Monson High School

PROGRAM OF STUDIES

2025-2026

MONSON HIGH SCHOOL
55 MARGARET STREET, MONSON, MASSACHUSETTS 01057
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The Monson High School Experience is one that prepares its students for living, learning, and working in the global community. We challenge all community members to reach their academic, social, and civic potential through an engaging curriculum that promotes critical thinking, communication, and collaboration. We foster a safe, and secure environment where diversity is appreciated to ensure that our students are prepared to be lifelong learners.

ACCREDITATION STATEMENT

Monson High School is accredited by the New England Association of Schools and Colleges, Inc., a non-governmental nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post graduate instruction. Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution. Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals may also contact the Association: NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES THE SANBORN HOUSE, 15 HIGH STREET, WINCHESTER, MASSACHUSETTS O1890 (617) 729-6762

VISION OF THE GRADUATE

MONSON HIGH SCHOOL GRADUATES ARE:

ENGAGED, GLOBAL CITIZENS

Students are culturally aware, open minded, inspired and engaged in contributing to communities both locally and globally.

CRITICAL THINKERS

Students think critically, analytically and creatively to pursue new ideas, develop new knowledge, make decisions and apply their skills in order to extend their learning.

CAREER READY

Students are able to enter the field of their desired career with the skills needed to be successful including the ability to collaborate, innovate, organize and reflect.

ACCOUNTABLE

Students accept responsibility for their actions and decisions, engaged in their personal growth and learning while contributing to the well being of the larger community. Students strive to ensure that they master the content needed within their academic classes to be successful after high school while interacting respectfully with their community members.

FINANCIALLY LITERATE

Students possess personal financial literacy knowledge, are able to establish financial goals and make informed choices in order to live a healthy and fulfilling life.

MONSON HIGH SCHOOL ACADEMIC EXPECTATIONS

AE #1 - COMMUNICATION

Communication is the effective sharing of ideas that involves the purposeful sending and receiving of information, recognizing that both are vital components. We can enhance communication through the clarity of ideas, provision of details and evidence, thoughtful consideration of perspectives and viewpoints, and the development of a logical and engaging argument.

AE #2 - CRITICAL THINKING

Critical thinking is a skill that supports the development of resiliency. Difficult or unfamiliar tasks can be tackled through the conscious attention to the steps associated with critical thinking; recognizing main themes, considering pertinent information, assimilating useful information, and synthesizing a result.

AE #3 - COLLABORATION

Collaboration involves the active participation of group members working cooperatively towards a common goal. It is effective when group members take responsibility for themselves, respect the needs and purpose of the group, are willing to reflect on the process in order to continually improve, and help others along the way.

AE #4 - CONTENT KNOWLEDGE

Content knowledge involves the students' ability to create and innovate the information they have been exposed to. Basic knowledge is the foundation of higher-level thinking and understanding, and effective communication of ideas comes from precise mechanics and execution.

AE #5 - CITIZENSHIP

Citizenship is an integral part of a healthy environment. This is highlighted by active development and consistent practice in areas including respect, empathy, interpersonal skills, cultural awareness and sensitivity, and integrity. At MHS, our contributions to our school and greater community are evidenced by our actions and define our success.

If you need assistance translating this document into a language other than English, please contact the district's Coordinator of English Language Learners at 413-267-4150 x 409

Si necesita ayuda que traduce este documento en un idioma de otra manera que inglés, contacta por favor Coordinador del distrito de Estudiantes ingleses de Idioma en 413-267-4150 X 409

Если Вы нуждаетесь в помощи, переводящей этот документ на язык кроме английского языка, пожалуйста свяжитесь с Координатором района английских Языковых Учеников в 413-267-4150 x 409

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GRADUATION REQUIREMENTS

Subject	Credits	Specific Courses
English	**4**	*English 9, English 10*
Social Studies	**4**	*World History II, US History I & II or AP, Government*
Mathematics	**4**	*Geometry, Algebra I, Algebra II*
Science	**3**	*Physical Science, Biology*
Health	**1**	*Health 9 & Health 10*
Physical Education	**3**	*PE 9, PE 10 & PE 11/12 twice or waiver*
The Arts & Languages *(4 credits total)*		
Applied Arts	**1**	*At minimum toward the total 4; Personal Finance*
Fine Arts	**1**	*At minimum toward the total 4*
Languages	**2**	*At maximum toward the total 4. Can be substituted for additional Applied & Fine Arts Courses*

Required Subject Credits 20.5

CLASS ELIGIBILITY CREDITS

Class Of:	2026	2027	2028	2029
Promoted to Grade 10	X	X	X	6
Promoted to Grade 11	X	X	12	14
Promoted to Grade 12	X	18	20	22
Total Credits to Graduate	24	26	28	30

** Schedule change as of 2025-2026 school year

Dual Enrollment for Business

When students enter the 11th grade, they will have the opportunity to enroll in the Monson High School Dual Enrollment Business program in partnership with Holyoke Community College. This program allows students to enroll in courses at Monson High School while receiving college credit upon successful completion of specific Dual Enrollment Business courses. Through articulation with Holyoke Community College, students must successfully complete their courses with a grade of 87 or higher. The follow courses

Dual Enrollment Business Program	
Computer Applications	HCC Course: BUS 115 (3 credits)

The following courses may be applied to the following degrees/certificates:

- Business Administration Mass Transfer B023
- Business Administration Career B026
- Human Resource Management Certificate B011
- Human Resource Management Certificate B010
- Marketing B038
- Marketing Certificate B078
- Sports Management B096

Advanced Engineering and Manufacturing Pathway

Careers in the manufacturing industry are abundant and expected to grow in both the near and short term. According to the Western Mass Economic Development Council, advanced manufacturing is identified as one of the top five industries in Western Massachusetts.

Being the 4th largest employment sector across Massachusetts, the Manufacturing pathway at Monson High School offers a cohesive hands-on approach through engaging courses, finalizing with a Senior Internship or Capstone. Students must take at least two technical courses in the industry sector and at least 2 advanced courses. Below is a sample course progression for students who are interested in the Advanced Engineering and Manufacturing Pathway. Students may elect to take courses in different years following the same progression.

Sample Course Progression

9th Grade		10th Grade		11th Grade		12th Grade	
Math	ELA	Math	ELA	Math	ELA	AP PreCalc OR AP Calc	ELA
Science	History	Science	History	History	PE	Gov/ Personal Finance	Elective
PE/Health	Elective	PE/Health	Elective	Chemistry	Elective	Elective	Elective
Elective	Intro Engineering	Elective	Principles of Engineering	Computer Integrated Manufacturing		Capstone/Internship	

Career Opportunities:

- Architecture
- Drafting
- Engineer

Medical Assistant Pathway

The Medical Assisting program prepares students to provide essential care to a diverse range of patients. The program equips students with the knowledge and skills to work in various healthcare settings, including long-term care facilities, hospitals, and home health agencies. Through a combination of classroom instruction and hands-on activities, students will develop a solid foundation in healthcare and be prepared to advance to more complex skills. This 720 hour program will prepare students to sit for the RMA (Registered Medical Assistant) exam upon completion.

Sample Course Progression

9th Grade		10th Grade		11th Grade		12th Grade	
Math	ELA	Math	ELA	Math	ELA	Math	ELA
Science	History	Science	History	History	PE	Government	Personal Finance
PE/Health	Elective	PE/Health	Elective	Elective	A & P (Sci)	Elective	AP Biology
Elective	Medical Assistant 1	Elective	Medical Assistant 2	Medical Assistant 3		Medical Assistant 4 w/ Internship	

Certifications upon completion:

- Medical Assistant

Career Opportunities:

- Speech Language Therapist/Pathologist
- Registered Nurse (RN)
- Nurse Practitioner
- Occupational Therapist
- Physician Assistant
- Paramedic/EMT
- Healthcare Assistant

Additional Courses & Information

Honors/Advanced Placement Courses

The Advanced Placement (AP) Program gives students the opportunity to pursue college-level studies while still in secondary school and to receive advanced placement and/or credit upon entering college. The purpose of these subjects is to encourage students to take challenging courses. Students are recommended by subject teachers for these courses. Students should be aware that these subjects will demand much more than average effort. Dual Enrollment classes will be weighted as Honors courses.

