the writing and production of the school newspaper, the *Pittsfield Panther Press*.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Journalism II
Hybrid Course**

(0545)

Offered Semester 2

**½ credit
Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

Stop the presses! We have breaking news! There's more journalism to come! This course will allow students to build on writing and literacy skills learned in English 9 and 10 through the study of

Journalism. The course will be both reading and writing intensive as we study various types of articles, reviews, reports, analyses, and media. There will be an emphasis on Journalism in America starting with the Journalistic Giants of Hearst, Greely, and Pulitzer and moving through different genres of American media to the advent of the internet. We will also explore case studies including Watergate and role of Journalism in the Kennedy assassination. Students taking this course will be expected to be involved in the writing and production of the school newspaper, the *Pittsfield Panther Press*.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Memoir (Write Your Story)
 Writing-Intensive**

(0524)
Offered Semester 2

½ credit
Elective

PREREQUISITE: Successful completion of English 9 and English 10 or permission of instructor. This course is limited to 15 students and seniors will be given priority.

Write your life story! This one-semester course will give students the chance to write an extensive memoir or personal reflection on a specific experience, relationship, or time period that has impacted their lives. They will read examples of memoirs and adolescent development theory to help guide their thinking and writing. They will also participate in multiple conferences with both the teacher and fellow students throughout the revision process. At the end of the semester students will have produced a reflective, intriguing, publishable twenty-page memoir.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Nature Studies
 Hybrid Course**

(0546)
Offered Semester 1

½ credit
Elective

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

Albert Einstein said, “Look deep into nature, and then you will understand everything better.” Whether you are an outdoorsman, a hunter, a hiker, a gardener, or a lover of seasons, this class will motivate you to get out more than you do! This course will look at literature that is inspired by nature and consider how a place can create such strong emotions from humans, such as Refuge, Into the Wild, Walden, The Journals of Lewis and Clark, and much more. With regular trips outside and in the woods, journaling, and writing, Nature Studies will consider the impact of the earth on humans, and humans on the earth as a means for understanding ourselves and the world around us more fully.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Senior Seminar I

(0547)

½ credit

Writing-Intensive*Offered Semester 1***Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors ONLY.

This course is focused on all of the writing tasks seniors have to do – from preparing college applications and essays, to studying and prepping for the SATs, to preparing a resume, and much, much, more. Students will also explore career options, go on job shadowing trips and be encouraged to participate in internships, and create community service projects that involve reading, writing, and speaking skills. While this is a writing-intensive course, students will also read poetry, current events articles, and other useful and pertinent items.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights. Students will participate in respectful discourse with other members of the school community. Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Senior Seminar II**(0548)****½ credit****Hybrid Course***Offered Semester 2***Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors ONLY.

Have you ever thought to yourself, “Wait! I have to leave high school? I’m not ready for the real world!” This class doesn’t have the answers on what to expect from life or how to deal with everything you might encounter after high school, however, it will help you explore yourself and the world around you while having a chance to say goodbye to PMHS and childhood. We will read literature that makes us reflect, think, and feel, as well as write responses, conduct interviews, and participate in activities. The course will culminate in the reading of Tuesdays with Morrie and the publication of *Lessons for Seniors*, an annual PMHS student-written book.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights. Students will participate in respectful discourse with other members of the school community. Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Sports Literature**(0549)****½ credit****Reading-Intensive***Offered Semester 2***Elective**

PREREQUISITE: Successful completion of American Literature, senior status, or permission of instructor. This class is limited to 15 students and seniors will be given priority.

As H.G. Bissinger points out in *Friday Night Lights*, small towns across America have “all found something similar in which to place their faith. In Indiana, it was the plink-plink-plink of a ball on a parquet floor. In Minnesota, it was the swoosh of skates on the ice. In . . . dozens of other states, it was the weekly event simply known as Friday Night” (35). For many students – and adults, for that matter – athletics give us something to do, something to hope for and work hard for; they shape us into who we are. Students in this class will read both fiction and non-fiction works about sports and the relationship between athletics and academics. Students will keep journals based on what they read and

their own experiences, making connections among readings and to their lives; the culminating project will be a research paper on a particular facet of sports in high school or in our society.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights. Students will participate in respectful discourse with other members of the school community. Students will behave in a manner that reflects positively on their family, school, and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Fine Arts Instruction

Each student must take and pass a minimum 1/2 credit of fine arts. Music, art and drama courses are open to students in grades 9 - 12.

Art

(0201) Principles of Art and Design

(0202) Ceramics

(0203) Crafts

(0204) Drawing and Painting

(0205) Studio Art

**Principles of Art and Design
Grade 9 and above**

(0201)

**1/2 credit
Elective**

Principles of Art and Design is a laboratory course which teaches basic art skills and introduces the student to art history and art appreciation. Students will learn to express their own ideas through art work, will use vocabulary appropriate to the art form, and will create a variety of projects that demonstrate what they have learned. Organization of work area and time, the care and use of a variety of materials, and self-motivation will be stressed. Areas studied will include drawing, painting, perspective, India ink, printing, lettering, ceramic techniques, and an introduction to basic computer use and computer graphics.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Ceramics
Grade 9 and above**

(0202)

**1/2 credit
Elective**

PREREQUISITES: Principles of Art and Design or permission of instructor

Ceramics is a laboratory course that teaches basic ceramic skills and vocabulary. Hand methods of construction as well as wheel throwing will be taught. The history of ceramic construction will be taught in conjunction with each project assigned. Students will learn to use and care for a variety of tools and materials. They will learn to fire and glaze their ceramic projects. They will create a variety of projects that will demonstrate what they have learned in class. Problem solving and creative thinking are emphasized in this course. Students will also be instructed in the use of the computer in the art room to get and print notes on various topics covered in class. This may be a review for some, but will teach computer skills to others as part of the art program. Students will make pinch

construction, slab construction, coil construction, and create ceramic sculptures as they work on the wheel.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Crafts
Grade 9 and above**

(0203)

**1/2 credit
Elective**

PREREQUISITES: Principles of Art and Design or permission of instructor

Crafts is a laboratory course which teaches basic craft skills. The history of each craft will be given with each class presentation or demonstration. Students will learn to use and care for a variety of materials and will identify the materials, processes, and tools used in the production of various crafts projects. The ability to organize a work area and to complete projects will be stressed as will vocabulary, self-motivation and effort. Students will be required to use the computer as part of class work for both notes and graphics. Students will do printing, batik, acrylic painting on crafts, fiber crafts, and paper marbling.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Drawing and Painting
Grade 9 and above**

(0204)

**1/2 credit
Elective**

PREREQUISITES: Principles of Art and Design or permission of instructor

This course further develops the skills of drawing and painting and the knowledge of art history. Students will learn to use and care for a variety of materials and will identify the materials, processes, and tools used in the production of various products. Vocabulary related to art forms, self-motivation and self direction in class work will be stressed. Areas covered include: pencil, chalk, charcoal, connate crayon, pastels, pen and ink scratch board, water color and acrylics.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Studio Art
Grade 10 and above**

(0205)

**1/2 credit
Elective**

PREREQUISITES: Principles of Art and Design, any other art course, or permission of instructor

This laboratory course reviews basic art skills and art history. Then students are expected to learn more advanced skills and to apply them in producing original art works. Product will be a great part of the student's grade. The course is geared to the student who can work independently on assigned projects. Students will be expected to design and complete projects on their own with independent research and help from the instructor. A research paper will be required with the student giving an oral report on it as well. Care and maintenance of art materials and the studio area are part of the course requirements. Computer graphics are also required. Students will use acrylic paints, water colors, pen and ink as well as do crafts, ceramic work and sculptures.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

The following independent study courses in Art are available on a "space available" basis with instructor's approval, provided prerequisites have been met:

- Advanced Studio Art**
- Advanced Ceramics**
- Advanced Drawing and Painting**

Music Education

- (1201) Band
- (1202) Chorus
- (1204) Music Appreciation I
- (1208) Music Appreciation II
- (1205) Music Composition I
- (1206) Music Composition II
- (1211) Musical Keyboarding I

Chorus (1202) **1/2 credit**
Grade 7 and above **Elective**

PREREQUISITE: None

This course will serve to increase musical skills such as music reading, vocal technique, singing in parts, and performance practices. A wide range of musical styles will be examined and performed. Individual practice will be required, as well as two to three rehearsals per week. There will be one required public concert per semester. Other concerts also may be scheduled.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Band (1201) **1/2 credit**
Grade 7 and above **Elective**

This course will serve to increase musical skills such as music reading, instrumental technique, musical sensitivity and performance practices. A wide range of musical styles will be examined and performed. Individual practice is required, as well as two to three in-school rehearsals per week. There will be one required public concert per semester. Other concerts may also be scheduled.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Music Appreciation I (1204) **1/2 credit**
Grade 9 and above **Elective**

A listening history of music from the Middle Ages through the 21st century. Styles, characteristics and major composers of each period will be explored. Weekly listening and writing assignments will be completed.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Music Appreciation II

(1208)

1/2 credit

Prerequisite: Music Appreciation I

Elective

General musical knowledge learned in Music Appreciation I will be expanded to include more specific and in depth research, reporting and study of the musicians and musical styles of composers and their work from the Middle Ages through the 21st century

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Music Composition I

(1205)

1/2 credit

Grades 9 and above

Elective

Students will write original musical composition following principles learned about musical theory, notation, and terms. Various styles of vocal and instrumental music will be examined and applied to their own compositions. Students will share performance and critiques within the class; they may elect to perform publicly as well.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Music Composition II

(1206)

1/2 credit

Grades 9 and above

Elective

Prerequisite: Music Composition I

Students will use skills learned in Music Composition I to further their knowledge of music theory, notation and terms. Various styles of music will be examined in depth and applied to original compositions. Students will share performances and critiques within the class. They may elect to perform publicly as well.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Musical Keyboarding I

(1211)

1/2 credit

Prerequisite: None

Elective

Students will learn basic keyboarding skills: Reading bass and treble clefs, time signatures, rhythms, five-finger position I, IV and V chords, accidentals, major and minor scales, and major and minor chords. Emphasis will be on keyboard proficiency and reading skills.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

World Languages

(0701) French I

(0711) Spanish I

(0702) French II
(0703) French III
(0704) French IV

(0712) Spanish II
(0713) Spanish III
(0714) Spanish IV

Students in both the College Prep and the Tech Prep path can benefit greatly from mastery of a foreign language.

