

# PRINCIPAL'S MESSAGE

Dear Students,

The revised 2020 - 2021 Program of Studies is designed to assist you to achieve your goals, strengthen your thinking and work ethic, and to assist you in problem-solving, resiliency, and succeed in whatever path you choose. Please align your course offerings with the goals that you, your families, and your guidance counselors have set. It is critically important that you have a clear understanding of the requirements of the college, career, or military branch that you are pursuing. Please review your selections with your family/support system to ensure they are specifically directed towards your respective post-high school goals.

We have increased our expectations and graduation requirements to match the increase in classes taken, and the increase in acceptance in colleges and universities. It is our responsibility to put you in the best position possible to reach your goals. We believe that all students can achieve at the highest of levels. Effective effort and hard work, not innate intelligence, is the ultimate determiner of lifelong success.

Once you have made your selections, you will meet with your guidance counselor to review these. That process will include: discussing your future goals, ensuring that your selections best match those goals, and reviewing your path to graduation. Please let us know how we can best support your choices and the goals that you have set.

Best of Luck in this endeavor and know that we will support you in any way we can to assist you in achieving success at the highest level.

Jeffery Sylvia  
Principal

# TABLE OF CONTENTS

Principal's Message.....	1
Mission Statement/Learning Expectations .....	3
Rubrics .....	4
Demographic Profile .....	8
General Information.....	9
Course Selection Process.....	9
Course Credits .....	9
Graduation Requirements .....	10
Prerequisites.....	10
Course Levels .....	10
Course Changes .....	11
Cancellation of Courses.....	11
Advanced Placement Exams.....	12
Marking System.....	12
Class Standing .....	12
Admission Requirements for State Colleges and Universities.....	13
Minimum Academic Course Requirement.....	13
Minimum Required Grade Point Average (GPA).....	14
SAT Scores.....	14
Sliding Scale.....	14
Class Rank Weighting Matrix.....	15
Art.....	16
Business Applications and Technology.....	19
English .....	22
Foreign Language .....	27
Mathematics.....	31
Music.....	36
Physical Education.....	41
Science.....	43
Social Studies.....	55
Technology Education .....	50
Grade 7 & 8 .....	62
Special Programs .....	66
Dual Enrollment Program.....	66
Independent Study .....	66
Resource Room.....	66
Guidance and Student Support Services.....	67
Grade Level Academic Planning Worksheets	

## MISSION STATEMENT

At East Bridgewater Junior-Senior High School, our mission is to create a positive learning environment in which all members work collaboratively to pursue excellence and to maintain high standards in academic and civic pursuits, and in which all members promote respect for others, develop skills in a variety of disciplines, and encourage life-long learning.

## LEARNING EXPECTATIONS

Upon graduation from East Bridgewater Junior-Senior High School students should be able to :

1. Acquire information through reading, listening, and observing.
2. Communicate through speaking, writing, the arts, and other means of expression.
3. Demonstrate high-level thinking skills.
4. Identify, define, analyze, and solve problems.
5. Use technology relevant to today's world.
6. Demonstrate the qualities of good citizenship and value participation in school and community activities.
7. Exhibit appropriate personal and social behavior.

Together  
Everyone  
Achieves  
More

## East Bridgewater Junior-Senior High School

There is no better place to learn.

**Learning Expectation #1: Acquire information through reading, listening and observing**

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
1 <i>Acquire information through reading, listening and observing</i>				
1.1 <i>Reading</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
1.1a	Shows an exemplary reading vocabulary and understanding of words that include being able to combine parts, ideas or related information to create a whole; ability to produce original communication that takes parts of information to create a new whole	Shows an appropriate reading vocabulary and understanding of words that include applying words mastered in one area to a similar but novel situation	Shows an acceptable reading vocabulary and understanding of words, facts, ideas and meaning	Shows a minimal reading vocabulary and understanding of words by recognition or recall of basic concepts and terms
1.1b	Understand concrete and abstract ideas that enable the student to make predictions based on information or solve a problem using several sources	Understand concrete and abstract ideas that enable the student to use previously learned information in a meaningful way.	Understand concrete and abstract ideas that enable the student to organize learned material, rephrase it, or describe it in his/her own words.	Limited understanding of concrete and abstract ideas, based primarily upon stated facts and concepts.
1.1c	Ability to evaluate critically an author's purpose, theme and technique or make a judgment or give an opinion based on pre-developed criteria; judge the merits of an idea, solution or aesthetic work	Ability to evaluate critically an author's purpose, theme and techniques by breaking apart a work; examine its components, identify reasons, causes and motives; consider available evidence to reach a conclusion, inference, or generalization	Ability to evaluate critically an author's purpose, theme and techniques based primarily on concrete facts, rather than upon inferences	Little or no ability to evaluate critically an author's purpose, theme and techniques
1.2 <i>Listening</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
1.2a	Always accurately restates and summarizes information presented orally	Usually accurately restates and summarizes information presented orally	Generally correct when restating and summarizing information presented orally	Has difficulty restating information presented orally
1.2b	Listens actively and solicits the ideas of others	Listens to the ideas of others	Selectively listens to the ideas of others	Rarely listens to the ideas of others
1.2c	Correctly identifies and uses vocabulary specific to information communicated	Correctly identifies and uses some of the vocabulary specific to information communicated	Identifies vocabulary specific to information communicated	Identifies some vocabulary specific to information communicated
1.2d	Independently establishes and uses criteria to evaluate oral communication	Independently uses criteria to evaluate oral communication	Uses criteria to evaluate oral communication	Rarely uses criteria to evaluate oral communication
1.3 <i>Observing</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
1.3a	Describes phenomena completely using conventional terms	Describes phenomena in general using conventional terms	Describes phenomena in general and uses some conventional terms	Has difficulty describing phenomena completely using conventional terms minimally
1.3b	Observes intently and always uses multiple senses and techniques to acquire data	Observes attentively and often uses multiple senses and techniques to acquire data	Observes selectively and seldom uses multiple senses and techniques to acquire data	Observes with minimal attention and rarely uses multiple techniques to acquire data
1.3c	Independently analyzes data and makes generalizations supported by data	Independently analyzes data and makes generalizations	Analyzes data and makes generalizations	Occasionally analyzes data and makes generalizations partially supported by data