Weighted Grades, GPA, Class Rank

Students enrolled in Advanced Placement (AP) and Honors (H) courses receive a weighted grade in those subjects. The grades will be weighted by multiplying a GPA (Grade Point Average) factor of 1.1. All other courses will have a GPA factor of 1.0. The GPA factor will be used for cumulative grade point average, class rank, and honor roll.

Class rank is determined by the cumulative GPA arranged from the highest to the lowest.

The valedictorian, salutatorian and class rank, for the purpose of awards and scholarships, are determined at the end of the third quarter senior year. Only students enrolled in our school prior to or at the beginning of second semester, junior year will be considered for class rank for valedictorian and salutatorian. International students do not receive a class rank.

Summer School Regulations

Monson High School does not offer summer school classes. Students are eligible to attend local area programs providing they meet the following criteria: ● A course taken in summer school must first have been taken at Monson High School or is appropriately listed on a transfer record.

- Courses may be taken in summer school for the reason of making up a failure or raising a grade.
- In order for a course to be approved for summer school registration, all course work at Monson High School must be completed, including final exams.
- A student may not make up a course in summer school for which he/she did not receive credit due to the attendance policy. All courses taken in summer school must be first approved by the Monson High School Principal or by a school counselor.

Credits/Grades

- If a course is taken to make up for a failure, credit will be issued if the average between the grade received in that course at Monson High School during the regular session and the grade received in summer school is 60 or higher.
- If a course is taken to raise a grade, the grade will be computed as described above, but no additional credit will be awarded toward graduation. ● In the

event that letter grades are issued by the summer school the following conversion table will be used in calculating the averages as described above: A+=98, A=95, A-=92; B+=88, B=85, B-=82; C+=78, C=75, C-=72; D+=68, D=65, D-=62; F=55

- Pass/Fail designations will not be accepted.

Students and families interested in attending summer school should see their School Counselor for the appropriate information, paperwork and approval.

Work-Based Learning

Open to: Students in grade 11 and grade 12.

Would you like to be productive and learn at a worksite linked to your career interests? This course is based on the principle of the School-to-Career Initiative. It allows approved students in good standing to enter an agreement with a community organization or business that can offer internship experience relating to a career interest area and builds work attitudes, behavior and communication (Employability Skills). This partnership allows you to learn through experience. You'll be exposed to the daily activities, expectations, and objectives of your career choice over an extended period of time while practicing and becoming more proficient at related job skills. Some students may be given the opportunity to participate in service learning as part of the Work-Based Learning program.

Students are evaluated through the application of the Massachusetts Work-Based Learning Plan, attendance at the worksite, participation in seminars, weekly reflections, and a final oral presentation.

This course can also increase one's awareness of career planning and help you to recognize how you can prepare for and advance in your future career, increasing your potential. It also empowers you to think critically and for yourself, as well as to advocate for your needs.

Admission Procedure: Students must submit a completed application including Resume, Cover Letter, Letter of Recommendation, Completion of MEFA Pathway assessments, a job shadow, and/or interview at a placement site to the Counseling Department by March 25th of their sophomore or junior year. Requests will be reviewed and approved by the Administration and School-to-Career Coordinator. Placement in Work-Based Learning is contingent upon staffing and placement availability. Students must provide their own transportation.

Independent Study Program

Students in 11th or 12th grade may elect a course of independent study for those subjects not offered during a given semester/year or those subjects not offered within the Program of Studies. The structure, content, and credit value of the course is determined by the instructor and student, reviewed by the Teaching and Learning Council and submitted to the High School Principal for approval. Students seeking a course of Independent Study should initiate the process with a teacher. This must be done before May 1st for the following fall semester, or November 1st

for the following spring semester.

Online Learning Protocol

Monson High School's Online Learning Protocol oversees, but is not limited to, online courses, video conferencing courses, and courses held through local colleges. The following guidelines will be used to recruit, select, and enroll eligible students into a variety of distance learning opportunities.

Eligible students will be in good standing. Online learning courses may satisfy departmental graduation requirements, but cannot be a course that is presently offered in person, at Monson High School. Credit will be awarded based on length of course: 1 credit for one semester courses.

Any student interested in taking a class that is not currently offered at MHS may opt to take one of the more than 125 online courses. These classes are offered through EDUCERE, an online learning platform. Courses range from Electives, Career Pathways, Foreign language, AP and core curriculum courses. Those considering taking an online class should list the class(es) on their course sheet There are a limited number of slots available, so making a course request does not guarantee a seat in the class. Students should also pick an alternative class if the online class is not available. For more information about online learning or a list of courses available, please contact your School Counselor. Final course approval is at the discretion of Monson High School administration. Students who have failed an online course before, are not eligible for online courses. Students who take an online learning course will be assigned to a supervised classroom for that period.

Dual Enrollment

Juniors and Seniors have an opportunity to take classes at public colleges or universities in Massachusetts for free through the Dual Enrollment Program. Interested students must be in good standing academically and discipline wise, and depending on the college, may also require a minimum GPA (typically 80). Students are given one free block per day for the semester per college class. Students who have the last block open may leave campus. If taking an on-campus class, transportation is the responsibility of the student. Students interested in pursuing a Dual Enrollment course should see his/her school counselor to begin the discussion and determine which college and classes would be appropriate. A college/university application is then completed and processed by the school counselor. Once accepted, students taking in person or online classes must attend an orientation session on campus. Students must provide MHS their final grade at the conclusion of the course and communicate regularly how class(es) are going. Students who are taking an Online Dual Enrollment course will be assigned to a supervised classroom for that period. Students who are going to the college campus may leave school early to attend their Dual Enrollment class.

Strategy Lab

Strategy Lab is open to students in grades 9 through 12 as determined by their educational plan and team placement. Strategy Lab is designed to help students develop and improve organizational and study skills, as well as strengthening

reading and writing skills. Students will learn specific strategies that can be applied to their day-to-day class and homework assignments. The goal of the course is to provide opportunities for students to succeed in all classes while teaching them to be independent and responsible learners for success later in high school.

NCAA Clearinghouse Eligibility Requirements

If you are planning to enroll as a college freshman, and you plan to participate in Division I or II athletics, you must be certified by the National Collegiate Athletic Association (NCAA) Initial Eligibility Clearinghouse. Students should begin the application process (including payment of a fee) in the spring of their junior year and request a final transcript be sent after graduation. Academic Eligibility requirements include the completion of 16 core courses, the possession of a minimum grade point average and a corresponding SAT/ACT test score. For more information, see your counselor or visit www.eligibilitycenter.org.