Among the goals included in a world language program are: the improvement of the student's skills in listening comprehension; speaking, reading and writing; the development of cultural insights, language awareness, literary and aesthetic appreciation, and an interest in the study and use of a world language.

French I (0701) **1 credit**
Grade 9 and Above **Elective**

PREREQUISITE: A grade of C+ or higher in English and a recommendation from English teacher

This first year course introduces the student to the four basic components of French: listening, speaking, reading and writing comprehension. Students first hear and read short dialogues and then answer questions about them. Exercises and drills are used to reinforce grammar and vocabulary. While the teacher progressively uses more and more spoken French in class throughout the year, students are expected to use basic French expressions from the beginning of the year and continue to expand their verbal fluency. French culture is taught systematically throughout the year.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

French II (0702) **1 credit**
Grade 10 and above **Elective**

PREREQUISITE: A grade of C or higher in French I, or permission of instructor

This course continues to develop the four language skills learned in French I - listening, speaking, reading and writing. Students will expand their vocabulary and learn more grammar. The students also increase their speaking skill through class discussions, and their writing skills with journal entries. Emphasis on various aspects of culture in the French-speaking countries is increased.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

French III (0703) **1 credit**
Grade 11 and above **Elective**

PREREQUISITE: A grade of C or higher in French II, or permission of instructor

This course is designed to review vocabulary and grammar while teaching students the finer aspects of the French language. Classes are taught primarily in French while students are expected to communicate more fluently in the target language. Students will read more literature from a variety of

French writings, including legends, fables, short stories, poetry. Through literature, the student will be exposed to French history and Francophone culture.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**French IV
Grade 12**

(0704)

**1 credit
Elective**

PREREQUISITE: A grade of C or higher in French III, or permission of instructor

The French IV curriculum will include an intense review of grammar. This knowledge will be applied to the reading of literature, and cultural studies. Students will be expected to discuss what they have read and compare the information to their own culture and experiences. Selections from French literature will also be explored. Students will be required to speak only in the target language and increase their personal vocabulary to include what they have done, their interests, what they hope to do, and their lives in general.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Spanish I
Grades 9 and above**

(0711)

**1 credit
Elective**

PREREQUISITE: A grade of C+ or higher in English and a recommendation from English teacher

The first year course introduces the students to the four basic components of Spanish: listening, speaking, reading, and writing. Students are exposed to the Spanish sound system and how the language works. They learn a foundation of vocabulary to talk about themselves, their activities, and their families and friends. Exercises and drills are used to reinforce grammar and vocabulary. Short writing assignments are given throughout the year to encourage self expressions. The teacher progressively uses more spoken Spanish in class, and encourages the students to use the basic classroom expressions learned from the beginning of the school year. Spanish culture is taught throughout the year.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Spanish II
Grade 10 and above**

(0712)

**1 credit
Elective**

PREREQUISITE: A grade of C or higher in Spanish I, or permission of instructor

This course continues to develop the four language skills learned in Spanish 1 – listening, speaking, reading and writing. Students increase their vocabulary and learn more grammar. The students also increase their speaking skills through class discussions, and their writing skills with weekly journal entries. Emphasis on various Spanish speaking countries is continued through the video program accompanying the text book.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Spanish III
Grade 11 and above**

(0713)

**1 credit
Elective**

PREREQUISITE: A grade of C or higher in Spanish II, or permission of instructor

This course is designed to review vocabulary and grammar while teaching the finer aspects of the Spanish language, and introducing more advanced verb tenses. Classes are taught primarily in Spanish while students are expected to communicate more fluently in the target language. Students will increase their reading skills with short reading selections from Hispanic cultures. Speaking skills will improve with class discussions, and their writing skills will continue to develop with weekly journal entries. Emphasis on various Spanish speaking countries is continued through the CD program accompanying the text book.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Spanish IV
Grade 12**

(0714)

**1 credit
Elective**

PREREQUISITIE: A grade of C or higher in Spanish III, or permission of instructor

The Spanish IV curriculum will include an intense review of grammar. This knowledge will be applied to the reading of literature, and cultural studies. Students will b expected to discuss what they have read and compare the information to their own culture and experiences. Reading selections will be taken from an anthology of Spanish writers from various epochs in history. Students will be required to speak only in the target language and increase their personal vocabulary to include what they have done, their interests, what they hope to do, and their lives in general.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will offer/provide assistance and concern for those in need.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Health and Wellness Education

All students must pass one credit of Health.

(0802) Health I
(0807) Health II

Health I (0802) **1/2 credit**
Grade 9 **Required**

Emphasis is placed on a realistic look at today's health risks, and the impact of choices we make on a daily basis. Students are encouraged to evaluate their choices and take responsibility for their own well-being. Through guided self-evaluation, this course strives to motivate and assist students to evaluate their present health situation and take measures to maintain and/or improve their health, prevent disease, and reduce risky health behaviors.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

Health II (0807) **1/2 credit**
Grade 10 **Required**

PREREQUISITE: Health I

This course involves a more in depth look at the world around us and how we see ourselves as an integral part of it. Our decisions do make a difference as students become informed to help reinforce positive decision-making without judgment from past actions. Candid discussions about important issues such as relationships and responsibilities, infectious diseases, misuse and abuse of drugs and maintaining wellness will be discussed.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

Family and Consumer Sciences

(0901) Creative Sewing I (0903) Human Relations
(0902) Creative Sewing II (0904) Marriage and Family Living
(0905) Child Development I (0907) Food and Nutrition
(0906) Child Development II

Creative Sewing I (0901) **1/2 credit**
Grade 9 and above **Elective**

In this lab course, students will learn basics of clothing, sizing, pattern layout and various stitching techniques. A minimum of two completed projects will be required of each student. Students will be

required to provide patterns and fabric. Students will be introduced to basic computer use in the realm of fashion design and creativity.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Creative Sewing II
Grade 9 and above**

(0902)

**1/2 credit
Elective**

PREREQUISITE: Creative Sewing I

This course is designed for the student who wishes to up-grade sewing skills. All materials will be furnished by the students. Each student will construct a minimum of two garments demonstrating advanced skills acquisition. Other projects may then be undertaken. Students will continue to utilize the computer for more advanced skills and projects.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Child Development I
Grade 10 and above**

(0905)

**1/2 credit
Elective**

Students will examine the child's physical, social, emotional, and intellectual development from birth through the first year. Students will understand the importance of prenatal care. During the semester students will be involved in various cooperative learning activities and projects. The computer will be used to access Family and Consumer Sciences Departments throughout the state for new and innovative techniques in the field of Child Care.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Child Development II
Grade 10 and above**

(0906)

**1/2 credit
Elective**

Students will examine the child's physical, social, emotional, and intellectual development from age one to six. The course will help students understand the importance and responsibilities of parenthood. During the semester students will be involved in various cooperative learning activities and projects. The computer will be used to access Family and Consumer Sciences Departments throughout the state for innovative techniques in the field of Child Care.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Human Relations

(0903)

1/2 credit

Grade 11 and 12**Elective**

The students will explore relationships with parents, siblings, and peers. Students will develop an understanding of basic human needs. The immense social change in family life will be explored. The student will examine the sources of stress and how it is dealt with in our society.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Marriage and Family Living
Grade 11 and 12
(0904)
1/2 credit
Elective

This course will give students the opportunity to acquire knowledge and understanding for success in marriage. Students will learn basic skills in household management. They will identify the developmental tasks of newlyweds and the changing roles for women and men in today's society. A mock wedding ceremony is optional.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Food and Nutrition
Grade 10 and above
(0907)
1/2 credit
Elective

This course is designed to introduce students to the world of culinary arts. Students will learn basic food preparation skills. Students will select and prepare many foods. A large part of this course is laboratory experience. Each student is required to complete a food demonstration during the course. Students will link to other Family and Consumer Sciences Departments through a state-wide computer network. New ideas in nutrition and the culinary arts will be readily available. Students may not take this course if they are enrolled in Culinary Arts I or II at Concord Regional Technology Center.

Social Expectations:

Students will demonstrate respectful consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Mathematics

Students must earn three mathematics credits in order to graduate. The sequence of courses chosen will depend on the individual student's mastery.