**Learning Expectation #2: Communicate through speaking, writing, the arts and other means of expression**

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
2 <i>Communicate through speaking, writing, the arts and other means of expression</i>				
2.1 <i>Speaking</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
2.1a	Extraordinary confidence, clarity, and awareness of purpose	Considerable confidence, clarity, and awareness of purpose	Satisfactory confidence, clarity, and awareness of purpose	Limited confidence, clarity, and awareness of purpose
2.1b	Commendable organization, transitions and relevant examples	Significantly well-organized with transitions and relevant examples	Suitable organization, transition and relevant examples	Basic organization, transitions and relevant examples
2.1c	Always listens and solicits the ideas of other's aesthetic work	Nearly always listens and solicits the ideas of other's conclusions, inferences, or generalizations	Listens and solicits the ideas of others most of the time	Occasionally listens and solicits the ideas of others
2.2 <i>Writing</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
2.2a	Ability to organize compositions with clear ideas and supporting details is extraordinary	Ability to organize compositions with clear ideas and supporting details is considerable	Ability to organize compositions with clear ideas and supporting details is satisfactory	Ability to organize compositions with clear ideas and supporting details is negligible
2.2b	Ability to maintain the reader's interest with sentence variety, rich vocabulary and control of grammar; punctuation and spelling is commendable	Ability to maintain the reader's interest with sentence variety, appropriate vocabulary and good control of grammar; punctuation and spelling is extensive	Ability to maintain the reader's interest with sentence variety, acceptable vocabulary and control of grammar; punctuation and spelling is adequate	Negligible ability to maintain the reader's interest with sentence variety, vocabulary and control of grammar; punctuation and spelling is marginal
2.2c	Writing shows the ability to combine ideas or related information to create a new whole, produce original writings, or make predictions based on several sources	Writing shows the ability to use previous learning to similar but novel situations to solve problems	Writing shows basic comprehension of information through the ability to rephrase or describe in his/her own words	Writing shows recognition and recall of basic concepts and information
2.2d	Writing shows the ability to make judgements or form opinions validated by supporting details	Writing shows the ability to break down and examine components, identify causes and consider supporting evidence in order to reach a generalization	Writing shows the basic ability to break down and examine components, identify causes and consider supporting evidence in order to reach a generalization	Writing shows limited ability to break down and examine components, identify causes and consider supporting evidence in order to reach a generalization
2.3 <i>The Arts</i>				
	Level #4 Exemplary	Level #3 Appropriate	Level #2 Acceptable	Level #1 Minimal
2.3a	Rich knowledge and understanding of the historical and cultural context of the arts in any given discipline	Considerable knowledge and understanding of the historical and cultural context of the arts in a given discipline	Adequate knowledge and understanding of the historical and cultural context of the arts in a given discipline	Limited knowledge and understanding of the historical and cultural context of the arts in a given discipline
2.3b	Extraordinary understanding and appreciation for the different art forms in terms of their aesthetic value	Ample understanding and appreciation for the different art forms in terms of their aesthetic value	Satisfactory understanding and appreciation for the different art forms in terms of their aesthetic value	Negligible understanding and appreciation for the different art forms in terms of their aesthetic value
2.3c	Consistent understanding of the conceptual and expressive elements in an artistic medium	Significant understanding of the conceptual and expressive elements in an artistic medium	Understanding of the conceptual and expressive elements in an artistic medium is generally correct	Basic understanding of the conceptual and expressive elements in an artistic medium

**Learning Expectation #3: Demonstrate high-level thinking skills**

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
3 <i>High-level thinking</i>				
	<b>Level #4 Exemplary</b>	<b>Level #3 Appropriate</b>	<b>Level #2 Acceptable</b>	<b>Level #1 Minimal</b>
3.1	Ability to integrate concepts, analyze problems, make reasonable conjectures and evaluate results independently with minimal teacher direction and input	Ability to integrate concepts, analyze problems, make reasonable conjectures and evaluate results independently with limited or some teacher direction and input	Ability to integrate concepts, analyze problems, make reasonable conjectures and evaluate results independently with considerable teacher direction and input	Ability to integrate concepts, analyze problems, make reasonable conjectures and evaluate results independently with constant teacher direction and input
3.2	Consistent consideration of multiple strategies for solving problems while supporting the choice with reasoning and appropriate representation	Significant ability to consider multiple strategies for solving problems while supporting the choice with reasoning and appropriate representation	Adequate ability to consider multiple strategies for solving problems while supporting the choice with reasoning and appropriate representation	Minimal ability to consider multiple strategies for solving problems while supporting the choice with reasoning and appropriate representation
3.3	Commendable application of the inductive and deductive reasoning skills	Substantial ability to apply inductive and deductive reasoning skills	Satisfactory ability to apply inductive and deductive reasoning skills	Nominal ability to apply inductive and deductive reasoning skills
3.4	Extraordinary aptitude and interest for learning concepts and theory	Considerable aptitude and interest for learning concepts and theory	Suitable aptitude and interest for learning concepts and theory	Basic aptitude and interest for learning concepts and theory

**Learning Expectation #4: Identify, define, analyze and solve problems**

- **Identify** – to ascertain the origin, nature, or characteristics of; synonyms: diagnose, distinguish, pinpoint, place, and recognize
- **Define** – to make distinct, clear, or detailed in outline; synonyms: prescribe and assign
- **Analyze** – to study or determine the nature or relationship of the parts by analysis; synonyms: breakdown, dissect
- **Solve** – to find an answer or solution for; synonyms: resolve or work out

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
4 <i>Problem Solving</i>				
	<b>Level #4 Exemplary</b>	<b>Level #3 Appropriate</b>	<b>Level #2 Acceptable</b>	<b>Level #1 Minimal</b>
4.1	Extraordinary skill in solving problems	Extensive skill in solving problems	Satisfactory skill in solving problems	Limited skill in problem solving
4.2	Consistent ability to analyze problems	Significant ability to analyze problems	Adequate ability to analyze problems	Basic ability to analyze problems
4.3	Commendable ability to identify and define problems	Considerable ability to identify and define problems	Suitable ability to identify and define problems	Marginal ability to identify and define problems
4.4	Shows ability to solve the problem using several sources	Shows ability to recognize reasons, causes and /or support solutions and conclusions	Shows ability to acquire a basic understanding of the facts and ideas surrounding a problem and bring about a solution	Shows ability to memorize, recall or recognize basic concepts in problem-solving with limited ability to apply these principles

**Learning Expectation #5: Use technology relevant to today's world**

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
5 <i>Technology</i>				
	<b>Level #4 Exemplary</b>	<b>Level #3 Appropriate</b>	<b>Level #2 Acceptable</b>	<b>Level #1 Minimal</b>
5.1	Uses technological resources in solving problems and tasks independently or with minimal teacher direction and input	Uses technological resources in solving problems and tasks with limited or some teacher direction and input	Uses technological resources in solving problems and tasks with considerable teacher direction and input	Uses technological resources in solving problems and tasks with constant teacher direction and input
5.2	Commendable level of creativity when integrating technology across the curriculum	Ample creativity when integrating technology across the curriculum	Creativity when integrating technology across the curriculum	Creativity when integrating technology across the curriculum is nominal
5.3	Consistent use of technology as a communication medium	Extensive use of technology as a communication medium	Adequate use of technology as a communication medium	Negligible use of technology as a communication medium
5.4	Ideal understanding of and adherence to the ethical and legal issues involved in the use of technology	Considerable understanding of and adherence to the ethical and legal issues involved in the use of technology	Satisfactory understanding of and adherence to the ethical and legal issues involved in the use of technology	Limited understanding of and adherence to the ethical and legal issues involved in the use of technology