English Department Courses **Graduation Requirements:** *4 credits of English; English 9 & 10 required.*			
Course	**Credit**	**Prerequisite**	**Description**
English 9	1 credit	*Competency in Grade 8 English, as determined by the subject teacher.*	English 9 is a required literature-based course for all freshmen at Monson High School. This literature-centered course features a thematically organized selection of texts, encompassing a broad range of literary genres, including the short story, poetry, drama, non-fiction, the epic, and the novel. Language skill development is integrated throughout the curriculum, with focused instruction in reading, writing, grammar and usage, mechanics, spelling, vocabulary, critical and creative thinking, as well as oral communication skills such as speaking and listening. A variety of assessment methods are employed to evaluate student progress and achievement comprehensively.
English 9 Honors	1 credit	*Competency in Grade 8 English, as determined by the subject teacher & Recommendation.*	The English 9 Honors course centers on the study of literature, as well as expository, narrative, descriptive, and persuasive writing. Students will be expected to read the literature of the various genres from a literature anthology, and outside reading novels and poems. *Weighted grade GPA factor 1.1*
English 10	1 credit	*Competency in English 9, as determined by the subject teacher.*	English 10 is a literature-based course that all students are required to take. The literature portion focuses on the literature of a number of various ethnic and cultural groups. The course examines those works for content; structure, elements, and theme. The course is also designed to develop creative and critical thinking skills. Through numerous writing assignments, students will write to develop skills in organization, unity, coherence, and literature interpretation, as well as to review grammar and other standard English speaking and writing conventions. The following types of writing will be assigned: expository, persuasive, descriptive and narrative. Students will analyze literature, write a formal research paper, and they will be encouraged to submit their writing for publication. Varied means of assessment are utilized to measure student achievement
AP Seminar	1 credit	*Competency in English 9, as determined by the subject teacher & recommendation.*	AP Seminar is an interdisciplinary course that engages students to demonstrate critical thinking, collaboration and academic research skills on topics of the students choosing. The big ideas that are explored in this course include Questions and Exploration, Understanding and Analyzing, Evaluating Multiple Perspectives, Synthesizing Ideas and

			Team, Transform and Transmit *Weighted grade GPA factor 1.1*
Mass Media/Speech	1 Credit	*Competency in Grade 10 English, as determined by the subject teacher.* *Open to students in grade 11.*	Mass media is all around us and influences just about everything that we do; therefore, understanding the subtle nuances of bias and presentation is critical. In this course, Juniors will look at journalism in democracy, meeting ethical and legal responsibilities, gathering news and writing the news on a variety of topics. Because of the power of media in both written and oral communication, both will be examined with equal importance. Students will study verbal presentation of media and practice communication effectively in speech and writing. They will also be given the opportunity to work with technology and improve their speaking skills through speech writing, performance and evaluation.
Journalism	1 Credit	*Competency in Grade 8 English, as determined by the subject teacher.* *Open to students in grades 9-12*	Join the world of journalism! This course allows students to understand and work with various aspects of the profession. Topics covered include journalism in democracy; meeting ethical and legal responsibilities as a journalist; gathering news; writing the news (leads, news stories, headlines, quotes, captions); in-depth reporting; and designing and lay-out; as well as writing feature stories, sports stories, and editorials. Students taking this course will be expected to write for the school newspaper and yearbook, and to submit their work for publication. **May also be used to fulfill a Fine Art credit requirement*
Creative Writing	1 Credit	*Competency in Grade 8 English, as determined by the subject teacher.* *Open to students in grades 9-12*	Creative writing has been designed to give students who are interested in writing fiction a chance to explore and develop their talents. Students will write a short story, a poetry booklet, a play, as well as other pieces, both fiction and non-fiction. While the course is geared to develop creativity, form, structure, and literary techniques will be studied so that students will write structurally sound pieces. Students will also be asked to share their work with their classmates. A love of writing is needed for true success in this course. **May also be used to fulfill a Fine Art credit requirement*
Sports Literature	1 Credit	*Competency in English 10, as determined by the subject teacher.* *Open to students in grades 11 & 12*	This class will examine the relationship between sports and society through literature by a diverse collection of authors, columnists and mass media. The themes of leadership, character, rivalries, success and failure, fate and heroes will be covered. Writing assignments will include argumentative, information and narrative.

World Mythology	1 Credit	*Competency in Grade 8 English, as determined by the subject teacher.* *Open to students in grades 9-12*	Even in today's modern world, we understand that mythology is never far away from us. Looking back to ancient myths helps us understand ourselves as human beings. They are part of the fabric of different cultures around the world: and part of our own. In this elective, you will rediscover old myths that you may already know but, perhaps, see them in a different light. You will also read and discuss other fascinating myths from Ancient Rome, Egypt and the Middle East, the British Isles, Northern Europe and North and South America.
Film As Literature	1 Credit	*Competency in English 10, as determined by the subject teacher.* *Open to students in grades 11 & 12*	This course will offer a chronological survey of classic films by decade, beginning in the 1930s and continuing to the present. Students will be responsible for writing critical essays for the films viewed in addition, there will be lectures, discussion, and class projects. The course will also provide historical and cultural backgrounds of the decades in which the films were made, as necessary. Students will learn a variety of film-making terms and techniques. Emphasis will be placed on the differences between how stories are told through a visual medium as opposed to a literary medium. **May also be used to fulfill a Fine Art credit requirement*
Literature of the Fantastic	1 Credit	*Competency in Grade 8 English, as determined by the subject teacher.* *Open to students in grades 9-12*	Fantasy comes to life through literature, and in this course, we will examine various Literary texts of the fantasy genre. Students will explore authors such as Tolkien, Rowling, and Goldman and observe how fantasy has evolved over time. We will examine the techniques fantasy writers use and their powerful creativity to imagine worlds unlike any other, and explore this through discussions and written analysis.
Dramatic Arts	1 Credit	*Competency in Grade 8 English, as determined by the subject teacher.* *Open to students in grades 9-12*	Dramatic Arts offers students the opportunity to learn about the various aspects of the theatre arts, including, but not limited to, the following: conventions of the theater, acting, theatre history, varieties of drama, production guidelines, and acting techniques. Several model pieces of literature, both comedy and drama, will be read, analyzed, studied, rehearsed and acted in the course. In fact, the course will center around students reading, rehearsing and presenting and analyzing dramatic productions in class and to others. The course will further the interest in the dramatic arts already evident in the community, and allow more students to participate in various aspects of production. **May also be used to fulfill a Fine Art credit requirement*

Shakespeare Honors	1 Credit	*Competency in English 10, as determined by the subject teacher & recommendation* *Open to students in grades 11 & 12*	"'Twas strange, 'twas passing strange; 'twas wondrous' Othello, iii" Can't get enough of the bard? Here's a chance for interested students to read, discuss, speak and write about the greatest writer in the English Language. Read more of Shakespeare's greatest comedy, histories, and tragedies. Among others, students will read the following plays: King Lear, The Tempest, As You Like It, All's Well That Ends Well, as well as selected history plays. In addition, students will study Elizabethan life and times, and conduct research into the wolf of the Globe and other Elizabethan Drama. *Weighted grade GPA factor 1.1* (NOTE: This Course is run every other year beginning with odd years)
Psychology in Literature Honors	1 Credit	*Competency in English 10, as determined by the subject teacher & recommendation* *Open to students in grades 11 & 12*	This course will take us through the minds of authors and their characters as we psychoanalyze their behaviors, decisions, and actions. Students will use the theories of psychologists and philosophers such as Freud, Marx, and Nietzsche to gain unique perspectives on the connection between literature and social behavior. Students will demonstrate their understanding through written analysis, presentations, and discussions. *Weighted grade GPA factor 1.1* (NOTE: This Course is run every other year beginning with even years)
AP English Language and Composition	1 Credit	*Competency in English 10, as determined by the subject teacher & recommendation*	This is a rigorous course that gives students ample opportunities to examine a writer's purpose in accordance with the writer's use of rhetorical devices, including tone, diction, audience, organization, appeal style, and attitude. The course also teaches students how to read and evaluate primary and secondary sources in order to incorporate them into an original composition. All students will be required to document these sources using the guidelines set forth by the Modern Language Association (MLA). This course also requires students to write expository, analytical and argumentative papers in response to a variety of prose and genres. Students will read and write (formally and informally) in the following rhetorical modes: narration, description, process analysis, example, definition, classification, comparison/contrast, cause/effect, and argument/persuasion. They will learn how to link technique and meaning into well-organized, supported, logical responses to complex texts (both fiction and nonfiction). **The student will be required to take the Advanced Placement exam in order to receive the distinction of having Advanced Placement English Language on the high school transcript. Failure to take the AP exam will result in Honors English Language being placed on the final transcript.**