Department policies:

- Computation work (method) must be shown.
- Calculators will be integrated in an appropriate manner by the instructor.
- Graphing calculators will be required for most math classes.

(1109) Individual Math I	(1118) Statistics (College Prep)
(1110) Individual Math II	(1119) Calculus (College Prep)/ Advanced Placement Calculus (pending College Board approval)
(1111) Transition to Algebra	(1140) Algebra Competencies
(1112) Algebra I	
(1113) Geometry (Tech Prep)	
(1114) Geometry (College Prep)	
(1115) Algebra II (Tech Prep)	
(1116) Algebra II (College Prep)	
(1117) Advanced Math (College Prep)	

Individual Math I (1109) **1 credit Required**
Grade 9 and Above

PREREQUISITE: Recommendation of current math instructor and approval of Director of Student Services.

This course is designed for students who have consistently experienced great difficulty with mathematics. Students will practice and master basic computational skills and their applications, essential to algebra.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Individual Math II (1110) **1 credit Required**
Grade 10 and above

PREREQUISITE: Individual Math I and approval of instructor.

This course is designed for students who have partially mastered topics studied in Individual Math I. Instruction will focus on computational skills and applications, and algebraic concepts needed to enter Transition to Algebra or Algebra I. Approval of Director of Student Services required

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Transition to Algebra
Grade 9 and above**

(1111)

**1 credit
Required**

PREREQUISITE: Recommendation of current math instructor.

This course is designed for students who are beginning to learn algebraic concepts. Transition to Algebra is designed to prepare students for a course in Algebra I. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Algebra I
Grade 9 and Above**

(1112)

**1 credit
Required**

PREREQUISITE: Recommendation of current math teacher, or successful completion of Transition to Algebra. This course meets the NH state requirement for 1 credit in algebraic concepts (Algebra I).

This course follows completion of 8th grade mathematics or Transition to Algebra. Topics will include real numbers, operations/properties, problem solving, algebraic expressions, geometric forms, open sentences, integers, solving equations, operations with algebraic expressions, equations/inequalities with one variable, ratio/proportion/percent, radicals/factoring, points/lines/angles, angle measures in geometry and polygons. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Algebra Competencies

(1140)

**1 credit
Required**

PREREQUISITE: Permission of Department of Student Services

This course is designed to allow students to explore mathematical skills and concepts through everyday applications. Students will develop fundamental algebraic skills in applying formulas, solving equations and systems, reading and interpreting graphs, data analysis and measurement. These will be studied in such contexts as money management, home redecorating, travel and citizenship. Students will use technology to develop excel spreadsheets, compare data and analyze statistics. Emphasis will be placed on using mathematics to solve problems and make decisions. This course will meet algebra credit required by state to meet graduation math requirements.

**Geometry (Tech Prep)
Grade 10 and Above**

(1113)

**1 credit
Required**

PREREQUISITE: Completion of Algebra I

This course follows completion of Algebra I. Topics studied will include triangles, congruence, areas, similar polygons, circles, area/volume of solids, right triangles, coordinate geometry, logic, proofs,

functions/graphs, real numbers and equations, inequalities, radicals and quadrilaterals. Students should expect daily homework assignments. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Geometry (College Prep)
Grade 10 and Above**

(1114)

**1 credit
Required**

PREREQUISITE: C average or better in Algebra I.

This course follows completion of Algebra I. Topics studies will include triangles, congruence, areas, similar polygons, circles, area/volume of solids, right triangles, coordinate geometry, logic, proofs, functions/graphs, real numbers and equations, inequalities, radicals and quadrilaterals. In addition, College Prep Geometry is designed to prepare students for the rigors of college mathematics. In this course students should expect an appropriate homework load on a daily basis which will require standard out-of-class preparation time. Students will be expected to demonstrate a substantial breadth and depth of knowledge by the end of the course. Graphing calculators will be integrated.

Students wishing to take Geometry CP and Algebra II CP concurrently should consult their current instructor and obtain administrative approval. This option is intended only for students with a grade of B-plus or higher in Algebra I planning to continue with higher level math classes.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Algebra II (Tech Prep)
Grade 11 and Above**

(1115)

**1 credit
Required**

PREREQUISITE: Completion of Geometry (Tech Prep) or permission of instructor.

This course follows successful completion of Geometry (TP). Topics studied will include systems of equations/inequalities, irrational/complex numbers, polynomials, quadratic functions, conic sections, sequences/series, logic, proofs, quadratic equations, absolute value functions, probability and statistic determinants. Students will be expected to demonstrate a proficient understanding of the course content through hands-on and self-guided discovery activities in groups and independently. There will be an emphasis on work with real world problems. Homework and projects will be assigned as appropriate. There will be some projects. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Algebra II (College Prep)
Grade 11 and Above

(1116)

1 credit
Required

PREREQUISITE: C average or better in Geometry (College Prep).

This course follows completion of Geometry (CP). Topics studied will include: systems of equations/inequalities, irrational/complex numbers, polynomials, quadratic functions, conic sections, sequences/series, logic, proofs, quadratic equations, absolute value functions, probability and statistical determinants. There is an increased expectation of student's depth of knowledge of the course content. Higher order thinking skills are to be facilitated. Homework is given regularly. There will be some projects. Graphing calculators will be integrated.

Students wishing to take Geometry CP and Algebra II CP concurrently should consult their current instructor and obtain administrative approval. This option is intended only for students with a grade of B-plus or higher in Algebra I planning to continue with higher level math classes

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Advanced Math (College Prep)
Grade 12

(1117)

1 credit
Elective

PREREQUISITE: C average or better in Algebra II CP.

This course is designed for those students who plan to continue in the field of mathematics in college. It will provide students with a strong background in trigonometry and selected topics in analytical geometry. Topics studied will include matrices and vectors, inequalities and linear programming, statistics, functions/trigonometry, polar coordinates and conic sections and probability. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Statistics (College Prep)
Grade 11 & 12

(1118)

1 credit
Elective

PREREQUISITE: C average or better in Algebra II CP or higher, or permission of current math instructor.

Statistics is designed for the student who has completed at least Algebra II CP and desires another math course besides Advanced Math CP or Introduction to Calculus CP. We will study such topics as sampling, distributions and graphs and counting techniques, along with many other relevant topics. This course would be an excellent selection for the student who is thinking of going into humanities or business as a career. Graphing calculators will be integrated.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Calculus CP and Advanced Placement Calculus (*Pending College Board approval*)
Grade 11 & 12 (1119)

**1 credit
Elective**

PREREQUISITE: B- average or better in Advanced Math or approval of instructor. Advanced Placement offering dependent on enrollment and College Board approval.

This course explores all concepts necessary for the standard calculus sequence including the following topics: prerequisites for calculus, limits and continuity, derivatives, applications for derivatives, integration, applications of definite integrals, calculus of transcendental functions, techniques of integration, infinite series, planes, curves, parameterizations, and analytic geometry in space. Graphing calculators will be integrated.

In years when enrollment is too low to schedule this class, we will attempt to offer it through distance learning. Advanced Placement Calculus is designed to provide a rewarding, stimulating, and challenging program of studies for the student of high mathematical ability and interest. The logic and intuitive reasoning of calculus is emphasized with exploration from both a graphical and a numerical perspective based on calculator and computer technology. The selection of topics is based on a course outline provided by the College Entrance Examination Board, including limits, continuity, differentiation, integration, and applications. The student will have an opportunity to earn college credit if they pass the Advanced Placement Exam administered by the College Board.

Social Expectations:

Students will participate in respectful discourse with other members of the school community. Students will provide/offer assistance and concern for those in need.
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Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Physical Education

All students are required to pass one credit of Physical Education.

- (0801) Physical Education
- (0803) Student Leader
- (0804) Lifetime Fitness Activities
- (0805) Individual Physical Education Program

Physical Education
Grade 9 and 10

(0801)

**1/2 credit
Required**

The program for students in grades 9 and 10 will be designed with physical fitness and an enjoyment of lifetime leisure activities as its primary focus. Opportunities will be given to develop agility, balance, endurance, strength and flexibility on a daily basis. There will be a variety of lifetime leisure activities provide basic skills and learning experiences in team, individual and dual activities. All units will address behaviors, attitudes and responsible human relationships. The course will provide an environment which supports fair play and safety. Activities will be adapted for individuals with social, emotional or physical challenges so they may have the opportunity to participate on a daily basis.

Students will acquire an understanding of how the body changes through physical activity. Learning about oneself is a lifetime objective. The feelings of success, ability and self-esteem may be the most valuable gifts we can give our students, for they can be tools that shape their future.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights. Students will demonstrate a willingness to resolve conflicts (show self-control and good judgment). Students will demonstrate/practice good judgment with regard to risk behaviors.
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Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Student Leader (0803)
Grade 11 and above

PREREQUISITE: Approval of instructor

Students will assist in organizational activities. Equipment maintenance and locker room supervision will be mandatory. Students will learn to display characteristics of positive role models through demonstrated leadership skills. This course may be repeated. Students may earn up to 15 hours of community service.

Lifetime Fitness Activities (0804) **1/2 credit**
Elective

Students will participate in activities designed for improving lifetime fitness skills, such as golf, tennis, walking, jogging, cross training, bowling, and other aerobic activities. Students will be required to organize, instruct and evaluate fitness activities.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights. Students will demonstrate a willingness to resolve conflicts (show self-control and good judgment). Students will demonstrate/practice good judgment with regard to risk behaviors.
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Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Individual Physical Education Program (0805) **1/2 credit**
Grades 10 and 11 **Elective**

PREREQUISITE: Successful completion of physical education and approval of the high school physical education teacher.