Students reach designated levels of mastery by demonstrating one or more of the specified criteria.				
	<b>Level #4 Exemplary</b>	<b>Level #3 Appropriate</b>	<b>Level #2 Acceptable</b>	<b>Level #1 Minimal</b>
	Exemplary will be described by evidence of one or more of the following: <ul style="list-style-type: none"> <li>• Ideal</li> <li>• Commendable</li> <li>• Enriching</li> <li>• Consistent</li> <li>• Effective</li> <li>• Extraordinary</li> <li>• Advanced</li> <li>• Beyond expectations</li> <li>• Enriching</li> <li>• Always</li> <li>• Work independently with minimal teacher direction and input</li> <li>• Ability to reach synthesis level of mastery: combine parts, ideas, related information to create a whole; produce original communications, make predictions based on several bits of information, solve a problem using several sources, take parts of information to create a new whole</li> <li>• Ability to reach evaluation level of mastery; make a judgement or give an opinion about something based on</li> </ul>	Appropriate will be described by evidence of one or more of the following: <ul style="list-style-type: none"> <li>• Significant</li> <li>• Considerable</li> <li>• Ample</li> <li>• Extensive</li> <li>• Substantial</li> <li>• Successful</li> <li>• Nearly always</li> <li>• Works with limited and/or some teacher direction and input</li> <li>• Ability to reach application level of mastery: apply learning from one area to a similar but novel situation; use previously learned information to solve a problem</li> <li>• Ability to reach analysis level of mastery: take something apart and examine its components, identify reasons, causes, and motives; consider available evidence to reach a conclusion, inference or generalization; analyze a conclusion, inference or generalization to</li> </ul>	Acceptable will be described by evidence of one or more of the following: <ul style="list-style-type: none"> <li>• Satisfactory</li> <li>• Suitable</li> <li>• Adequate</li> <li>• Generally correct</li> <li>• Meaningful</li> <li>• Most of the time</li> <li>• Work with considerable teacher direction and input</li> <li>• Ability to reach comprehension level of mastery: have a basic understanding of facts, ideas and meaning; organize learned material, rephrase it, describe it in his/her</li> </ul>	Minimal will be described by evidence of one or more of the following: <ul style="list-style-type: none"> <li>• Negligible</li> <li>• Nominal</li> <li>• Limited</li> <li>• Basic</li> <li>• Rarely/occasionally</li> <li>• Some of the time</li> <li>• Work with constant teacher direction and input</li> <li>• Ability to reach knowledge level of mastery: memory, recall or recognize basic concepts and information</li> </ul>

DEMOGRAPHIC  
PROFILE

COMMUNITY

The town of East Bridgewater is located in southeastern Massachusetts, about half-way between Boston and Cape Cod, each of which is a thirty-minute drive away. The town borders the city of Brockton and the towns of Bridgewater, West Bridgewater, Whitman, Hanson, and Halifax. The population of 13,954 is supported by a local economy of small businesses and light industry and by occupational opportunities in Brockton, Boston, and other surrounding towns.

SCHOOL

East Bridgewater Junior-Senior High School was opened at its present site in 2013. Currently the school enrolls 1059 students in grades 7 - 12.

East Bridgewater Junior-Senior High School is accredited by the New England Association of Schools and Colleges and was last evaluated in 2006. The school offers a comprehensive curriculum in college preparatory, business education, and technology education areas. Advanced Placement courses are offered in English, U.S. History, mathematics, science, and art. To qualify for graduation students must accumulate a minimum of 110 credits in a system in which a year-long course earns 5.0 credits. Among the total credits students must pass 20 credits in English, 20 in math, 15 in social studies (10 of which must be U.S. History), 15 in science, and 10 in physical education. The school strongly recommends that college preparatory students considering very competitive colleges take four years each of mathematics, social studies, science, and a foreign language, as well as the required English.

East Bridgewater students with strong vocational education interests may elect to attend South-eastern Regional Vocational High School. College-bound students of high ability may have the opportunity to supplement their regular high school studies through two programs at Bridgewater State University, Stonehill College and Massasoit. Project Contemporary Competitiveness (PCC) is a six-week summer residential program for academically-talented students entering grades 9 and/or 10. Dual enrollment is a state-sponsored program offering our students the opportunity to earn both high school and college credit in courses not available within our program of studies.

**PLACEMENT - CLASS OF 2018**

Number of graduates	134	2-Year/Technology/Training	17%
Post-high school education total	86%	Employment	11%
4-year colleges	69%	Military	3%

# GENERAL INFORMATION

**COURSE  
SELECTION  
PROCESS**

Each student and his/her parent or guardian should become familiar with this general information section before beginning to plan next year's schedule.

When selecting subjects for the coming year, parents/guardians and students should take into careful consideration future goals, interests, talents, and abilities. School professional personnel, i.e. teachers and counselors, will also carefully review these course selections. We encourage students to challenge themselves in their level of courses. ***Please pay close attention to the prerequisites when selecting courses.***

1. Check the graduation requirements in the following sections. You must fulfill the necessary requirements if you wish to be in good academic standing.
2. With the help of your guidance counselor, teachers, and parents, fill out the course selection form online. This must be approved by you and your parent by the deadline, and then reviewed by your counselor.
3. Please note all prerequisites in Honors/AP courses. The Principal may make placement decisions when unusual circumstances arise with Guidance input. Students taking AP classes must sign and follow AP contract in order to stay in the class.
4. Select your courses carefully. Remember that the courses you select are only preferences. Due to scheduling conflicts it may not be possible to schedule every one of the courses. Be aware that you will not be allowed to change courses once your schedule has been set, except for emergency reasons approved by the school administration.
5. If you fail to make course selections, you will be scheduled into a program without your consent.
6. It is important that students and parents/guardians clearly understand that courses are being selected, NOT specific teachers.

**COURSE  
CREDIT**

A full year course is one that meets four times per eight day cycle for the whole year and earns 5 credits. All major subjects will be offered as full year courses. A semester course is one that meets four times per eight day cycle for one semester and earns 2.5 credits.

<b>COURSE CREDIT</b>	All students must sign up for 40 credits of coursework each school year.
<b>GRADUATION REQUIREMENTS</b>	<p>To be considered in good academic standing and on pace to graduate you need <b>110 TOTAL CREDITS</b></p> <p>20 credits in English  20 credits in Math  15 credits each: social studies (10 US history, 5 world), science  10 credits fine and/or applied arts (fine arts may include courses from music, drama, or visual arts. Applied arts may include, technology education and business).  10 credits physical education  20 credits from elective courses</p> <p><b>Minimum of 26 credits of coursework earned in grade 12. Please go to the following link for MCAS information for graduation:</b>  <a href="http://www.doe.mass.edu/mcas/graduation.html">http://www.doe.mass.edu/mcas/graduation.html</a></p> <p>To maintain good academic standing and remain on track to graduate, you should have accumulated the following:</p> <p>Grade 9: Minimum 26 credits (5 credits from grade 9 English and 5 credits of math)  Grade 10: Minimum 65 credits (English 9 &amp; 10; 10 credits from math, and 5 credits each from social studies, science, fine or applied arts and physical education)  Grade 11: Minimum 100 credits (15 credits English-9, 10 &amp; 11; 15 credits from math, and 10 credits each from social studies and science)</p>
<b>PREREQUISITES</b>	<p>For a student to <b>move from CP to Honors or AP level</b> classes they will be required to have 1) teacher recommendation and 2) final grade of <b>90</b>.</p> <p>A student who has the 90, but no teacher recommendation <i>OR</i> a student who has a teacher recommendation and a grade of 85-89 must have a change of rec form on file in Guidance.</p> <p>For a student to <b>remain in Honors level</b> (currently in Honors) they will be required to have 1) teacher recommendation and 2) final grade of <b>85</b>.</p> <p>A Student who has the 85, but no teacher recommendation <i>OR</i> a student who has a teacher recommendation and a grade of 80-84 must have a change of rec form on file in Guidance.</p> <p>For a student to <b>move from Honors to AP level classes</b> they will be required to have 1) teacher recommendation and 2) final grade of <b>90</b>.</p> <p>A Student who has the 90, but no teacher recommendation <i>OR</i> a student who has a teacher recommendation and a grade of 85-89 must have a change of rec form on file in Guidance.</p>