			(NOTE: This Course is run every other year beginning with even years) *Weighted grade GPA factor 1.1*
AP English Literature and Composition	1 Credit	*Competency in English 10, as determined by the subject teacher & recommendation*	The College Board states that the AP exam in literature "tests the student's ability to read selected poems and prose passages analytically and to write critical and analytical essays based on poems, prose passages, and complete novels or plays." To that end, students in this course will read and engage deeply in works of known literary merit from a variety of genres and historical periods from the 16th century to the present. The writing that students produce will reinforce their reading. By the end of the course, students should be able to do such things as analyze orally and through their writing the structure of a poem and the themes of a play or novel. They should be able to skillfully explain various literary techniques and understand how they create meaning in a text. **The student will be required to take the Advanced Placement exam in order to receive the distinction of having Advanced Placement English Literature on the high school transcript. Failure to take the AP exam will result in Honors English Literature being placed on the final transcript.** (NOTE: This Course is run every other year beginning with odd years) *Weighted grade GPA factor 1.1*

Social Studies Department Courses

Graduation Requirements: *4 credits of Social Studies; World History, U.S. History I & II (or AP) and American Government (or AP) required.*

Course	Credit	Prerequisite	Description
World History or World History Honors	1 Credit	*Competency in Grade 8 Social Studies, as determined by the subject teacher.* *Teacher Recommendation*	Students will study the culture and civilizations in both the western and non-western worlds. The period of time covers the "long 19th century" (c.1750-1914) and that of the modern era (World War I to the present). Students will develop generalizations and concepts that connect the recent past and the different cultures of today with those of our own. *Honors section has weighted GPA factor of 1.1*
US History I	1 Credit	*Competency in World History, as determined by the subject teacher.*	Students will study the history of the United States from early exploration through the Reconstruction Period. Students will explore the interconnections between social, political, economic, and cultural developments, and discover how the past is alive in the present and future.
US History II	1 Credit	*Competency in US I, as determined by the subject teacher.*	United States History II begins with post Civil War industrialization and continues to the present. Emphasis will be placed on further developing critical thinking skills, making relevant connections between the past and present and honing research skills.

AP US History	2 Credits	*Competency in World History, as determined by the subject teacher & Recommend ation*	This is an advanced level course designed to challenge the student who has a strong interest in history. The course will follow the prescribed content recommended by the College Board, providing an in-depth study of American History. Heavy emphasis is placed on analysis of primary source materials and the development of critical thinking skills. Students will learn to assess historical materials, weigh evidence and interpretations presented in historical scholarship, and use those skills to write well organized and argued essays. There will be extensive reading and writing assignments. *Weighted grade GPA factor 1.1* ***Students will be required to complete a pre-course reading and a writing assignment that will be due on the first day of class.*** **Students will be required to take the Advanced Placement exam in order to receive the distinction of having Advanced Placement United States History on the high school transcript. Failure to take the AP exam will result in Honors US History being placed on the final transcript. College credit may be earned by taking and successfully passing the AP examination in May.**
Government	1 Credit	*Competency in US I & II or AP, as determined by the subject teacher.*	The goal of this course is to prepare students for citizenship responsibilities and provide a thorough understanding of the function of government in their lives. Students will explore constitutional issues and problems that challenge their society. This will be presented on a selected topical approach.

Military History	1 Credit	*Competency in US I & II or AP, as determined by the subject teacher.* *Open to students in grades 11 & 12.*	This course will examine the major historic battles throughout history. It will also scrutinize the military leaders that fought them. The curriculum will begin the study of battles and wars going back to the ancient world through the 21st century. In addition, time will be spent researching and developing a knowledge of period weapons, strategies and tactics, including the evolution of said weapons, strategies and tactics. In each unit, the impact of the battle on history will be explored and analyzed. (NOTE: This Course is run every other year beginning with odd years)
The History of Monson	1 Credit	*Competency in US I & II or AP, as determined by the subject teacher.* *Open to students in grades 11 & 12.*	The History of Monson is a survey course that researches and examines the history of Monson Massachusetts. The class will start when Monson was incorporated in 1760 and became a town in the Commonwealth of Massachusetts to the present. Topics will include, Early mid and present industries, Educational institutions, Businesses, Monuments/cemeteries, natural disasters, recreation/sports and arts and culture. The class will involve extensive research that will support research papers/projects as well as presentations. (NOTE: This Course is run every other year beginning with even years)

Math Department Courses

Graduation Requirements: *4 credits of Mathematics; with 1 credit taken and passed in grade 12*

Course	Credit	Prerequisite	Description
Algebra I or Algebra I Honors	1 Credit	*Successful completion of Math 7 and 8, as determined by the subject teacher.* *Teacher Recommendation*	This course emphasizes and integrates problem-solving and critical thinking skills. Basic algebra concepts found on MCAS, ACT, and SAT tests are included within the study of equations and inequalities, absolute value, systems of equations, rules of exponents, operations with polynomials, factoring, quadratic equations, radicals, graphing various functions, and data analysis and probability. Those opting to challenge themselves may pursue a more in depth curriculum, including more in depth problem-solving and theory for honors credit. *Honors section has weighted GPA factor of 1.1*
Geometry or Geometry Honors	1 Credit	*Successful completion of Algebra 1* *Teacher Recommendation*	Geometry provides students experiences that deepen the understanding of two and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric concepts found on MCAS, ACT, and SAT tests are included within the study of points, lines, angles, planes, and polygons, with a special focus in triangles, quadrilaterals, circles, and solids. An understanding of proof and logic is developed. Those opting to challenge themselves may pursue a more in depth curriculum, including more in depth proofs and theory for honors credit. *Honors section has weighted GPA factor of 1.1*
Algebra II or Algebra II Honors	1 Credit	*Successful completion of Geometry and Algebra I, as determined by the subject teacher.* *Teacher Recommendation*	This is a more advanced course in algebra. It will provide students with an excellent background in college level mathematics. Problem-solving and effective communication of mathematical ideas will be emphasized throughout the course. Concepts that will be studied will include functions, systems of equations, quadratic functions and equations, polynomial functions, exponents and logarithms, rational functions, sequences and series, and conic sections. Those opting to challenge themselves may pursue a more in depth curriculum, including more in depth problem-solving and theory for honors credit. *Honors section has weighted GPA factor of 1.1*

AP Pre-Calculus	1 Credit	*Successful completion of Algebra 2 with 80% or higher and teacher recommendation*	AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students enrolling in this course are encouraged to have either a TI-84 or TI-89 graphing calculator. *Weighted GPA factor of 1.1*
AP Calculus	2 Credits	*Successful completion of Precalculus with 80% or higher and teacher recommendation*	This course provides students with an opportunity to explore the concepts of calculus. It is designed for students who have clearly shown a keen aptitude and ability to handle algebraic, geometric and trigonometric concepts. Limits, differentiation and integration, and their various applications will be discussed. This course is also designed to prepare students for the Advanced Placement AB Calculus Exam. Students enrolling in this course are encouraged to have either a TI-84 or TI-89 graphing calculator. *Weighted grade GPA factor 1.1* **Students are required to take the AP exam to receive the distinction of having Advanced Placement Calculus on the high school transcript. Failure to take the AP exam will result in Honors Calculus being placed on the final transcript.**
Statistics and Probability	1 Credit	*Successful completion of Algebra 2, as determined by the subject teacher.*	This is a beginning statistics course for any student who has completed Algebra 2. The course utilizes a non-theoretical approach in which concepts are explained intuitively and supported by examples. The applications are general in nature, and the exercises include problems from agriculture, biology, business, economics, education, psychology, engineering, medicine, sociology, and computer science.
Pre-Calculus	1 Credit	*Successful completion of Algebra 2, as determined by the subject teacher.*	This course builds on concepts from previous algebra and geometry courses and aims to prepare students for math courses beyond high school. This course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Some of the major

			topics include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions.

Science Department Courses

Graduation Requirements: *3 credits of Science; Integrated Science/Environmental Science/Equivalent & Biology required.*

All Science courses offered are lab sciences.