Fulfill the objectives listed below as they represent the physical education graduation requirements.

1. Successfully complete one semester of standard physical education class.
2. Be actively involved in Pittsfield athletic programs for a total of at least 75 clock hours.

STUDENTS ENROLLED IN THIS PROGRAM WILL AGREE TO DO THE FOLLOWING:

1. Keep a daily notebook of practice events, what they learned and how it will help them to be a better athlete, and game summaries of their performance.
2. Meet with the high school physical education teacher on a weekly basis before or after school or during a study hall that coincides with physical education teacher's availability.

3. Meet school academic requirements. If the student becomes ineligible due to academic standing, that student still needs to accrue 75 hours by the end of the first semester of their senior year or take the required physical education course (0801).

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
 Students will demonstrate a willingness to resolve conflicts (show self-control and good judgment).
 Students will demonstrate/practice good judgment with regard to risk behaviors.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Science

Students must take and pass a minimum of three credits in science; biology, physical science and an additional one credit or more in electives. Elective credit in Earth Science is strongly recommended.

(1303) Biology

(1304) Physical Science (Tech Prep)

(1314) Physical Science (College Prep)

Electives

(1305) Chemistry (College Prep)

(1306) Advanced Health: Human Anatomy and Physiology (College Prep)

(1307) Physics (College Prep)

(1311) Technical Chemistry (Tech Prep)

(1312) Advanced Biology: Microbiology (College Prep)

(1328) Applied Biology: Introduction to Forensic Science with Lab (College Prep)

(1315) Applied Physics I: Robotics (Tech Prep)

(1317) Intro to Earth Science

(1325) Earth Science IIA: Land and Sea (Tech Prep)

(1326) Earth Science IIB: Air and Sky (Tech Prep)

**Biology
Grade 9 and above**

(1303)

**1 credit
Required**

This course fulfills the NH State requirement of one life science credit for graduation.

This course is designed to introduce students to the fundamental concepts in Biology. Emphasis is placed on science as a process, life processes, cell biology, genetics, evolution, classification, and the inter-relationship between man and his environment. Students are required to maintain a comprehensive course notebook which will be collected and graded. Daily required assignments consist of reading, preparing a lab activity, short essays, working on projects, writing up a lab report or studying for a quiz or test. Laboratory activities will include dissection when appropriate. Additionally, students will work on a minimum of four (4) group projects during the year, some of which will be group projects. Each group will be required to make a formal oral presentation of their research and/or experimentation.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
 Students will demonstrate a willingness to resolve conflicts peacefully [show self- control, good judgment].

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

Physical Science (Tech Prep)
Grade 10 and above

(1304)

1 credit
Required

This course meets the graduation requirement for physical science and prepares students for further Tech Prep science courses. Topics include electricity, magnetism, waves (sound, light, and EM), Newtonian mechanics, properties and classifications of matter, and basic atomic structure. Students are required to keep a notebook. Students learn to design, conduct, and analyze experiments, to research and present scientific information, and to analyze parts of a system (DC electric motors and "contraption" vehicles).

Social Expectations

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will behave in a manner that reflects positively on their family, school, and community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

Physical Science (College Prep)
Grade 10 and above

(1314)

1 credit
Required

PREREQUISITE: Must have passed Algebra I

This course meets the graduation requirement for physical science and prepares students for Chemistry and Physics. Topics include electricity, magnetism, waves (sound, light, and EM), Newtonian mechanics, properties and classifications of matter, and basic atomic structure. Students are required to keep a notebook. Experiment design and mathematical analysis are emphasized throughout the course. In addition to numerous experiments, mathematical problem sets, and reading assignments, students complete two engineering projects (electric motors and contraption vehicles) and two research presentations (wave devices and chemical elements).

Social Expectations

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will behave in a manner that reflects positively on their family, school, and community.
Students will provide/offer assistance and concern for those in need.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

Intro to Earth Science
Grades 9 and above

(1317)

1/2 credit
Strongly
recommended

PREREQUISITE: Successful completion of one semester of high school science

This course will cover major concepts in geology, oceanography, astronomy and meteorology, including plate tectonics, mapping, weather forecasting and earth structure. The students will be participating in labs, projects, activities and demonstrations while keeping a notebook of all written work.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's responsibility to vote.

Chemistry (College Prep)
Grades 11 and 12

(1305)

1 1/2 credits
Elective

PREREQUISITE: Physical Science; a "B" or better in Geometry CP and permission of instructor

This lab-based course is designed to teach fundamental concepts in chemistry and laboratory science. Topics include atomic structure, ionic and covalent bonding, phases of matter, organic compounds, types of chemical reactions, stoichiometry, gas laws, oxidation-reduction reactions, and acids/bases. Considerable attention is given to developing student understanding of the scientific method, technical writing skills, and mathematical problem solving. Students design many of the labs.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's responsibility to vote.

**Advanced Health: Human Anatomy and Physiology (College Prep) (1306) 1 1/2 credits
Grades 11& 12 Elective**

PREREQUISITE: Signature of science teacher; B- or better average in Biology; must have Chemistry and Human Anatomy teachers' approval.

This college preparatory course is open to those interested in medicine and allied health fields such as nursing, medical technology, radiology, dental hygiene, research and laboratory work. It is a systematic survey of the structures and functions of the major systems of the human body. Lectures and readings are followed by pertinent lab work. Dissection of the cat, sheep kidney, sheep heart and sheep brain are required of each student. In addition, other laboratory experiences are provided. Students are evaluated through a literature review, lab work, written lab reports, as well as oral and written quizzes and exams.

Social Expectations

Students will demonstrate respect and consideration for other people, their opinions, property, and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Physics (College Prep) (1307) 1 1/2 credits
Grade 11 and above Elective**

PREREQUISITE: Advanced Math CP (may be taken concurrently); Chemistry

This inquiry-based course also includes considerable emphasis on mathematical problem solving. Topics include electrostatics, circuits, magnetism, electromagnetism, waves, sound, light, basic quantum theory, and Newtonian mechanics. Additional topics are included as time allows. Lab experiments, projects, and/or engineering challenges are assigned almost daily. Formal reports using a word processor and spreadsheet are required. The opportunity exists within this course for students to prepare for the AP Physics "B" exam.

Social Expectations

Students will participate in respectful discourse with other members of the school community.
Students will demonstrate/practice good judgment with regard to risk behaviors.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Technical Chemistry (Tech Prep) (1311) 1/2 credit
Grades 11 & 12 Elective**

PREREQUISITES: C or better in Physical Science OR permission of instructor

This lab-based course is designed to teach fundamental concepts in chemistry as a laboratory science with a strong focus on hands-on experiences that emphasize real-life applications of chemistry. Topics may include atomic theory, chemical formulas, chemical reactions, solutions, and acids & bases, along with a look at applications such as forensics, household chemistry and chemistry in the body. Basic math, graphing and writing skills are needed for problem solving and lab reports.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's responsibility to vote.

Advanced Biology: Microbiology (College Prep) (1312)

**3/4 credit
Elective**

PREREQUISITE: B or better in biology and permission of instructor

This course will cover topics related to microscopic organisms. Major emphasis will be on the laboratory techniques necessary to observe organisms such as bacteria, worms, and protists including alga and protozoa. In addition, students will learn the proper sterile techniques for the preparation and growth of bacterial cultures, slide and staining preparation and the microscopic techniques involved in the identification of bacteria. The role of microorganisms in the environment, both beneficial and harmful, will be studied. Students will also examine the relationship between the microorganisms and disease including the immune response in humans. Current use of bacteria and biotechnology will be included during the course. Students will be expected to maintain a comprehensive lab notebook during the semester which will be collected and graded. Grading will be on laboratory work, projects, written work, and reading assignments.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully [show self-control, good judgment].

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Applied Biology: (1328)
Introduction to Forensic Science with Lab (College Prep)
Grades 11 and 12**

**3/4 credit
Elective**

This is an introductory course that will examine basic techniques and scientific principles that forensic science uses to solve matters of law. Forensic principles will be introduced and students will participate in scientific inquiry to examine topics such as: crime scene investigation, trace evidence, blood and DNA evidence, tool markings, etc. The course will culminate in a mock crime scene that will allow students to apply the principles learned and draw a conclusion based on evidence. This course will require laboratory and inquiry activities, reports, research/case scenarios and projects. Due to the nature of crime scene investigations, all students under 18 will be required to have parental consent to take this course.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully [show self-control, good judgment].

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Applied Physics I: Robotics (Tech Prep) (1315)
Grades 11 and 12 (Not offered in 2009-2010)**

**1/2 credit
Elective**

PREREQUISITE: successful completion of Physical Science. This course fulfills the NH State graduation requirement of 1/2 credit in Information and Communication Technologies.

In this project-based course, students use LEGO Robolab equipment to learn fundamentals of robotics and engineering. Students maintain a highly structured engineering journal during each project. Topics include basic sense & response programming, compound gear trains, use of decision structures in programming, rotary-to-linear motion assemblies, tension, and compression.