<b>COURSE LEVELS</b>	<p>High school courses are offered at three levels based on the following guidelines:</p> <p><b>COLLEGE PREPARATORY LEVEL</b>  Rigorous work load emphasizing outside reading, comprehension, analysis, and interpretation. Recommended for students with good reading and writing skills and ability who are motivated to achieve. Appropriate for enrollment in four-year college or university after graduation. Suggested maximum homework load per course: 30-45 minutes daily.</p> <p><b>HONORS LEVEL</b>  Intensive workload emphasizing outside reading, writing, and research projects, critical analysis, and interpretation. Involves working at an accelerated pace. Recommended for students who are able to work independently, who are highly motivated, and who have demonstrated ability in the subject area. Appropriate for four-year college or university after graduation. Suggested maximum homework load per course: one hour daily.</p> <p><b>ADVANCED PLACEMENT (AP) LEVEL</b>  Courses cover all of the areas described under the Honors Level in a more in-depth manner. Additional emphasis will be placed on students working at an accelerated pace, at a college level for college credit through completion of an AP exam in the course.</p>
<b>ADD/DROP</b>	<p><i>The guidance department will consider changes at the beginning of the school year (for full year and semester 1 courses) and the beginning of Semester 2 (for semester 2 courses only) for the following reasons:</i></p> <ul style="list-style-type: none"> <li>• Scheduling error</li> <li>• Failure to meet prerequisites</li> <li>• Students with incomplete schedules (Example: not enough subjects or subject area requirements for college or graduation requirements)</li> <li>• Students who need schedule changes because of summer school work</li> <li>• Teacher-recommended changes</li> <li>• Dropping a course to change a teacher or to avoid academic rigor is unacceptable. Lateral transfers (those that do not involve a change in level) are not permitted.</li> </ul> <p>Changes in student course schedules can only be made in guidance in accordance with the established high school course change schedule and policy. <b><i>Schedule changes will not be considered after the second week of a semester.</i></b> A student that withdraws from a class will receive a WP or a WF on his/her permanent transcript. No student may enter a new class or be withdrawn from an existing class on his/her schedule until his/her counselor gives permission.</p>
<b>RETKING A CLASS THAT HAS BEEN FAILED</b>	<p>Students that fail a class at EBJSHS will only be allowed to repeat the course during the day program with administrative approval and if scheduling permits. The principal will consider extenuating circumstances after consulting with the Guidance Department. Classes may be made up in summer school or in night school under the following guidelines:</p> <ol style="list-style-type: none"> <li>1. A student will be eligible for summer school if he/she obtains a minimum final grade of 50 in a class.</li> <li>2. A student that receives a grade lower than 50 may not go to summer school. He/she must take the course in a diploma granting evening program or at a two or four-year college.</li> </ol>
<b>CANCELLATION OR CHANGE OF COURSES</b>	<p><b>The school administration reserves the right to cancel or change any course listed in the program of studies booklet due to low enrollment or lack of staff. Courses with enrollment below 15 students may not run due to lack of interest.</b></p>

**ADVANCED PLACEMENT EXAMS**

Students who demonstrate outstanding achievement in high school Advanced Placement courses or who have studied extensively beyond the normal secondary level in specific subject areas are annually offered the opportunity to take Advanced Placement Examinations prepared by the College Board. These exams are administered at East Bridgewater Junior-Senior High School during the third week of May, for a set fee of approximately \$92.00. Advanced Placement courses are offered in English, U.S. History, Art, Biology, Physics, Statistics and Calculus. Students may take exams in subject areas for which they have not taken an Advanced Placement course. The high school will assist the student with arrangements to take any Advanced Placement exam. It should be noted, however, that students will be prepared for the content and scope of their exams through course work in the Advanced Placement program. Students whose Advanced Placement Examination scores are considered acceptable by colleges to which they are admitted may receive college credits. Enrollment in Advanced Placement (AP) courses requires participation in end of year AP testing to receive AP credit.

**MARKING SYSTEM**

Students will be evaluated four times during the school year on report cards (November, February, April and June). In addition, progress reports are posted on School Brains half-way through each marking quarter. (dates are available at the start of each year and on the high school web page [www.ebps.net/highschool](http://www.ebps.net/highschool)).

**Parental questions regarding student progress should be discussed directly with teachers by calling 508-378-8214.**

Students at East Bridgewater Junior-Senior High School receive numerical grades in grades 9-12 and alpha grades in grades 7 and 8. The numerical grade can be correlated to an alphabetical grading system for transfer students or personal convenience as follows:

A+	97-100	C	73-76
A	93-96	C-	70-72
A-	90-92	D+	67-69
B+	87-89	D	63-66
B	83-86	D-	60-62
B-	80-82	F	50-59 (Failing)
C+	77-79	F-	49 or below (FAILING-Not eligible for summer school)

**CLASS STANDING**

EBJSHS will report out senior class standing in deciles or percentiles. GPA is determined by including all classes in English, Math, Social Studies, Science and Foreign Language and any elective offered at the college prep or honors level. Class standing is determined for all students at the end of the junior and senior year of high school.

**MASSACHUSETTS STATE UNIVERSITY SYSTEM AND UMASS MINIMUM ADMISSIONS REQUIREMENTS**

The admissions standards for the state universities and UMass emphasize a strong academic high school background so that students enter college ready to learn. These standards represent minimum requirements; meeting them does not guarantee admission, since campus officials consider a wide range of factors in admissions decisions. Students shall have fulfilled all requirements for the high school diploma or its equivalent upon enrollment. *It is important to note that admissions standards for the state's community colleges differ. Community colleges may admit any high school graduate or GED recipient.*

**Freshman Applicants**

The admissions standards for freshmen applicants have two main parts:

1. 17 required academic courses.
2. A minimum required grade point average (GPA) earned in college preparatory courses completed at the time of application.

Applicants must also submit an SAT or ACT score.

**Academic Course Requirement**

Seventeen\* college preparatory courses distributed as follows are required. (A course is equivalent to one full school year of study. Courses count toward the distribution only if passed.)

**MINIMUM ACADEMIC COURSE REQUIREMENT**

**Requirement for college freshman class entering...**

Subject	Fall 2017 Entry and later
<b>English</b>	4 courses
<b>Mathematics</b>	4 courses (Algebra I & II and Geometry or Trigonometry, or comparable coursework) including mathematics during the final year of high school
<b>Sciences</b>	3 courses (from Natural Science and/or Physical Science and/or Technology/Engineering), including 3 courses with laboratory work
<b>Social Sciences</b>	2 courses (including 1 course in U.S. History)
<b>Foreign Languages</b>	2 courses (in a single language) Not required of Vocational/ Technical HS Students <i>Note:</i> American Sign Language (ASL) is considered a foreign language
<b>Electives</b>	2 courses (from the above subjects or from the Arts & Humanities or Computer Sciences)

**MINIMUM  
REQUIRED GRADE  
POINT AVERAGE  
(GPA)**

The GPA must be achieved based on all college preparatory courses completed at the time of application and should be weighted for accelerated (Honors or Advanced Placement) courses. The required minimum weighted high school GPA is 3.0 for four-year public campuses.