Course	Credit	Prerequisite	Description
Physical Science or Physical Science Honors	1 Credit	*Competency in Grade 8 English, Math and Science as determined by the subject teacher.*	This course provides students with a solid foundation in physics and chemistry. Students will learn about the basic principles of matter, energy, and motion. They will explore topics such as forces, motion, electricity, magnetism, and chemical reactions. Physical Science often involves hands-on experiments and activities to help students develop a deeper understanding of the concepts. *Honors section has weighted GPA factor of 1.1*
Biology Or Biology Honors	1 Credit	*Competency in Grade 9 Core Science Course (Integrated Science or Environmental Science), as determined by the subject teacher.*	Modern technology applications and materials correlated with the HMH Science Dimensions text will include interactive computer and internet related programs, both audio and visual compact discs, worksheets and laboratory exercises, all of which incorporate and relate directly to the National Science Education Standard. The primary focus will be the cell molecular basis of heredity, biological evolution, interdependence of organisms and matter, energy, and organization in living systems along with human anatomy and physiology. An on-going update of content and procedures will be maintained in relation to the Massachusetts Science and Technology Curriculum Frameworks and the Partnerships Advancing Learning of Mathematics and Science, (PALMS). *Honors section has weighted GPA factor of 1.1*
AP Biology	1 Credit	*Competency in Biology and Chemistry*	The AP Biology course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.
Chemistry	1 Credit	*Open to Students in Grades 11 & 12.* *Competency in Grade 9 Science Core Course, Biology & Algebra I, as determined by*	Chemistry will start with a description of the Science of Chemistry, followed by a review of the scientific method; physical and chemical changes; and the metric system. A more detailed study of the following topics will occur:atomic theory and structure; types of electron notations; periodic trends; bonding; naming and writing chemical formulas; equation writing; gas laws; and the characteristic properties of solids and liquids. After successful completion of this course, the student has achieved the necessary basis for more advanced study of

		the subject teacher.	chemistry. A variety of experiments are performed during the laboratory periods, each of which emphasizes important principles learned in the class sessions. Students are teamed as partners and assigned a basic set of apparatus. A student's grade is based upon course work, laboratory work, and special projects, as well as the mid-term and final examination.
Honors Anatomy & Physiology	1 Credit	*Competency in Biology & Chemistry, as determined by the subject teacher.* *Open to students in Grades 11 & 12*	The major emphasis of this course will be to provide students with an in-depth understanding of the structure and function of the human body at a first-year college reading level. The principles and practices of the Massachusetts Common Core of Learning and the PALMS Practices Institute will be incorporated into the teaching methods. The organization of the human body, introductory biochemistry, cells, tissues, skin, skeleton, articulations and muscles will be covered during the first two marking terms. Nerves, endocrine system, cardiovascular, digestive, lymphatic, urinary and reproductive systems will be covered during the last two marking periods. Laboratory periods will involve the dissection of animals and animal organs. Whenever possible, alternatives will be offered to dissection. At least two research papers on related material will be required. Updated aspects of technology will also be incorporated. As they are made available. *Weighted grade GPA factor 1.1*
Circuits and Robotics	1 Credit	*Open to Students in Grades 9-12.*	Electricity is the form of energy that powers our modern society. This course is designed to give students a basic understanding of how electricity is used to run many of the common electronic devices we've come to depend on. Students will be introduced to the basic laws that explain electrical behavior and application in basic circuits. Areas of exploration will include constructing circuits, basic coding, constructing Arduino projects, basic logic coding for robotics, and constructing/ operating Tetrix robotics. Mathematics is the language of science and even though the course will offer heavy support on mathematical concepts it is assumed that the student has proficiency in basic algebra.
Introductory Physics	1 Credit	*Open to Students in Grades 10-12*	Physics is the study of how the universe operates, and forms the basis for most of the technology that we enjoy on a daily basis. This course is designed for students who are curious about physics and the possibility of pursuing a career in technical fields, but is looking for an avenue to explore these topics in an environment that is more conceptual in nature and not overly heavy with complex math. The course will cover the following topics: Describing

			Motion, Explaining Motion (forces), Two Dimensional Motion, Collisions, Heat and Energy Transfer, and Waves and Energy. Many hands-on laboratory experiences will be incorporated to support and enhance the understanding of the underlying physics concepts. Mathematics is the language of physics, and even though the course will offer heavy support on mathematical concepts it is assumed that the student has proficiency in basic algebra and geometry. *Textbook: Conceptual Physics (Paul G. Hewitt)*
Introduction Engineering	1 Credit	*Open to Students in Grades 9-12*	Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software.
Principles of Engineering	1 Credit	*Open to Students in Grades 9-12 and successful completion of Intro to Engineering*	Explore how modern engineers are helping improve the world through diverse engineering fields such as product design, robotics, mechanical design, infrastructure, and sustainability. Learn the principles of engineering as well as the cutting-edge tools of robotics, 3-D modeling, programming, and prototyping that engineers are using to solve problems today and for the future!
Computer Integrated Manufacturing	2 Credits	*Open to Students in Grades 10-12 and successful completion of Principles of Engineering*	Manufacturing transforms ideas into products. This course provides an opportunity for students to develop a better understanding of this innovative and exciting industry. Students learn about manufacturing processes, product design, robotics, and automation. Students develop their knowledge and skills of Computer Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Students apply the knowledge and skills gained in this course as they collaborate to design, build, and program factory system models
PLTW Capstone	1 Credit	*Open to Students in Grades 11-12*	PLTW Capstone is a capstone course for students who are completing any of PLTW's high school programs. It is an open-ended research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem.
Introduction to Botany and Plant Science	1 Credit	*Open to Students in Grades 11 & 12.*	The study of botany will focus on the study of plants and plant life, while plant science will focus on the ability to propagate plants for horticultural and agricultural purposes. Topics will include understanding, at the cellular and organismal level, bryophytes (mosses, liverworts,

			hornworts), seedless vascular plants (ferns), gymnosperms (plants containing seeds with no fruit like pine), Angiosperms (seeds enclosed in a fruit like apple trees). We will also investigate the growth, reproduction, anatomy, morphology, physiology, biochemistry, taxonomy, genetics, and ecology of plants. Labs will range from factors affecting plant productivity, to tasting different “fruits” to understand what part of the plant they are derived from.
Forensic Science	1 Credit	*Competency in Integrated Science & Biology, as determined by the subject teacher.* *Open to students in Grades 11 & 12*	Forensic Science is a hands-on, lab intensive course. Students will learn about basic techniques used by forensic scientists globally. Lab work and analytic thought are stressed throughout the course. Topics of study include the history of forensics; composition of crime lab, responsibilities of forensic scientists, fingerprints, hair and fiber evidence, trace evidence, DNA evidence, blood evidence, human remains, and handwriting analysis. Lab work will focus on the techniques discussed in each unit of study. Students will examine case studies and watch documentaries on real crimes and be asked to form their own conclusions based on the evidence presented. The student's grade will be determined based on their course work, laboratory work, a research paper, a case study project; midterm examination and a final examination.

World Language Department Courses

Graduation Requirements: *All courses will fulfill Language Art requirement for admittance to four year state universities.*

Course	Credit	Prerequisite	Description
Spanish I	1 Credit	*Open to students in grades 9-12*	Successful completion of this course should provide the student with the ability to understand, speak, read and write simple patterns of the language. Vocabulary and grammar structure patterns are introduced gradually and with concentrated practice. Classroom activities which actively engage the students in a variety of meaningful tasks help to establish and reinforce the language. Visual materials, and independent readings and projects help to introduce the student to the Spanish-speaking world and culture. As the student develops proficiency during the course of the year; spontaneous and creative use of the language is expected and encouraged.
Spanish II	1 Credit	*Competency in Spanish I, as determined by the subject teacher.*	This course continues to develop and expand those language skills attained in Spanish I. Vocabulary is extended and language structure becomes more complex. At this level, students begin to be able to interact with the teacher and each other in the target language. Student to student interaction in a variety of meaningful language tasks simulate day to day life in the target language. The student is expected to complete more frequent and extensive reading selections. Cultural insights are enhanced through outside readings, supplemental audio-visual materials, and exercises from the text.
Spanish III	1 Credit	*Competency in Spanish II, as determined by the subject teacher.*	Building on the skills and knowledge developed in previous levels, students in Spanish III refine their language skills to the point where they can consistently participate actively in a variety of activities conducted exclusively in the target language. Student to student verbal interaction becomes more complex and more realistically simulates life in the target culture. At this level, students are expected to be able to handle problems or complications arising out of typical daily life in the target language and within the constraints of the target culture. Progressively longer and more complex readings provide the students with significant additional cultural information, as well as serving as the basis for classroom discussion and analysis in the target language.