Social Expectations

Students will demonstrate/practice good judgment with regard to risk behaviors.
Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Earth Science IIA: Land and Sea
Grades 10 and above**

(1325)

**1/2 credit
Elective**

PREREQUISITE: Successful completion of Introduction to Earth Science

The student will continue to study principles in geology and oceanography through the use of labs, projects and activities. This will include looking at topics like rocks and minerals, and ocean structure in more detail.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's responsibility to vote.

**Earth Science IIB: Air and Sky
Grades 10 and above**

(1326)

**1/2 credit
Elective**

PREREQUISITE: Successful completion of Introduction to Earth Science

The student will continue to study principles in meteorology and astronomy through the use of labs, projects, and activities. This will include looking at topics like climate and space travel in more detail.

Social Expectations:

Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's responsibility to vote.

Social Studies Education

Students must take and pass a minimum of 3 credits of social studies. All students must take Geo-Political Studies, American Government, Economics, and U.S. History.

- (1502) Geo-Political Studies
- (1504) American Government (Tech Prep)
- (1505) American Government (College Prep)
- (1506) Economics (Tech Prep)
- (1507) Economics (College Prep)
- (1508) Global Issues (Tech Prep)
- (1509) United States History (Tech Prep)
- (1510) United States History (College Prep)
- (1511) Global issues (College Prep)
- (1514) Psychology (College Prep)
- (0310) Personal/Business Law (Elective)
- (1512) World History

**Geo-Political Studies
Grade 9**

(1502)

**1 credit
Required**

Geo-Political Studies is a full year course designed to provide students with an understanding of the world they live in and its connections between people and the land. Students will learn the basic terminology and skills necessary to read and analyze maps as they explore the features of the world's land regions. The program will also provide students with an overview of cultural elements. Each unit will touch on economic and governmental systems, as well as current issues facing each land and region. The overall objective of the course is to expand the student's knowledge of the environment around them and to gain a better understanding of world culture.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**American Government (Tech Prep)
Grade 10**

(1504)

**1/2 credit
Required**

American Government is a one semester program of studies designed to enlighten students about our nation's political system and help them become responsible citizens. Students will examine the fundamental principles of the U.S. & New Hampshire Constitutions, study the legislative process, and evaluate significant characteristics of American citizenship. They will also analyze the electoral process and stay current with contemporary political issues. Assignments will sometimes be interdisciplinary in nature.

Social Expectations:

Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will demonstrate their knowledge about a citizen's right to appeal decisions.
Students will demonstrate knowledge about a citizen's responsibility to vote.

**American Government (College Prep)
Grade 10**

(1505)

**1/2 credit
Required**

American government is a one semester program of studies designed to enlighten students about our nation's political system and help them become responsible citizens. Students will examine the fundamental principles of the U.S. & New Hampshire Constitutions, study the legislative process, and evaluate significant characteristics of American citizenship. They will also analyze the electoral process and keep abreast of contemporary political issues. College preparatory American Government is a course of study designed to help students practice/develop the academic, analytical and interpersonal relationship skills required of students working toward admittance to competitive colleges or universities. Students will be expected to read, research, analyze, and write extensively while solving problems and working independently.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**Economics (Tech Prep)
Grade 10**

(1506)

**1/2 credit
Required**

Economics is a one-semester program of studies designed to provide economic literacy. Students will actively study our nation's free enterprise system, analyze fundamental economic concepts, and participate in various activities relating to entrepreneurship, consumerism and career options. Students will also evaluate major economic trends in our global community and apply this information to their own lives. Assignments will sometimes be interdisciplinary in nature.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**Economics (College Prep)
Grade 10**

(1507)

**1/2 credit
Required**

College Preparatory Economics is a program of studies designed to inform students about our nation's economic system, promote economic/cultural literacy and develop the academic, communication, research and study skills that will help them access the college of their choice upon graduation. Students will study the allocation and utilization of limited resources, how goods and services are produced and distributed, consumerism, career options and entrepreneurial enterprise. They will participate in various projects and activities designed to help them become more effective decision-makers, consumers, producers, savers, investors, and economically literate citizens.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.
Students will demonstrate their knowledge about a citizen's right to appeal decisions.

**Global Issues (Tech Prep)
Grade 12**

(1508)

**1 credit
Elective**

Tech Prep Global Issues is a full year program designed to familiarize students with our global community and help them analyze / interpret significant world-wide political, economic, social, and ecological developments. Students will explore and study cultural diversity, major global religious traditions, keep abreast of major contemporary global developments, and become actively involved with various activities promoting global citizenship.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.
Students will demonstrate their knowledge about a citizen's right to appeal decisions.

**United States History (Tech Prep)
Grade 11**

(1509)

**1 credit
Required**

This required course is a study of American history from colonial settlement to the present. After a review of settlement and the American Revolution, the course will study events leading to the Civil

War and the War itself. Most of the course time will deal with major events, people and social issues from 1865 to the present.

Social Expectations:

Students will demonstrate consideration for other people, their opinions, property and rights.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.
Students will demonstrate their knowledge about a citizen's right to legal representation.

**United States History (College Prep)
Grade 11**

(1510)

**1 credit
Required**

College preparatory United States History is a program designed to help students develop academic and social skills needed for college while becoming more knowledgeable about our nation's past from 1865 to the present. It will provide students with numerous opportunities to demonstrate an understanding and appreciation of our nation's history and heritage while clarifying and elaborating upon their understanding of significant historical concepts and information. Students will be expected to complete challenging reading, research, writing and project assignments on time and take a series of traditional examinations based on text readings.

Social Expectations:

Students will demonstrate consideration for other people, their opinions, property and rights.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.
Students will demonstrate their knowledge about a citizen's right to legal representation.

**Global Issues (College Prep)
Grade 12**

(1511)

**1 credit
Elective**

College preparatory Global Issues is a program for students who are fine-tuning their academic and social skills for admission to the college of their choice. Students will be expected to complete challenging reading, writing, research, problem-solving and project assignments each quarter. They will be actively involved in weekly seminar discussions about current issues facing our global community. Students electing this program will be expected to meet all deadlines and demonstrate proficiency in self-directed study.

Social Expectations:

Students will demonstrate respect/consideration for other people, their opinions, property and rights.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority
Students will demonstrate their knowledge of about a citizen's right to appeal decisions.

**Psychology (College Prep)
Grade 11 and Above**

(1514)

**1 credit
Elective**

PREREQUISITE: B or higher in previous social studies course and recommendation of Psychology instructor.

Topics covered will include history of psychology, psychology as a profession, research and experimental design, personality development, learning theory, sensation and perception, clinical psychology and social psychology. Homework will include a great deal of reading and completion of study guides created by the textbook publisher.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

**Personal/Business Law
Grade 10 and above**

(0310)

**1/2 credit
Elective**

This course offers students a basic understanding of the legal rights and responsibilities of those who live in our private enterprise economy. Studies of legal cases will be used to reinforce this understanding.

**World History
Grades 11 & 12**

(1512)

**1 credit
Elective**

PREREQUISITE: C or higher in previous social studies class/teacher recommendation

World History is an elective course designed to help students understand and appreciate the history of our world. Students will be studying not only world events from the past, but also how those events have shaped the world as we know it today. The course will provide students with numerous opportunities to demonstrate an understanding and appreciation of the past, while clarifying and elaborating upon their understanding of significant historical concepts and information.

Social Expectations:

Students will demonstrate respect, consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority

Technology Education

Technology Education is that branch of general education that deals with the management of money, manpower and materials for the production of goods and services. The following classes offer students the opportunity to engage in experimentation and problem solving while learning about manufacturing, technical communication and materials and processes. A strong emphasis is placed on computer applications and other current technology.

Electives

- (1001) Materials and Processes
- (1002) Manufacturing Enterprise
- (1010) Furniture Refinishing
- (1011) Architectural Design I
- (1012) Architectural Design II
- (1013) Cabinet Making
- (1018) Applied Architectural Design
- (1020) Basic Home Repair & Maintenance

**Materials and Processes
Grades 9 and above**

(1001)

**1/2 credit
Elective**

Students will learn to safely operate power woodworking equipment. The nature and properties of wood will be explored. This information will be related directly to the design and manufacture of student projects. Students will complete scaled drawings and an itemized billing list for each project.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will provide/offer assistance and concern for those in need.
Students will demonstrate good judgment in regard to risk behaviors.

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**Manufacturing Enterprise
Grade 9 and above**

(1002)

**1/2 credit
Elective**

PREREQUISITE: Any 1/2 credit course in Technology Education. (Materials and Processes, Furniture Refinishing, Cabinet Making or Power and Energy)

This course gives students the opportunity to mass produce a marketable consumer product in all the Technology Education laboratories. The class will establish its own business and be involved in the process of manufacturing a product from start to finish (design, production and distribution). Each student will choose a management position, and will help with the actual production process. Students will also be able to apply the basic skills acquired in previous school and work experience.

There will be many opportunities for students to use hand tools and power equipment in the wood and metal shop. Students will also be exposed to "CAD" (computer aided design) for designing and drawing the product. Computers will be used for marketing, advertising and business management aspects of the manufacturing enterprise.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will provide/offer assistance and concern for those in need.
Students will demonstrate good judgment in regard to risk behaviors.