STATE COLLEGE GPA	UNIVERSITY GPA
3.00	3.00

**SAT  
SCORES**

Applicants who meet the GPA requirement do not have to use the sliding scale for admission, but still may submit SAT or ACT test scores for consideration if they are applying to a state college, university or UMass within three years of high school graduation.

**SLIDING  
SCALE**

If an applicant's GPA falls below the required minimum, a sliding scale will apply. This scale should be used only when an applicant's GPA falls below the required 3.0 minimum for admission to the state colleges, universities or UMass

Scores on the writing section of the SAT will not affect the sliding scale for freshman applicants to Massachusetts state colleges and to the University of Massachusetts at this time. The sliding scale, used in making admissions decisions for students with high school grade point averages falling below the required minimum, will continue to be based upon the combined critical reading (verbal) and math sections of the SAT.

**Sliding Scale for Freshman Applicants to UMass**

Weighted High School GPA	Combined SAT - IV & M Must Equal or Exceed (ACT Equivalent in Italics)
2.51 - 2.99	1030 (20)
2.41 - 2.50	1070 (21)
2.31 - 2.40	1110 (22)
2.21 - 2.30	1140 (23)
2.11 - 2.20	1180 (24)
2.00 - 2.10	1220 (25)

**No applicant with a high school GPA below 2.00 may be admitted to a state college or university campus.**

**Sliding Scale for Freshman Applicants to a State College or University**

Weighted High School GPA	Combined SAT - IV & M Must Equal or Exceed (ACT Equivalent in Italics)
2.51 - 2.99	990 (19)
2.41 - 2.50	1030 (20)
2.31 - 2.40	1070 (21)
2.21 - 2.30	1110 (22)
2.11 - 2.20	1140 (23)
2.00 - 2.10	1180 (24)

**Weighted Grade Point Matrix**

Final Mark	College Prep	Honors	AP
100	4.00	4.50	5.00
99	3.95	4.45	4.95
98	3.90	4.40	4.90
97	3.85	4.35	4.85
96	3.80	4.30	4.80
95	3.75	4.25	4.75
94	3.70	4.20	4.70
93	3.65	4.15	4.65
92	3.60	4.10	4.60
91	3.55	4.05	4.55
90	3.50	4.00	4.50
89	3.45	3.95	4.45
88	3.40	3.90	4.40
87	3.35	3.85	4.35
86	3.30	3.80	4.30
85	3.25	3.75	4.25
84	3.20	3.70	4.20
83	3.15	3.65	4.15
82	3.10	3.60	4.10
81	3.05	3.55	4.05
80	3.00	3.50	4.00
79	2.95	3.45	3.95
78	2.90	3.40	3.90
77	2.85	3.35	3.85
76	2.80	3.30	3.80
75	2.75	3.25	3.75
74	2.70	3.20	3.70
73	2.65	3.15	3.65
72	2.60	3.10	3.60
71	2.55	3.05	3.55
70	2.50	3.00	3.50
69	2.45	2.95	3.45
68	2.40	2.90	3.40
67	2.35	2.85	3.35
66	2.30	2.80	3.30
65	2.25	2.75	3.25
64	2.20	2.70	3.20
63	2.15	2.65	3.15
62	2.10	2.60	3.10
61	2.05	2.55	3.05
60	2.00	2.50	3.00
59-0	0.00	0.00	0.00

$$\bar{Y} = \frac{\text{Weighted Grade Point Value} \times \text{Credit}}{\text{Total Credit}} = \text{WGPA}$$

Calculate your WGPA by using the formula above. (Do not include physical education)

	Final Grade	Weighted Grade Points (from chart)	Credits	Weighted Grade Points x Credits	Weighted Grade Point Average
College Prep English	87	3.35	5	16.75	
College Prep French II	77	2.85	5	14.25	
College Prep Algebra	82	3.10	5	15.50	
Honors Band	95	4.25	5	21.25	
College Prep Social St	88	3.40	5	17.00	
College Prep Science	85	3.25	5	16.25	
			30	101	3.36



# ART

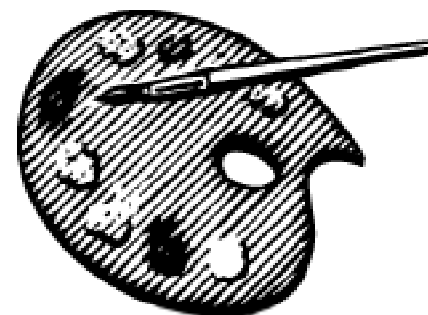
	CP	Honors	AP*
9	Art 1 (S) Ceramics (S)		
10	Art 1 (S) Art 2 Ceramics (S)		
11	Art 1 (S) Art 2 Ceramics (S)	Advanced Art	
12	Art 1 (S) Art 2 Ceramics (S)	Advanced Art	Advanced Art

Courses fulfill applied arts requirements for graduation

(S) = semester long course

See course descriptions to determine prerequisites for movement from CP (College Prep) to Honors and from Honors to AP (Advanced Placement).

\*Advanced Placement courses require participation in end of year AP Testing.



The major goal of the art department is to provide an opportunity for individual expression and enjoyment through the creation and appreciation of a broad range of art forms. "Talent" is not a prerequisite, but interest and enthusiasm are essential. In addition, the art department provides students with a deeper and more serious interest in art and the opportunity to develop their talent in preparation for pursuing art at the college or professional level.

*Please note all prerequisites in Honors/AP courses. The department chair may make placement decisions when unusual circumstances arise.*

**ART 1**  
(COLLEGE PREPARATORY)  
**#05151A**  
Grades 9 - 12  
2.5 credits

Students take a two semester course on learning introductory art skills in a primarily 2D context. Students are asked to reference their understanding of the elements and principles of design to address project prompts that help to develop beginner to intermediate materials mastery. Students must take this course in preparation for Art II, Advanced, or AP Art. 1.2c, 1.3b, 2.1c, 2.3b

**ART 2**  
(COLLEGE PREPARATORY)  
**#05154B**  
Grades 10 - 12  
5 credits  
Prerequisite: successful completion of **ART 1**

Art 2 builds on the skills and information taught in Art 1. This course is for students who wish to continue their exploration of art as a means of visual expression. Emphasis is on individualized instruction addressing personal artistic needs and interests. Students will work on improving their technical and creative skills and will be encouraged to work independently when possible.  
1.1b, 1.2b, 2.3b, 2.3c, 3.2

**CERAMICS**  
(COLLEGE PREPARATORY)  
**#05159CP**  
Grades 9 - 12  
2.5 credits  
Prerequisite: successful completion of **ART 1** and consent of instructor

Ceramics is an advanced course in clay that will cover hand building skills as well as wheel thrown techniques. The emphasis is on improving technical and creative competence in clay manipulation and surface decoration. A portfolio and journal are required.  
1.13, 1.14, 1.15, 2.16, 2.17, 3.11, 3.12, 4.13, 4.14, 4.15, 4.16, 5.11, 5.12

**ADVANCED ART (AP)**

(ADVANCED PLACEMENT)

#05A02AP

Grade 12

5 credits

Prerequisite: 90 or above average in

**ART 3** or consent of the instructor

This course is intended for highly-motivated students committed to serious study in art. The Advanced Placement program reflects three major concerns of art education: (1) quality -- a sense of excellence in one's work; (2) concentration -- a personal preoccupation with a particular mode of working, thinking, and expressing; and (3) breadth -- the variety of experiences in this formal, technical, and expressive means available to the artist.