AP Spanish Lit	1 Credit	*Competency in Spanish III, as determined by the subject teacher.*	In this course, students broaden their language base by learning to express and support their preferences and opinions about familiar topics and areas of interest. Students' verbal interaction expands from the simply reactive process of responding to a query or expressing a basic need to the proactive process of initiating conversation about more abstract concepts. Students are expected to progress beyond simple expression of immediate needs and desires to expression of ideas and opinions with substantiation. Complexity and diversity of readings continues to increase as students develop the ability to extract factual information and main ideas from selected unabridged texts of literary, historical, art or informational nature. Discussions of literary works provide a basis for deeper understanding of cultural concepts encountered previously. *Weighted grade GPA factor 1.1* (NOTE: This Course is run every other year beginning with odd years)
AP Spanish Lang.	1 Credit	*Competency in Spanish III, as determined by the subject teacher.*	This level five course will allow students to extend their language studies to higher proficiency levels. Through a study of Latin America, students will hone their language skills and enhance their cultural awareness. This course will encompass historical literary and journalistic readings, videos featuring authentic footage from the Hispanic world, and classroom discussions and presentations based on the materials read and viewed. In addition to gaining an understanding of historical events and current political and social issues, students will learn about the major protagonists in politics, the arts and entertainment in the Hispanic world This course is ideal for students who want to enhance their linguistic skills and cultural knowledge as well as those who wish to gain an understanding of contemporary Latin America. *Weighted grade GPA factor 1.1* (NOTE: This Course is run every other year beginning with even years)
Online Language	1 Credit	*Open to students in grades 9 - 12.*	Through our contracted, online vendor, students can elect to take French or another world language online. Learning a foreign language online is not for everyone and does require a great deal of independence and dedication since there is not a teacher presenting this material to you on a daily basis. Students will be required to complete both written and oral assignments.

Physical Education/Health Department Courses

Graduation Requirements: *Health 9, Health 10, Physical Education 9, Physical Education 10, Physical Education 11/12 twice (or once with a Physical Education waiver).*

Course	Credit	Prerequisite	Description
Health 9	.5 credit/ alternates with PE 9		Students will build skills and knowledge in the following health units: Effective communication - Relationships: family, friendship, and dating- Reproductive decisions: abstinence, contraceptives and abortion- Universal health issues: communicable diseases, epidemic and pandemic- Social/Civic responsibility: 6 pillars of character, community services learning projects- Nutrition: nutrients, dietary choices, maintaining healthy weight and food preparation. Teacher lectures, co-operative groups, individual internet research, and a wide range of audio-visual materials are among the tools used to promote discussion and knowledge related to health literacy. Students are evaluated by written quizzes, individual and group projects as well as homework assignments that are unit related. Students are required to complete two hours of community service-reflective writing to follow and will research topics surrounding nutrition for their final
Health 10	.5 credit/ alternates with PE 10	Successful completion of Health 9 & PE 9	The focus of this course is to provide students with information that can be used readily and in the future surrounding healthy lifestyle choices. It will also support and help prepare students for the anatomy and physiology standards in preparation for the biology MCAS test. While learning about the different body systems, students will be able to identify non-communicable diseases and its relationship to lifestyle choices. Students will learn to evaluate media and understand the 5 core concepts of media as it affects our decisions and our beliefs systems. Build skills to identify mental health disorders and activities that will help build resilience, when dealing with stressors of life will be practiced There will be weekly reading assignments on health issues, while encouraging students to synthesize as well as apply this information in their daily practices. Teacher lectures, group activities, using technology to research health topics, and varied audio-visual materials will be used to spark discussion and support learning. Students are evaluated using an assortment of assessments- quizzes, pretest and posttest; homework writing assignment; classwork and individual as well as group projects/ class participation.

<table>
<tr><td>Physical Education 9</td><td>.5 credit/ alternates with Health 9</td><td></td><td rowspan="3">All students are required to participate in Physical Education. A note from a parent; doctor, or nurse is necessary should a student be unable to actively participate.
Student attire for class should consist of a tee shirt/sweatshirt; shorts/pants, and sneakers.
Physical Education is required in grades 9 and 10. Students meet on alternating days for one semester.
Physical Education is required for both 11th and 12th grade. Students meet every day for one semester. All students must pass Physical Education. Students who do not pass for the year must repeat the class the following year. Students can waive one semester of grade 11 or 12 Physical Education if they participate in a varsity sport or other organized physical activity. A form must be completed in order to obtain a waiver. Students should see their counselor for specific details.
A Sport folio Program is offered as part of the Physical Education Curriculum. This written work is to be completed during class time. The intent of the program is to provide students who are unable to actively participate in class the opportunity to earn participation points.
Physical Education Activities include:
● Badminton
● Fitness testing
● Pickleball
● Project Adventure
● Softball
● Volleyball
● Basketball
● Archery
● Ping Pong
● Disc Golf
● Ultimate Frisbee
● Weight Training</td></tr>
<tr><td>Physical Education 10</td><td>.5 credit/ alternates with Health 10</td><td>Successful completion of PE 9 & Health 9</td></tr>
<tr><td>Physical Education 11/12</td><td>1 Credit</td><td>Successful completion of PE 9 & PE 10</td></tr>
</table>

Medical Assistant 1	1 Credit		By the end of the freshman year, students will have a strong foundation in healthcare and be prepared to advance to more complex skills in their sophomore year. Topics include ● **Infection Control:** Understanding and practicing proper infection control techniques, including hand hygiene, glove use, and aseptic technique. ● **Patient Safety:** Learning about patient safety measures, such as fall prevention and the use of assistive devices. ● **Basic Patient Care:** Performing basic patient care tasks, including bathing, grooming, and positioning. ● **Communication Skills:** Developing effective communication skills to interact with patients, families, and healthcare professionals. ● **Medical Terminology:** Learning medical terminology to understand and communicate effectively in healthcare settings. ● **Documentation:** Understanding the importance of accurate and timely documentation. ● **Ethical Considerations:** Understanding the ethical principles that guide healthcare practice. ● **Home Health Care:** Learning about the role of a Home Health Aide and the specific skills required for home care.
Medical Assistant 2	1 Credit	Prerequisite - Successful Completion of Medical Assistant 1	By the end of the sophomore year, students will have the skills and knowledge to provide quality patient care in a variety of healthcare settings. Topics include: ● **Vital Signs:** Measuring blood pressure, temperature, pulse, and respirations. ● **Personal Care:** Assisting with bathing, grooming, and dressing. ● **Feeding:** Assisting with feeding and hydration. ● **Ambulation and Transfer Techniques:** Assisting patients with walking, transferring, and positioning. ● **Specimen Collection:** Collecting urine, stool, and other specimens. ● **Effective Communication:** Interacting with patients, families, and healthcare team members. ● **Documentation:** Accurately documenting patient care activities in medical records. ● **Infection Control:** Practicing proper infection control techniques, including hand hygiene, glove use, and aseptic technique. ● **Patient Safety:** Implementing safety measures to prevent accidents and injuries. ● **Body Mechanics:** Using proper body mechanics to prevent injury to oneself and patients.