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

**Furniture Refinishing
Grades 9 and Above**

(1010)

**1/2 credit
Elective**

This course will encompass the finer finish detail work which is not covered in cabinet making courses I & II. Students will be allowed to bring in furniture from home, which they may strip, refinish, or repair. Supplies will be used from in-stock inventory or supplied by the customer if not standard stock. These repairs will be small in nature such as broken spindles on chairs, shallow scratches in finish, loose chair rungs, or other such small repairs. Students will learn to strip off old varnishes, stains, and paint from furniture for the purpose of restoring them. Students will learn the art of mixing and applying stains and shellacs.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will provide/offer assistance and concern for those in need.
Students will demonstrate good judgment in regard to risk behaviors.

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

Architectural Design I
Grades 9-12

(1011)

1/2 credit
Elective

In this class students will have the opportunity to design their own dream house by learning basic technical drawing skills and the operation of computer assisted drafting software. Plot plans, floor plans and elevations will be drawn and cost estimates made. Students will also study various forms of architecture and become familiar with applicable building codes.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will provide/offer assistance and concern for those in need.
Students will demonstrate good judgment in regard to risk behaviors.

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

Architectural Design II
Grades 9-12

(1012)

1/2 credit
Elective

PREREQUISITES: Architectural Design I

This class is a continuation of Architectural Design I. Such topics as plumbing plans, electrical plans, heating and cooling systems, mortgages, stair and roof construction will be covered. Blocking and landscape design will be accomplished by using computer programs.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
Students will participate in respectful discourse with other members of the school community.
Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
Students will provide/offer assistance and concern for those in need.
Students will demonstrate good judgment in regard to risk behaviors.

Civic Expectations:

Students will participate in a community service project.
Students will balance support for authority with a willingness to responsibly dissent from authority.

Cabinet Making
Grades 9 and Above

(1013)

1/2 credit
Elective

PREREQUISITE: Materials and Processes

This is a second level course intended to continue Materials and Processes. The course includes a more in-depth study of the processes that produce high quality furniture and the study of jigs and fixtures common to the cabinet making industry. Special attention will be paid to the design and planning of individual projects. Field trips may be scheduled.

Social Expectations:

<p>Students will demonstrate respect and consideration for other people, their opinions, property and rights. Students will participate in respectful discourse with other members of the school community. Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment). Students will provide/offer assistance and concern for those in need. Students will demonstrate good judgment in regard to risk behaviors.</p>
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Civic Expectations:

<p>Students will participate in a community service project. Students will balance support for authority with a willingness to responsibly dissent from authority.</p>

**Applied Architectural Design
Grades 10 and above**

(1018)

**1/2 credit
Elective**

PREREQUISITE: Architectural Design I

Students will learn to read blueprints, and complete material lists for an entire home, including all necessary electrical and plumbing work. In addition, they will learn to determine the cost of a house per square foot. The second phase of the course will entail plot layout and landscaping techniques. Working in teams, students will use a transit, survey land, and record data. Students will plot a house location, septic system, and garden areas. Subsequently, they will plant flowers and seedlings and be responsible for the maintenance of the landscaping materials.

Social Expectations:

<p>Students will demonstrate respect and consideration for other people, their opinions, property and rights. Students will participate in respectful discourse with other members of the school community. Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment). Students will provide/offer assistance and concern for those in need. Students will demonstrate good judgment in regard to risk behaviors.</p>
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Civic Expectations:

<p>Students will participate in a community service project. Students will balance support for authority with a willingness to responsibly dissent from authority.</p>

**Basic Home Repair & Maintenance
Grade 9 and above**

(1020)

**1/2 credit
Elective**

Prerequisite: Any 1/2 credit course in Technology Education, (Materials & Processing, Furniture Refinishing, Cabinet Making, or Manufacturing)

This course will give students the opportunity to do hands on repairs on minor projects. The class will teach students many basic techniques in repairing holes in plaster walls, small plumbing repairs, small appliance repairs and they shall be shown how to trouble shoot small home electricity problems. Students will have the opportunity to bring in small broken items from home to repair, i.e. lamps with defective cords or switches, leaking faucets or damaged garden hoses or other applicable items approved by the instructor.

Social Expectations:

<p>Students will demonstrate respect and consideration for other people, their opinions, property and rights.</p>

Civic Expectations:

<p>Students will balance support for authority with a willingness to responsibly dissent from authority.</p>
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Driver Education

(0600)

**1/4 credit
Elective**

PREREQUISITE: Must be 16 years old by the end of the course.

This course follows the curriculum provided by the New Hampshire Department of Education. It is taught by an outside consultant who meets with students on school property. Classes are scheduled after regular school hours two or three days weekly for a period of eight to ten weeks. Each class is two hours in length. The NH Department of Education requires that each student attend 30 hours of class sessions. Additionally, students are required to spend a minimum of ten hours with the instructor in the school's driver education vehicle practicing driving skills, and an additional six hours with the instructor in the car observing instruction. Students are also responsible for payment of a course fee. This fee is currently set at \$300.00, but is subject to change with each new session. NOTE: Students sign up for this course as it becomes available during the school year.

Social Expectations:

Students will demonstrate respect and consideration for other people, their opinions, property and rights.
 Students will participate in respectful discourse with other members of the school community.
 Students will demonstrate a willingness to resolve conflicts peacefully (show self-control, good judgment).
 Students will demonstrate good judgment in regard to risk behaviors.
 Students will behave in a manner that reflects positively on their family, school and community.

Civic Expectations:

Students will balance support for authority with a willingness to responsibly dissent from authority.

AREA XI REGIONAL CENTER AT CONCORD HIGH SCHOOL

CAREER & TECHNICAL EDUCATION COURSES OFFERED AT THE AREA XI TECHNOLOGY CENTER

The Pittsfield School District is allocated seats in the various courses at the Area XI Technology Center at Concord High School. It is advisable for a student wishing to attend the Area Technology Center to select a primary choice and secondary choice as it is possible that a student's first choice may not be available. All programs are available to all students. Most are offered for two years.

Students attending the Area Technology Center will be provided transportation to and from the center at no cost. Tuition is paid by the School District and the State Department of Education. Students will be enrolled at the area center for their technical courses only. All other courses will be taken at Pittsfield High School. The course descriptions are presented for information only. Concord High School may make changes in technical program course descriptions after this program of studies is published.

Year 1*

Year 2*

(1601) Auto Technology I	(1602) Auto Technology II
(1603) Construction Technology I	(1604) Construction Technology II
(1605) Exploring Teaching I	(1606) Exploring Teaching II
(1607) Criminal Justice I	(1608) Criminal Justice II
(1610) Culinary Arts I	(1611) Culinary Arts II
(1612) Graphic Arts Technology I	(1613) Graphic Arts Technology II
(1614) Health Science & Technology I	(1615) Health Science & Technology II
(1620) Information Technology	(1621) Information Technology II
(1622) Cosmetology I**	(1622) Cosmetology II (2010-2011)

In the event of oversubscription, the school reserves the right to limit class enrollment. For additional information about these programs, visit <http://thecrtc.net>.

* Year One is generally directed towards juniors, but is open to seniors and sophomores depending on enrollment.

** Three sections of Cosmetology I are proposed for 2009/10 with one dedicated solely to seniors.

Selected Concord High School/Concord Regional Technology Center courses have been designated as Project Running Start courses in conjunction with the Community Technical College System that allow students to earn college credit. Running Start designation is approved on an annual basis so all listings in this program of studies should be considered 'expected', but not confirmed. College credit can be used to continue study at New Hampshire Community Technical Colleges or may be transferred to other colleges. Students who wish to enroll are required to pay a \$100 tuition fee (financial aid is available). Although college credit will be awarded if a student passes this course, a grade of 73 or better must be earned to transfer credit or to enroll in subsequent courses in that department.

All Concord Regional Technology Center programs require students to adopt a workplace-like attitude in a school setting. Higher expectations for CRTC students include: having regular and punctual attendance, adhering to all safety codes, being ready and prepared, dressing properly, offering the finest customer relations, embracing critical reviews, and always respecting others in their program and workplace. Many of our programs involve the practical experience of running a business within the high school or interning with a local business; students are expected to embrace acting and appearing in the most professional manner.

AUTOMOTIVE TECHNOLOGY I (1601) 2 Credits/Year
Grade 11 Full-Year Elective
PROGRAM LENGTH: 1 Year SCHEDULED TIME: 90-min. classes, 5 Days/Week
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course covers the fundamentals of the automobile and the internal combustion engine. A laboratory program provides students a "hands-on" experience using their own engines. Students are responsible for obtaining a used "salvage" engine (cost is approximately \$200, financial aid and/or payment plans are available) before entering the program. Most students rebuild the engine using the original parts; some rebuild the engine using new part at their own expense. Students learn proper lab and shop safety. Other areas of learning include: cooling, starting, charging, fuel, oil and ignition. Selected repair work will be done as it relates to lab experiences. Also covered will be basic fuel injected systems, electrical systems, and on-board computers. After completing the Auto Technology I Program, the student will know all the parts of an internal combustion engine, the procedure for service and replacement of engine parts, timing procedures, basic electrical functions, how to read micrometers to take vital measurements, and basic engine testing methods.