The main objective of the Advanced Placement course is for each student to compile a portfolio of high quality work to submit it to the Advanced Placement Board for possible college credit. It is strongly suggested that students plan to take both Advanced Art 2 and AP Art in order to complete the requirements necessary to receive college credit. A research paper will be required.

Students must take AP exam in order to receive AP credit and AP weighting.

1.2b, 1.3c, 2.2d, 4.4, 5.2

**ADVANCED ART**

(HONORS)

#05157H

Grade 11, 12

5 credits

Prerequisite: 85 or above average in

**ART 2** or consent of the instructor

Advanced Art includes those students who intend to make a career in visual art. There will be intensive exploration of media and techniques. Work will include the creation of a portfolio and artist's statement as well as the essay necessary for admission to a college or university. We will also examine the impact of art on modern society and the implications for visual arts in the future.

1.2b, 1.3c, 2.2d, 4.4, 5.2

**BUSINESS**

**APPLICATIONS AND TECHNOLOGY**

	CP		CP*
9	Intro to Business (S) Intro to Google Classroom (S)	10	Accounting 1 Sports and Entertainment Marketing (S)
11	Entrepreneurship (S) Hospitality and Tourism Marketing (S) Sports and Entertainment Marketing (S) Accounting 1 Accounting 2	12	Entrepreneurship (S) Hospitality and Tourism Marketing (S) Sports and Entertainment Marketing (S) Accounting 1 Accounting 2  (S) = semester long course

All courses fulfill applied arts requirements for graduation.

**SEMESTER COURSES (2.5 Credits)**

**COLLEGE PREPARATORY**

*Rotating schedule of electives*



East Bridgewater Junior-Senior High School has a DECA chapter open to students of all grades who are currently taking or have taken a course offered by the Business department.

DECA, also known as, the Distributive Education Clubs of America is an international association of high school and college students and teachers of marketing, management and entrepreneurship in business, finance, hospitality, and marketing sales and service. The organization prepares leaders and entrepreneurs for careers and education in marketing, finance, hospitality, management, and other business areas. It is one of ten organizations listed as Career and Technical Student Organizations by the United States Department of Education.

**INTRO TO GOOGLE CLASSROOM**

(COLLEGE PREPARATORY)

#10004A

Grades 9  
2.5 credits

This course will help students develop and refine keyboarding skills and learn essential computer applications: Google Doc, Google Sheet, Google Slides, and Google Sites. Students will complete project-based simulations for personal, academic, and professional success and use the Internet in an ethical and safe manner to research, communicate, collaborate, and efficiently retrieve information.

1.2a,b,c,d, 1.3c, 2.2c, 3.3, 3.4, 4.3, 4.4, 5.2, 5.3, 5.4

**INTRO TO BUSINESS**

(COLLEGE PREPARATORY)

#12001CP

Grades 9  
2.5 credits

In this course students will acquire skills needed to prepare them for their future endeavors whether it is college, the military, or the workforce. The curriculum will cover career interests and options along with career planning and preparation, resumes, job hunting strategies, interviewing skills, and workplace skills. Financial literacy topics such as the time-value of money, budgets, the basics of personal banking and credit, a comprehensive understanding of payroll, taxes, and insurance, and being a wise consumer will also be covered. The curriculum for this course was developed with the high school guidance department to best prepare students.

**HOSPITALITY AND TOURISM MARKETING**

(COLLEGE PREPARATORY)

#12159CP

Grades 10 - 12

2.5 credits  
(available 2020-2021 school year)

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing industries in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

1.1a,b,c, 1.2a, b,c, 1.3a, b,c, 2.1b, c, 2.2b,c,d, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4

**INTRODUCTION TO THE MICROSOFT OFFICE SUITE**

(COLLEGE PREPARATORY)

#12003CP

Grades 10 - 12

2.5 credits  
(available 2020-2021 school year)

This course will help students develop and refine keyboarding skills and learn essential computer applications: MS Word, MS Excel, MS PowerPoint, and MS Publisher. Students will complete project-based simulations for personal, academic, and professional success and use the Internet in an ethical and safe manner to research, communicate, collaborate, and efficiently retrieve information. 1.2a,b,c,d, 1.3c, 2.2c, 3.3, 3.4, 4.3, 4.4, 5.2, 5.3, 5.4

**SPORTS & ENTERTAINMENT MARKETING**

(COLLEGE PREPARATORY)

#12163CP

Grades 10 - 12

2.5 credits  
(available 2020-2021 school year)

Sports and entertainment are two exciting and growing areas within the Marketing field. This class will provide an opportunity for students to explore the fields of sports and entertainment and examine their impact in the business world along with the key functions of marketing and how those functions are applied to sports and entertainment. Students will enhance their classroom understanding with an educational tour to a venue such as Gillette Stadium or Fenway Park.

1.1a,b,c, 1.2b,c,d, 1.3b,c, 2.1a, 2.2a,b,c,d, 3.2, 3.3, 3.4, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4

**ACCOUNTING 1**

(COLLEGE PREPARATORY)

#12104A

Grades 10 - 12

5 credits

Accounting I is not only for those students who are interested in pursuing a business major in college and are seeking a strong accounting background, but it is also a helpful course for anyone who makes business or personal financial decisions. Students will be introduced to the accounting theory and practices relating to sole proprietorships and corporations for service and merchandising businesses. Analyzing transactions into debit and credit parts, journalizing transactions, posting to a general ledger and preparing a variety of accounting forms are some of the aspects of this course. Accounting projects will be completed manually as well as with on computers. 1.1b, 1.1c, 1.2c, 1.3c, 2.1b, 2.1c, 2.2d, 3.1, 3.2, 3.3, 3.4, 4.2, 4.3, 4.4, 5.3, 5.4

**ACCOUNTING 2**

(COLLEGE PREPARATORY)

#12104B

Grades 11, 12

5 credits

Prerequisite: passing grade in  
**ACCOUNTING 1**

Accounting II provides for review and further development of fundamental accounting principles, incorporates the complete accounting cycle in relation to formation of merchandising and publicly held corporations and partnerships, and develops skill in applying principles used in accounting systems and methods commonly found in business. Accounting II is designed for students interested in studying accounting at the post-secondary level or entering the workforce. 1.1b, 1.1c, 1.2c, 1.3c, 2.1b, 2.1c, 2.2d, 3.1, 3.2, 3.3, 3.4, 4.2, 4.3, 4.4, 5.3, 5.4

**ENTREPRENEURSHIP**

(COLLEGE PREPARATORY)

#12053CP

Grades 10 - 12

2.5 credits  
(available 2020-21 school year)

The Entrepreneurship course is designed to provide students with a solid foundation in understanding the rewards and risks of owning and operating a business enterprise. It will expose students to the issues entrepreneurs face and will enable students to understand the skills and characteristics necessary to succeed as an entrepreneur, to assess whether a business opportunity exists, to determine how to take maximum advantage of that opportunity and to introduce students to one of the most important tools necessary for success: the Business Plan. The focus of the course will be on the business plan and students will study the major components that go into the preparation of a business plan. Students will be required to develop a business plan for their own business ventures. 1.1a,b,c, 1.2b,c,d, 1.3b,c, 2.1a, 2.2a,b,c,d, 3.2, 3.3, 3.4, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4