Medical Assistant 3	2 Credits	Prerequisite - Successful Completion of Medical Assistant 2	By the end of the junior year, students will be well-prepared to sit for the state Certified Nursing Assistant (CNA) exam and enter the workforce. They will have the skills and knowledge to provide quality patient care in a variety of healthcare settings. Topics include: ● **Wound Care:** Providing basic wound care, including dressing changes and wound irrigation. ● **Medication Administration:** Assisting with medication administration under the supervision of a licensed nurse. ● **Tracheostomy Care:** Providing tracheostomy care, including suctioning and cleaning. ● **Catheter Care:** Providing catheter care, including insertion, maintenance, and removal. ● Blood draws ● Understanding the challenges of dementia and Alzheimer's disease. ● Implementing strategies to communicate effectively with individuals with dementia. ● Providing appropriate care and support to individuals with dementia. ● Understanding the principles of home healthcare. ● Providing basic home health services, such as personal care, meal preparation, and light housekeeping.
Medical Assistant 4	2 Credit	Prerequisite - Successful Completion of Medical Assistant 3	The senior year curriculum consists of Cooperative job placement or Clinical Placement. Students who meet the school's eligibility requirements and have passed the CNA certification test may obtain a Co-op job working as a CNA in an Assisted Living Center, Long Term Care Facility, Adult Day Care Center, or in a hospital acute care setting. Long Term Care Facility, or an Adult Day Care Center. Students, who are not eligible to obtain a Co-op job, will obtain work experience at an assigned unpaid placement site. Possible Certifications: ● OSHA 10 Healthcare ● American Red Cross CPR/First Aid ● American Heart Association HeartSaver ● Alzheimer's Care Provider ● Home Health Aid (HHA) ● Certified Nurse Assistant (CNA) ● Dementia Certification ● Babysitting Certification ● Medical Assistant (RMA)
Family & Consumer Science Department Courses **Graduation Requirements:** *All courses fulfill an Applied Art credit requirement.*			
Course	**Credit**	**Prerequisite**	**Description**

Child Development	1 Credit	*Open to students in grades 11 and 12 with Competency in Health 9 & 10, as determined by the subject teacher.*	This course will give students hands-on experience working with our Preschool Program at Quarry Hill Community School. Students will alternate going to QH working with the preschool class and on the opposite day will have classroom instruction with information to support the understanding of child development. Topics of study will include effective parenting skills and the ability to identify physical emotional and intellectual development from infancy through preschool age. Explore and understand how family issues such as teen pregnancy, family planning, family changes due to divorce, illness and death and how it can impact children. Teacher lectures, textbooks, multimedia material, child visitations and working with our preschool students will promote and support the importance of child development in our society. Grading will be based on quizzes, tests, individual and group projects, observation skills and appropriate behaviors/interactions with our preschool students.
Foods and Nutrition	1 Credit	*Open to students in grades 11 and 12 with Competency in Health 9 & 10, as determined by the subject teacher.*	Discover the benefits of good nutrition. As part of your study of foods, you will learn more about good nutrition and how to make wise food choices. Areas of study include: low fat alternatives to traditional baked goods, fruits and vegetables, dairy products and eggs, meat, fish and poultry, and combination foods such as sandwiches, casseroles, salads and dressings, and soups and sauces. Also included will be basic meal planning in which a full course meal will be prepared and served. Grading will be based on quizzes, tests, a quarterly project; lab performance, attitude and cooperation. The workload is a combination of kitchen laboratory work and classwork assignments. Students will also utilize computer software programs on nutrition.
Family Living	1 Credit	*Open to students in grades 11 and 12 with Competency in Health 9 & 10, as determined by the subject teacher.*	The focus of this course is on the different relationships people have throughout their lives: self, friends, family, and romantic relationships. The course begins with students learning an understanding of themselves and how they need to learn to accept themselves to give their best potential in other relationships. Teacher lectures, group activities, and individual Internet research is used to promote discussion and knowledge of these different relationships.

Business Department Courses

Graduation Requirements: *Personal Finance required in grade 12. All courses fulfill an Applied Art credit*

requirement.			
Course	**Credit**	**Prerequisite**	**Description**
Accounting I	1 Credit	*Open to: Students in grades 9-12.*	This course is designed to introduce students to the work of Accounting. The course covers journals, ledgers, and financial reports used by individuals and companies every day. Once students gain familiarity with the Accounting Cycle, they will be utilizing Google Sheets I to perform the accounting process. We will also be studying cases obtained from the internet for selected units. Students who score better than an 87 in this course may be eligible for credit through HCC as this course is articulated through HCC and a part of our Early College Pathway.
Entrepreneurship	1 Credit	*Open to: Students in grades 9-12.*	This course is designed to help students understand what it is like to be an Entrepreneur and start their own business. Students will come up with an idea for a business, develop a business plan and have an opportunity to participate in the selling, managing, advertising, and decision-making of their own business. Students will utilize software applications as well as the internet to aid in the development of their own businesses. We will also study existing local and national companies and cases that relate to specific business problems and situations. Students who score better than an 87 in this course may be eligible for credit through HCC as this course is articulated through HCC and a part of our Early College Pathway.
Marketing	1 Credit	*Open to: Students in grades 9-12.*	This course is designed to introduce students to the exciting work of Marketing. Throughout the course, the seven functions of marketing will be covered through the use of case studies, simulations, book work, internet research, and guest speakers. These seven functions include product/service management, promotion, selling, pricing, financing, marketing information, and product distribution. Students will create their own "product" and develop it through each of these marketing functions. Students will learn how marketing affects everyone on a daily basis and become more aware of the marketing forces that surround them everywhere. Students who score better than an 87 in this course may be eligible for credit through HCC as this course is articulated through HCC and a part of our Early College Pathway.
Personal Finance	1 Credit	*Open to students in Grade 12 only.*	This course is designed to teach students the ways to be a smart consumer, as well as how our economy works. Students will learn how to evaluate investment options based on their projected income using Personal Income

			Analysis, Checking & Savings Accounts, Budgets, Credit, Consumer Protection, Rent, Taxes, and Financing New Homes & Cars. Students will learn how to research financial structures like the Stock Market including the Dow Jones & Nasdaq, Bonds, Mutual Funds, IRA's, Investment & Financial Scams, Con-Artists, Fraud, and Securities in order to make informed financial decisions that will affect them now and in their future. Students will also gain exposure to actual companies and their resources through guest speakers from the financial world. Students who score better than an 87 in this course may be eligible for credit through HCC as this course is articulated through HCC and a part of our Early College Pathway.
Yearbook	1 Credit	*Open to: Students in grades 9-12.*	Yearbook is a course designed to empower students in the production of the Equis, the Monson High School yearbook. This course is designed to develop students' skills in yearbook production by providing experiences in all aspects of it. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production. Production budgets, financing and marketing are also a big part of the course. Students will learn to and be expected to meet deadlines, successfully work as a team, and engage with the public in a professional manner. Students enrolled in this course will need to attend events, take photos and work after school hours as needed.

Computer Science Department Courses **Graduation Requirements:** *All courses fulfill an Applied Art credit requirement.*			
Course	**Credit**	**Prerequisite**	**Description**
Drones - Unmanned Aerial Vehicles	1 Credit	*Open to students in grades 10 through 12*	This course explores a wide variety of subjects through the lens of understanding and developing a particularly useful, popular, and fun technology. Students will start by learning how unmanned aerial vehicles—drones—are used for a wide variety of purposes, basic parts of a drone, interacting with real drones and comparing them to flying organisms, such as bats, birds, and even dinosaurs. Students will then learn the basic principles of aerodynamics. Students will then explore other types of unmanned vehicles, including submersibles, and consider legal and ethical questions around this type of technology.
Computer Programming	1 Credit	*Open to students in grades 11 and 12 with Competency in Algebra I (grade 75 or higher), as determined by the subject teacher.*	This course is an introduction to computer science and software engineering for all students interested in developing software applications, not just using them. Through a project-oriented approach, students will explore a variety of programming systems and languages to create interactive applications and systems. By collaborating in a hands-on environment, students will learn problem-solving, software design, debugging strategies, and the foundations of computer science (data structures, procedures, and algorithms). Students will work on projects (both individual and team) in the areas of web page design, python, MIT App Inventor, SNAP and other programming languages as time allows.
Computer Science Principles	1 Credit	*Open to students in grades 9-12*	Computer Science Principles introduces students to the central ideas of computer science. The curriculum provides a pathway for all students to consider studies in computer science. The course is designed around 6 Big Computing Ideas. Big Idea One: Creativity, Big Idea Two: Abstraction, Big Idea Three: Data and Information, Big Idea Four: Algorithms, Big Idea Five: Programming, Big Idea Six: The Internet. Although programming is one of the big ideas, it is not a programming centric course. To appeal to a broader audience, including those often underrepresented in computing, this course highlights the relevance of computer science by emphasizing the vital impact advances in computing has on people and society.