AUTOMOTIVE TECHNOLOGY II (1602) 2 Credits/Year
Grade 11 Full-Year Elective
PROGRAM LENGTH: 1 Year SCHEDULED TIME: 90-min. classes, 5 Days/Week
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course emphasizes engine diagnosis, emission controls, front end alignment, brake service, electronic diagnostic equipment, and all phases of automotive repair and maintenance. Standard transmissions and transaxles will be covered, along with differential gears relating to automotive drivelines. The basic skills of welding related to an automobile are also covered. Students participate in a shop environment where they will perform automotive repairs on vehicles scheduled in the facility. Students may participate in a cooperative education experience to gain further knowledge of the automotive field. A student enrolled in the cooperative program will receive an additional credit. After completing the Auto Technology II program, the student will have acquired all the basic skills required to start working in a position as an automotive technician, at entry level. The student will also

be well prepared to enter a post-secondary school, enrolled in a field such as Automotive Technology. All Automotive II students are required to participate in an internship involving shadowing a technician at a local dealership.

EXPLORING TEACHING I (1605) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**

This course is designed for students interested in pursuing a teaching career. Exploring Teaching I introduces students to basic teaching skills such as classroom management, lesson planning, and guidance and discipline techniques. Students divide their time equally between classroom instruction and student teaching in the laboratory school, *Crimson Tide Preschool*. Classroom instruction includes lectures, notes, handouts, projects, hands-on activities, and unit tests. Exploring Teaching I units include Building Self-Esteem, Guidance and Discipline, Developing a Cognitive Curriculum, Careers in Education, Children's Literature, NH State Child Care Regulations, and Developing an Art Curriculum. Foundations of Education I student teaching experiences focus on story-time and cognitive math lessons. The State of New Hampshire requires an annual Mantoux T.B. test and physical exam for all students entering the program. Students will be required to undergo a criminal background check at the N.H. Department of Safety in order to participate in the internship component of the program. A nominal fee may be charged.

EXPLORING TEACHING II (1606) **2 Credits/Year**
Grade 12 Full Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**

Students entering Exploring Teaching II are expected to have mastered the basic teaching skills learned in Exploring Teaching I. Students divide their time between classroom instruction, student teaching in the laboratory preschool, and participation in internships. Students choose to intern for approximately 9-12 weeks in child care centers, elementary, middle, or high schools. Classroom instruction includes lectures, notes, handouts, projects, hands-on activities, and unit tests. Exploring Teaching II units include Developing an Academic Curriculum, Special Education, and The Importance of Planning. Exploring Teaching II student teaching experiences focus on circle time, art lessons, science lessons, and social studies lessons. At the conclusion of Exploring Teaching II students will create a professional portfolio to demonstrate the competencies achieved. Upon completion of the portfolio, every student will also demonstrate the ability to be: an active, self-directed learner, an effective communicator, an effective collaborator, an informed decision-maker, a creative producer, a life planner, and a community participant.

The State of New Hampshire requires an annual Mantoux T.B. for all students entering the program. Students will be required to undergo a criminal background check at the N.H. Department of Safety in order to participate in the internship component of the program. A nominal fee may be charged.

CONSTRUCTION TECHNOLOGY I (1603) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**

This course is designed to teach basic carpentry skills employed in residential home construction. In this program, students develop and sharpen safe construction skills while building a home or other structure, stick built or modular. Learning experiences include house framing, roofing, siding, drywalling, and trimming. An introduction to blueprint reading, plumbing, heating, insulating,

residential wiring and masonry is also included. Students entering this program must be 16 years of age by the start of classes. Students will develop competencies including: measuring to within 1/16"; safely using hand and power tools; installing floor joists, studs, rafters, (installation of wall & roof sheathing); laying roof shingles; applying siding; hanging drywall; and applying exterior trim. Learning experiences include further development in all aspects of home construction. Students completing this program will demonstrate competencies in working safely, job seeking and job retention skills, leadership ability, framing deck systems, laying out rafter/truss systems, erecting walls and partitions, finishing wallboard, installing windows and doors, installing cabinets, and applying various finish materials.

CONSTRUCTION TECHNOLOGY II (1604) **2 Credits/Year**
Grade 12 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**

This course is designed to build on the basic carpentry skills acquired in Construction Technology I. In addition students will sharpen their skills in aspects of carpentry work including: siding application, exteriors and interior trim, stair construction and kitchen cabinet and countertop application. Students will become more involved with estimating materials, pricing for specific projects and employee/employer relationships. Students will participate in on-site construction jobs in the Greater Concord Area. Students completing this program will demonstrate competencies in working safely, job seeking and job retention skills, leadership ability, framing deck systems, laying out rafter/truss systems, erecting walls and partitions, finishing wallboard, installing windows and doors, installing cabinets, and applying various finish materials.

CULINARY ARTS I (1610) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course is designed to educate students with job skills to meet the ever-increasing demands of the food service industry. The course provides realistic hands-on experience in the principals of working in and operating a kitchen/dining room, through the operation of our own Crimson Café restaurant. Areas of instruction covered in the first year of the program are: safety and sanitation, use and care of the equipment, recipe terminology, measurements and equivalents, and customer service techniques. The course also covers quantity preparation techniques for pantry station, short-order station, stock, soup, and sauce station, vegetable station and bakery station. Food service computer experience is incorporated throughout the year. There is a lab fee of approximately \$150 to cover the cost of uniforms, appropriate shoes, equipment and industry certification exams (financial aid and/or payment plans are available).

CULINARY ARTS II (1611) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

In the second year of the program, students will gain advanced training in food service skills with an emphasis on management skills. The class provides the knowledge and experience needed to meet the requirements for entry into post-secondary education courses or jobs within the food service industry. The course reemphasizes safety procedures and introduces menu design and nutrition, food service math skills, record keeping, purchasing and receiving, and quantity and cost controls, poultry, meats,

fish and international cuisines. The second year students undertake the management responsibilities of kitchen supervisor, dining room supervisor, storeroom supervisor, menu planner and buyer. Extensive use of computers and research are incorporated in to the class. Also an internship rotation is required for all students in Culinary Arts II.

Students in Culinary Arts II receive instruction in the Servsafe Food Safety Sanitation course, sponsored by National Restaurant Association. Students have the option to take a certified Servsafe test and receive a nationally recognized certification from National Restaurant Association Education Foundation. Culinary II students also have an opportunity to register for Project Running Start and have a chance to earn college credits from New Hampshire Community Technical College.

The State of New Hampshire requires an annual Mantoux T.B. for all students entering the program. Students are also expected to wear appropriate restaurant attire.

CRIMINAL JUSTICE I (1607) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

The Introduction to Criminal Justice course is designed to provide the student with an overall understanding of the Criminal Justice system. Specific concerns and issues facing Criminal Justice professionals today will also be addressed. Academic, technical, and employability skills are incorporated into the curriculum, in order to ensure that students complete the program with a strong foundation. The importance of integrity, ethical behavior, and professionalism will be emphasized as key factors in terms of employment. Students will have contact with professionals from law enforcement, the court system, juvenile justice, and corrections. In addition to classroom work, students will receive practical experience through participation in Forensic lab assignments, crime scene investigation, role-plays, mock trials, hiring boards, background investigations, and field trips to local criminal justice agencies and correctional facilities.

CRIMINAL JUSTICE II (1608) **2 Credits/Year**
Grade 12 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course introduces the student to the field of Criminology by reviewing the historical underpinnings of the modern-day study of crime and criminals, examining the theoretical causes of crime and criminality, and studying society's responses to crime. The student is introduced to the major schools of thought on crime and its causes. Various labs and activities will be completed throughout the year. Criminal Justice II is a college-accredited course for which the student may receive college credit through an articulation agreement.

Students will be required to undergo a criminal background check at the N.H. Department of Safety in order to participate in the internship component of the program. A nominal fee may be charged.

GRAPHIC ARTS TECHNOLOGY I (1612) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

Graphic Arts Technology I provides an introductory learning experiences in the basic skills of the

graphic arts industry. Areas of study include: design principles; visual communication; desktop publishing; use of digital cameras and other peripherals; development of animation; reproduction photography using specialized darkroom equipment and chemistry; pre-press processes; printing methods (screen/offset/others); basic finishing and binding techniques; shop safety; and employment skills. A portfolio will be assembled to demonstrate skill, competency and proficiency in the content areas. At the end of the first year, students will be able to:

- Explain and perform basic techniques in areas of layout and design, copy preparation and composition.
- Communicate ideas through preliminary drawings, and computer-designed layouts.
- Explain and perform basic techniques in areas of continuous tone and reproduction photography, image assembly, presswork and finishing.
- Recognize and explain the major printing methods used in the industry.
- Achieve a level of proficiency suitable for entry as an advanced learner into Graphic Arts Technology II.

Successful completion of this course satisfies the graduation requirement for an ART credit.

GRAPHIC ARTS TECHNOLOGY II (1613) **2 Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

Graphic Arts Technology II is a refinement of Graphic Arts Technology I, designed to provide advanced training in desktop publishing, screen and offset printing operations, and other related graphic arts technical skill areas. Students will produce an extensive portfolio in hard copy as well as electronic format to showcase their abilities as Graphic Designers. Career opportunities in the local area will be explored, and students will practice job interviewing. Students will create a resume, and have an opportunity to participate in an internship experience where they will receive hands-on training at a local graphic arts-related facility. Client/consultant interactions will be developed and practiced through In-Service learning; community service hours may be acquired. At the end of the second year, students will be able to:

- Use advanced technical skills that supplement those learned in Graphic Arts Technology I.
 - Appropriately use safety techniques and production equipment.
 - Expand upon community connections to build industry credentials
 - Recognize the relationship between extensive training and success in the graphic arts industry with a heightened awareness of the multitude of career choices available in the field.
- *Successful completion of this course satisfies the graduation requirement for an ART credit.