# ENGLISH

	CP	HONORS	AP*
<b>9</b>	<b>ENGLISH 9</b>	<b>ENGLISH 9</b>	
<b>10</b>	<b>ENGLISH 10</b> Foundations of Journalism 1 (S) Writing and Reporting the News (S) Creative Writing (S) Written Expressions (S) Public Speaking (S)	<b>ENGLISH 10</b>	
<b>11</b>	<b>ENGLISH 11</b> Foundations of Journalism 1 (S) Writing and Reporting the News (S) Creative Writing (S) Written Expressions (S) Public Speaking (S)	<b>ENGLISH 11</b>	<b>ENGLISH 11: LANG &amp; COMP</b>
<b>12</b>	<b>ENGLISH 12</b> Foundations of Journalism 1 (S) Writing and Reporting the News (S) Creative Writing (S) Written Expressions (S) Public Speaking (S)	<b>ENGLISH 12</b>	<b>ENGLISH 12: LIT &amp; COMP</b>

(S) = semester long course

See course descriptions to determine prerequisites for movement from CP (College Prep) to Honors and from Honors to AP (Advanced Placement).

\*Advanced Placement courses require participation in end of year AP Testing.

## IMPORTANT INFORMATION

Prerequisites: See page 10 of the Program of Studies to determine prerequisites for movement from College Prep (CP) to Honors (H), and from Honors (H) to Advanced Placement (AP).

Enrollment in Advanced Placement (AP) courses requires participation in end of year AP testing to receive AP credit.

Please Note: Courses with enrollment below 15 students may not run due to lack of interest.



**GRADUATION REQUIREMENT:** All students must pass four years of core English courses, 20 credits, in order to graduate.

English Courses at East Bridgewater Junior-Senior High School emphasize the knowledge and skills that students must master to be college and career ready by the end of high school.

Students must meet curriculum standards, developing skills in reading, writing, speaking, and listening that are the foundation for creative and purposeful expression in language.

Our English students develop thinking and language together through interactive learning. They draw on literature to develop understanding of their literary heritage extending across genres, cultures, and centuries. They examine informational texts and multimedia using technology strategically, creating, refining, collaborating, and gathering information.

Our students gain control over the conventions of standard English grammar. They determine meanings of grade-appropriate words encountered through listening, reading, and media use, expanding their vocabulary in the course of studying content.

Our students take part in a variety of rich, structured conversations and presentations—as part of a whole class and with groups. Students write narratives, poetry, essays and articles with increasing sophistication and in complex combinations. They, in a world of rapidly changing technology, learn the skills to adapt and use the latest innovations.

**College Preparatory** level is available at all grade levels. During the ninth and tenth grades, in addition to course work, College Preparatory students prepare for the MCAS long composition and open responses. During the eleventh and twelfth grades, College Preparatory students, in addition to course work, prepare to take the SAT and compose essays for college applications.

**Honors** is available at all grade levels. Honors suits the motivated student with a love for challenging literature and a demonstrated proficiency of analytical writing. Honors students complete multiple, challenging assignments simultaneously. Students in College Preparatory level must earn an 90% to move up to honors and honors students must earn an 80% to continue in the Honors level the following year.

**Advanced Placement** classes are offered in grade eleven and twelve. AP Language and Composition is only available in Grade 11. Advanced Placement Literature and Composition is only available in grade 12. These classes are the most demanding English classes in the program. Students learn in accordance with the College Entrance Examination Board requirements and take the AP tests in May in order to receive AP credit. Students in College Preparatory level must earn an 85% to move up to AP, and honors students must earn an 90% to move to AP.

The English department also offers elective courses: Creative Writing, Public Speaking, and Journalism.

All junior/senior high school students are required to complete a summer reading assignment before school starts. Summer reading assignments, distributed to all students in June, are available on the high school's website. Teachers assess the completion of summer reading. AP Classes may include additional requirements for summer reading.

**ENGLISH 9**  
(COLLEGE PREPARATORY)  
#01061CP

**Sample Reading Selections:** To Kill A Mockingbird, Romeo & Juliet and The Odyssey as well as selected short fiction, nonfiction and poetry from Common Core Literature. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, open response, research essay, creative non-fiction.

**ENGLISH 9**  
(HONORS)  
#01061H

**Sample of Reading Selections:** Catcher in the Rye, A Tale of Two Cities, Romeo & Juliet, and Night, as well as selected short fiction, nonfiction and poetry from Common Core Literature. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, open response, research essay, creative non-fiction, and poetry.

**ENGLISH 10**  
(COLLEGE PREPARATORY)  
#01054CP

**Sample of Reading Selections:** The Crucible, The Old Man and the Sea, Death of a Salesman, and Of Mice and Men, as well as selected short fiction, nonfiction and poetry. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, open response, research essay, creative non-fiction and poetry.

**ENGLISH 10**  
(HONORS)  
#01054H  
Prerequisites: grade of 85 or better in **ENGLISH 9 H** or grade of 90 or better in **ENGLISH 9 CP**

**Sample of Reading Selections:** The Great Gatsby, Death of a Salesman, The Secret Life of Bees, and The Scarlet Letter, as well as selected short fiction, nonfiction and poetry. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, open response, research essay, creative non-fiction, and poetry.

**ENGLISH 11**  
(COLLEGE PREPARATORY)  
#01056CP

**Sample of Reading Selections:** Great Expectations, Frankenstein, Lord of the Flies, Macbeth, and Animal Farm as well as selected short fiction, nonfiction and poetry. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, research essay, creative non-fiction, and poetry.

**ENGLISH 11**  
(HONORS)  
#01056H  
Prerequisites: grade of 85 or better in **ENGLISH 10 H** or grade of 90 or better in **ENGLISH 10 CP**

**Sample of Reading Selections:** *Great Expectations, Macbeth, Frankenstein, Wuthering Heights, 1984, and Heart of Darkness*, as well as selected short fiction, nonfiction and poetry.

**ENGLISH LANGUAGE AND COMPOSITION 11**  
(ADVANCED PLACEMENT)  
#01007AP  
Prerequisites: final grade of 90 or better in **ENGLISH HONORS 10**. Grade of 90 in **ENGLISH 11 CP**.

**Sample Reading Requirements:** *In Cold Blood and The Glass Castle*. Summer reading is also included in the curriculum. Students must submit all completed summer reading assignments (study guides, reading sheets, etc.) to the teacher three weeks prior to the first day of school. In addition, students read a variety of individually selected books.

**ENGLISH 12**  
(COLLEGE PREPARATORY)  
#01058CP

**Sample of Reading Requirements:** Les Misérables, Hamlet, Oedipus the King, and Antigone, as well as selected fiction, nonfiction and poetry. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, research essay, creative non-fiction, and poetry.

**ENGLISH 12**  
(HONORS)  
#01058H  
Prerequisites: grade of 85 or better in **ENGLISH 11H** or grade of 90 or better in **ENGLISH 11CP**

**Sample of Reading Requirements:** Les Misérables, Hamlet, Oedipus the King, Antigone, and Rosencrantz and Guildenstern are Dead as well as selected fiction, nonfiction and poetry. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** long composition, research essay, creative non-fiction, and poetry.