Digital Movie Production	1 Credit	*Open to students in grades 10 - 12 with Competency in Computer Applications*	Digital Movie Production is a hands-on, project-based class designed to provide students with creative and practical avenues to gain a fundamental background in the fields of video, audio production, and film production. In addition, this course provides instruction, practical training, and opportunities for experience in the pre-production, production and post-production phases of development for a wide variety of projects. Students who are potentially interested in pursuing a career in any entertainment or media, sound design, audio and/ or video production, cinematography, and film scoring, will have opportunities to explore and experience the many roles involved in the creation of such productions.
Computer Applications	1 Credit	*Open to students in grades 9-12*	This is an introductory course designed to provide an overview of computer hardware and software. Concepts including file management, internet, email operating systems, word processing, spreadsheets, presentations, and databases will be covered. Students who score better than an 87 in this course may be eligible for credit through HCC as this course is articulated through HCC and a part of our Early College Pathway.

Performing Arts Department Courses **Graduation Requirements:** *All courses fulfill a Fine Art credit requirement.*			
Course	**Credit**	**Prerequisite**	**Description**
Band	1 Credit	*Open to students in grades 7-12*	This course is available to anyone who wishes to learn a woodwind, brass or percussion instrument. Previous musical experience or classes are preferable but not required. Emphasis will be placed on ensemble skills, exposure to literature, personal instrument development and musical skills, including music theory. A focus on traditional and contemporary band literature as well as different styles from the eras of music will be explored. Students will participate in several concerts throughout the school year as well as have the opportunity to participate in regional festivals, community bands and other events. Students are able to participate in Band multiple years.
Chorus	1 Credit	*Open to students in grades 7-12*	This course is for students interested in the performance and development of vocal music. Previous musical experience or classes are preferable, but not required. Emphasis is placed on the development of vocal technique (i.e.: tone production, diction, etc.), sight singing and music theory. Students will participate in several concerts, as well as have the opportunity to participate in regional festivals, community bands, and other events. Students are able to participate in Chorus multiple years.

Visual Arts Department Courses **Graduation Requirements:** *All courses fulfill a Fine Art credit requirement.*			
Course	**Credit**	**Prerequisite**	**Description**
Drawing	1 Credit	*Open to students in grades 9-12.*	Designed for students who have an interest in drawing, as well as for students proficient in drawing, who would like to develop their skills further. Based primarily on drawing from observation, the subject areas are as follows: still life, perspective, figure and landscape. Design elements and principles are built-in to these subjects, and specific study of composition will be practiced. Many drawing materials will be explored. Students are required to bring a sketchbook for homework purposes.
Ceramics	1 Credit	*Open to students in grades 9-12.*	Ceramics is designed to introduce students to the basic ceramic techniques of pinch, slab, coil, wheel, and modeling. Students will be encouraged to use these methods to design and construct functional and decorative pieces. Students will also be exposed to various glazing techniques, kiln operations and clay recycling. Ceramic history will be explored. Students are required to bring rags, a small kitchen size garbage bag. A notebook or three ring binder for storing reference papers is required.
Mixed Painting	1 Credit	*Competency in Drawing 1, as determined by the subject teacher.*	Designed for those students who have an interest in exploring various painting mediums, this course will offer a chance to paint with watercolor, gouache, acrylic and mixed media. Throughout the course, students will be introduced to painting history, techniques in painting, and critiquing their work. Students are required to bring a Watercolor Pad and a Sketchbook, and also a Set of Watercolors.
Oil Painting	1 Credit	*Competency in Drawing 1, as determined by the subject teacher.*	Designed for those students who would like to focus on oil painting, in depth. Throughout the course, students will be introduced to painting history, techniques in painting, and critiquing their work. Students are required to bring a Sketchbook, and Canvases including the sizes: 8X10, 11X14, 16X20, and rags.
AP Art 3D	1 Credit	*Open to students in grades 9-12.*	In AP 3-D Art and Design, you'll use the skills you learn in the course, and your own ideas, to create unique works of art. Throughout the course, you'll develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating 3-D art and design skills through sculpture, architecture, jewelry, fashion and apparel design, bookmaking, game design, interior design, fibers, and others.

ENGLISH

- ☐ English 9 / Honors
- ☐ English 10
- ☐ AP Seminar
- ☐ AP Literature/Language
- ☐ Psych of Lit H
- ☐ Shakespeare H
- ☐ Mass Media/Speech
- ☐ Creative Writing *
- ☐ Drama *
- ☐ Film As Lit *
- ☐ Journalism *
- ☐ Lit of Fantastic
- ☐ Sports Lit
- ☐ World Mythology

SOCIAL STUDIES

- ☐ World History / H
- ☐ U.S. History I
- ☐ U.S. History II
- ☐ AP U.S. History
- ☐ Government
- ☐ Military History
- ☐ History of Monson

MISCELLANEOUS

- ☐ Dual Enrollment
- ☐ Independent Study
- ☐ Online Learning
- ☐ Strategy Lab
- ☐ Work Based Learning
- ☐ Early College

+Applied Art

* Fine Art

^Language Art

MATH

- ☐ Algebra I / Honors (9th)
- ☐ Algebra I / Honors
- ☐ Algebra II / Honors
- ☐ Pre-Calc
- ☐ AP PreCalculus
- ☐ AP Calculus
- ☐ Stats & Prob

SCIENCE

- ☐ Physical Science/ H
- ☐ Biology / H
- ☐ Environmental Science
- ☐ Chemistry
- ☐ Anat & Phys H
- ☐ Forensics
- ☐ Circuits&Rob
- ☐ Intro Physics
- ☐ Intro Engineering
- ☐ Intro Botany
- ☐ Principles of Engineering
- ☐ Computer Integrated Manufacturing
- ☐ Civil Engineering
- ☐ PLTW Capstone

HEALTH

- ☐ Health 9
- ☐ Health 10
- ☐ Medical Asst. I
- ☐ Medical Asst. II
- ☐ Medical Asst. III
- ☐ Medical Asst. IV

PHYSICAL EDUCATION

- ☐ PE 9
- ☐ PE 10
- ☐ PE 11/12
- ☐ PE Waiver

FAM & CONSUMER SCI +

- ☐ Family Living
- ☐ Foods & Nutrition
- ☐ Child Development

WORLD LANGUAGES ^

- ☐ Spanish I
- ☐ Spanish II
- ☐ Spanish III
- ☐ AP Spanish Literature/Language
- ☐ Online Language

BUSINESS +

- ☐ Accounting I
- ☐ Entrepreneurship
- ☐ Marketing
- ☐ Personal Finance
- ☐ Yearbook

COMPUTER SCIENCE +

- ☐ Computer Apps
- ☐ Computer Sci Princ
- ☐ Computer Program
- ☐ Drones
- ☐ Digital Movie Production

PERFORMING ARTS *

- ☐ Band

VISUAL ART *

- ☐ Drawing
- ☐ Ceramics
- ☐ Mixed Painting
- ☐ Oil Painting
- ☐ AP Art 3D
- ☐ Art Portfolio