HEALTH SCIENCE & TECHNOLOGY I (1614) **2Credits/Year**
Grade 11 Full-Year **Elective**
PROGRAM LENGTH: 1 Year **SCHEDULED TIME: 90-min. classes, 5 Days/Week**
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course introduces students to the core material needed by most health care workers. Students will learn about Health Care Careers such as: Nursing, Radiology, Medical Doctor, Sports Medicine, Physical Therapy, Medical Assistant, Lab Technician, Pharmacy Tech, EMT/Paramedic, Surgical Technology, Fitness Trainer, Respiratory Therapy, Occupational Therapy, Dietary Tech, Veterinarian and Dental Care. Students considering any of these careers would greatly benefit from the program.

Emphasis is focused on body structure and functions (anatomy & physiology with a full lab component), medical terminology and safety principals. Students will utilize equipment in classroom clinical situations for practice of various health care skills and gain exposure to actual clinical situations in facilities in the community. Classroom activities will include, lecture; discussion; poster presentation; Internet projects; competitive games and audiovisual learning related to diagnosis; treatment and prevention of disease.

Students successfully completing Health Science and Technology I will demonstrate competencies in accordance with National Health Care Skills Standards. Students will become certified in CPR for the Professional Rescuer, First Aid & Automated External Defibrillation.

HOSA (Health Occupations Students of America) is an integral part of the program. Through HOSA, students develop leadership and teambuilding skills. It encourages both civic and social responsibility. Students involved with HOSA activities can become more involved with the State and National levels and attend the annual Leadership Conventions.

The State of New Hampshire requires an annual Mantoux T.B. test and physical exam for all students entering the program.

HEALTH SCIENCE & TECHNOLOGY II (1615) 2 Credits/Year
Grade 12 Full-Year Elective
PROGRAM LENGTH: 1 Year SCHEDULED TIME: 90-min. classes, 5 Days/Week
A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

This course builds on the basics provided in Health Science and Technology I. Attention is focused on the development of specialized tasks and skills for individualized career goals. Students will explore in more depth, the areas of anatomy & physiology, mental health, wellness, health care consumerism, the aging process and individualized career development.

Specialization, both in school and in the community with more time commitments in the clinical areas of students' choice is the key feature for students in this program. They will also be recertified in CPR. Students will be required to create an individualized professional portfolio. They will also continue to participate in HOSA.

As part of the Health Science II course, students may chose to participate in one of three programs: Licensed Nursing Assistant (LNA) Program, the Emergency Medical Technician (EMT) program or an independent study. The EMT and LNA programs have an enrollment fee associated (financial aid and/or plans are available); students are also required to attend some evening and weekend clinical experiences. Upon completion of the LNA or EMT program, and passing the corresponding state license exam the student is licensed. Students that elect an independent study will arrange a clinical experience related to their field of interest and be required to do a formal presentation to the instructor, mentor and director of program as well as present a research paper.

Upon successful completion of Health Science and Technology II, students will demonstrate all competencies outlined for the program in the Standard Competency Profile and those in accordance with National Health Care Skills Standards.

The State of New Hampshire requires an annual Mantoux T.B. test and physical exam for all students entering the program. This course may satisfy the graduation requirement for health.

INFORMATION TECHNOLOGY I**(1620)****2 Credits/Year****Grade 11 Full-Year****Elective****PROGRAM LENGTH: 1 Year****SCHEDULED TIME: 90-min. classes, 5 Days/Week***A proposed Project Running Start course (approved on an annual basis with the NH Community College System).*

Semester I – PC Hardware and Software: This course offers students an in-depth exposure to Personal Computer hardware and operating systems. Students learn the functionality of hardware and software components as well as best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, add peripherals, upgrade hardware and software, and troubleshoot hardware and software problems. Students also receive a brief introduction to networking, and learn communication skills. This course helps prepare students to take the CompTIA A+ certification exam.

Semester II – Network for Home and Small Business: Networking for Home and Small Business teaches students how to build and support a home or small business network with wired and wireless technologies. Students learn the fundamental concepts of networking through extensive hands-on interaction with PC and networking equipment. Students will build and test network cables and will use test equipment and software to troubleshoot basic network problems. The course prepares students for entry-level IT jobs through the use of interactive and engaging instructional approaches that help to understand the theory and to gain practical experience. Students completing the course should be able to install a small network and connect it to the Internet, share resources among multiple computers, recognize and mitigate security threats, configure and verify common Internet applications, and configure basic IP services.

INFORMATION TECHNOLOGY II**(1621)****2 Credits/Year****Grade 11 Full-Year****Elective****PROGRAM LENGTH: 1 Year****SCHEDULED TIME: 90-min. classes, 5 Days/Week***A proposed Project Running Start course (approved on an annual basis with the NH Community College System).*

Semester I – Working at a Small Business or ISP: Working at a Small Business or ISP introduces students to the concepts of computer networking, including standards, protocols, media types, equipment, environments, and applications. Students learn the roles and responsibilities of a Help Desk, services offered by an Internet Service Provider, how the Internet operates, disaster recovery procedures, WAN connectivity, and monitoring and troubleshooting network problems. Students take a hands-on approach to learn about the Cisco IOS, routers, switches, and a basic wired network infrastructure. Internet protocols such as DNS, HTTP, FTP, SMTP, POP3, TCP, UDP, and IP are discussed. The combination of Networking for Home and Small Business and Working at a Small Business or ISP helps prepare students to take the CCENT (Cisco Certified Entry Level Technician) certification exam.

Semester II – Introduction to Programming: In the final semester students will be introduced to programming concepts through the use of object-oriented and device-driven programming. Students will start by using Alice, an innovative drag and drop, 3D programming environment that makes it easy to create animations and videos while being exposed to fundamental programming techniques. Students then progress to developing simple business applications using Microsoft Visual Basic.NET software. Students learn basic form design, common form controls and their properties, decision structures, looping, events, arrays, and error handling. Students will develop problem-solving and logical thinking skills as they use programming to solve business problems.

While the above classes will be very beneficial for anyone pursuing a career in a technology field, students will also find a strong foundation in Information Technology is often required and is very useful in many other career fields such as finance, entrepreneurship, and business management.

Students who take full advantage of Project Running Start can receive up to 12 college credits upon completion of the two year program.

**INTRODUCTION TO PROGRAMMING (1633) 1 Credit/Sem.
PROGRAM LENGTH: 1 Semester Elective
SCHEDULED TIME: 90-minute classes, 5 Days/Week**

(Tentatively offered during Block B/CHS Periods 3&4 on a space available basis)

A proposed Project Running Start course (approved on an annual basis with the NH Community College System).

Semester II ONLY – Introduction to Programming (see above): Students will be introduced to programming concepts through the use of object-oriented and device-driven programming. Students will start by using Alice, an innovative drag and drop, 3D programming environment that makes it easy to create animations and videos while being exposed to fundamental programming techniques. Students then progress to developing simple business applications using Microsoft Visual Basic.NET software. Students learn basic form design, common form controls and their properties, decision structures, looping, events, arrays, and error handling. Students will develop problem-solving and logical thinking skills as they use programming to solve business problems. Although there is not a pre-requisite course – students should have a strong math and logic background.

**COSMETOLOGY I (1622) 2 Credits/Year
Grades 11& 12 Full-Year Elective
PROGRAM LENGTH: 1 Year SCHEDULED TIME: 90-min. classes, 5 Days/Week**

This exact curriculum (relative to state competencies) for this new course is not finalized, but in the present plan students will gain a foundation in competencies related to safety, leadership, personal development, chemistry, properties of the scalp and hair, draping, shampooing, rinsing and conditioning, removing unwanted hair, waving, wet hairstyling, roller sets, artistry of artificial hair and wigs, manicures and pedicures, the nail and its disorders, hair cutting, thermal hair styling/blow waving, and different types of hair coloring. This is a hands-on course with practice and review in each area. You will be tested individually on each subject and be required to pass a practical assessment as well. CT1413 Cosmetology II will be available in 2010/11. Note: You can gain hours toward NH State Cosmetology Certification if you demonstrate competency in this course.

STATEMENT OF NON-DISCRIMINATION

Applicants for admission and employment, students, parents, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreement with the Pittsfield School District are hereby notified that the District does not discriminate on the basis of race, creed, color, national origin, disability, sex, marital status, age and/or sexual orientation in admission or access to, or treatment of employment in, its programs and activities. Any person having inquiries or complaints concerning the School District's compliance with the District's Non-Discrimination policy or written regulations implementing Title VI (discrimination on basis of race, color or national origin), Title IX (sex discrimination), or Section 504 (discrimination on the basis of disability) and/or the Americans with Disabilities Act is directed to contact the Office of the Principal, Pittsfield Middle High School, 23 Oneida Street, Pittsfield, NH 03263. The Office of the Principal had been designated by the Pittsfield School District to coordinate the District's efforts to comply with the District's above-stated Non-Discrimination policy and regulations implementing Title VI, Title IX, and Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act, and State Law.