**ENGLISH LITERATURE AND COMPOSITION 12**  
(ADVANCED PLACEMENT)  
#01006AP  
Prerequisites: final grade of 85 or better in **AP LANGUAGE**. Grade of 90 in **ENGLISH CP 11**.

**Sample of Reading Requirements:** Les Misérables, Crime and Punishment, Hamlet, The Sound and the Fury, The Awakening, Oedipus, Things Fall Apart, Fences, Their Eyes Were Watching God, and Poetry 180, as well as selected poetry and selected passages from practice AP Exams. Students must submit all completed summer reading assignments to the teacher three weeks prior to the first day of school. In addition, students read a variety of individually selected books. **Sample Writing Requirements:** AP essays and poetry.

## English Elective Courses

### FOUNDATIONS OF JOURNALISM 1

(COLLEGE PREPARATORY)  
 #11101A  
 Grades 9 - 12  
 2.5 credits  
 1.1, 1.2, 2.1, 2.2, 3.1, 4, 5

This course introduces the student to the fundamentals of journalism. The students learn the basics of feature writing, editorial writing, sports writing, blogging and free-lance writing. Students also study the ethical and legal concerns in journalism. A completed portfolio plus finished work are due at the end of each term.

### WRITING AND REPORTING THE NEWS

(COLLEGE PREPARATORY)  
 #11101B  
 Grades 10-12  
 2.5 credits  
 1.1, 1.2, 2.1, 2.2, 3.1, 4, 5

Skills and writing activities will be included. Students contribute articles to the school blog as a requirement for this course. A completed portfolio plus finished work are due at the end of each term.

### CREATIVE WRITING

(COLLEGE PREPARATORY)  
 #01104A  
 Grades 9 - 12  
 2.5 credits

Creative Writing I students write stories, plays, and poems, working on their craft, learning from lessons in grammar, story structure, dialogue, description, form, metaphor, and revision. A completed portfolio plus finished work are due at the end of each term.  
 1.1, 1.2, 2.1, 2.2, 3.1, 4, 5

### WRITTEN EXPRESSIONS

(COLLEGE PREPARATORY)  
 #01104B  
 Grades 10 - 12  
 2.5 credits

Students enrolling in this course have completed Creative Writing 1. Classes build upon those lessons learned in Creative Writing 1. A completed portfolio plus finished work are due at the end of each term. Creative Writing II students take the lead in the production of the Viking Saga, the school's literary journal.  
 1.1, 1.2, 2.1, 2.2, 3.1, 4, 5

### PUBLIC SPEAKING

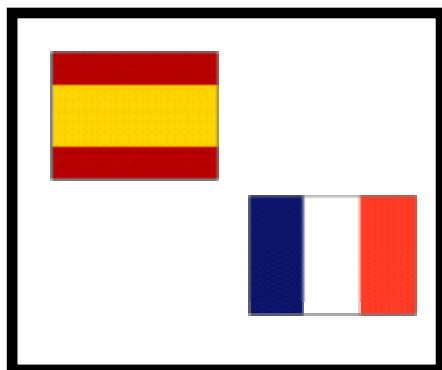
(COLLEGE PREPARATORY)  
 #01151  
 Grades 10 - 12  
 2.5 credits

This course introduces students to public speaking as an important component of their academic work, and social lives. Students will study and practice techniques in formal public speaking, including listening skills, speech preparation, and research methods. Students will learn to choose speaking topics and adapt them to specific audiences, to research and support their ideas, deliver speeches, and to benefit the listener feedback. They will also study how to incorporate well-designed visual and multimedia aids in presentations. This course is for students in grades 10-12.

# FOREIGN LANGUAGE

	CP		Honors	
9	French 1	Spanish 1		
10	French 1 French 2	Spanish 1 Spanish 2		
11	French 1 French 2 French	Spanish 1 Spanish 2 Spanish 3	French 3	Spanish 3
12	French 2 French 3	Spanish 2 Spanish 3	French 3 French 4	Spanish 3 Spanish 4

See course descriptions to determine prerequisites for movement from CP (College Prep) to Honors.



The United States has a long tradition of fostering a multi-lingual perspective which is vital to our achieving success in a global economy. Learning a new language is a first step to increasing the size of our world, opening us up to cultures other than our own, to different ways of living, thinking and seeing. Communication in a foreign language means understanding what others say and transmitting our own messages in ways that avoid misunderstandings. Research has shown that proficiency in a language and the culture in which it is spoken can best be attained when second language study begins as early as possible. Massachusetts state colleges require a minimum of two years of study of the same language and

years. Many other institutions of higher learning recommend three and four consecutive years of language study. All students must pass a proficiency test as part of their college freshman orientation program.

**FRENCH 1**  
(COLLEGE PREPARATORY)  
#06121CP  
Grades 9 - 11  
5 credits

This is a beginning course in French designed for the college-bound student with equal emphasis on the four basic skills of listening, speaking, reading and writing. There is a significant amount of study and homework required to develop accuracy and proficiency in French. As a college-preparatory course, it is designed to strengthen study and organizational skills to prepare for college-level coursework.

Examples of topics covered include: greetings and introductions, descriptions, school, family, the home, restaurants and cafés, supermarkets, food, clothing, travel, French artists, and French culture.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a

**FRENCH 2**  
(COLLEGE PREPARATORY)  
#06122CP  
Grades 10 - 12  
5 credits  
Prerequisite: passing grade in **FRENCH 1**

This course is designed to build upon the skills attained in level one. Students will continue to develop proficiency in the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge.

Examples of topics covered include: Winter and summertime activities, cultural hobbies, daily routine, health and wellness, technology, travel, food, French artists, and French culture.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a

**FRENCH 3**  
(COLLEGE PREPARATORY)  
#06123CP  
Grades 11, 12  
5 credits

This course is designed to develop the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge. This course is conducted primarily in French and focuses on presentational and interpersonal communication. Examples of topics covered include: Driving, legends, medical emergencies, public transportation and lodging, city and country life and professions and French culture.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c

**FRENCH 3**  
(HONORS)  
#06123H  
Grades 11, 12  
5 credits  
Prerequisite: grade of 90 or above in **FRENCH 2**.

This course is designed to develop the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge. This course is conducted primarily in French and focuses on presentational and interpersonal communication.

Examples of topics covered include: Driving, legends, medical emergencies, public transportation and lodging, city and country life and professions, and French culture.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c

**FRENCH 4**  
(HONORS)  
#06124H  
Grade 12  
5 credits  
Prerequisite: grade of 85 or above in **FRENCH 3H** or 90 or above in **FRENCH 3CP**

This course is designed to increase the students' language proficiency, that is their ability to use French for communication, and to build the students' fluency, that is the ease and confidence with which they use French for self-expression. During the course all major grammatical concepts of French are expanded upon and reinforced. Students will examine idiomatic and colloquial expressions used in everyday French.

Examples of topics covered may include: Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics, Global Challenges. Health and Wellness, Environment, History of France, Reading of Le Petit Prince, French films, short readings of classic French literature, food, and French cuisine.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c, 2.2d

**SPANISH 1**  
(COLLEGE PREPARATORY)  
#06101CP  
Grades 9 - 11  
5 credits

This a beginning course in Spanish designed for the college-bound student with equal emphasis on the four basic skills of listening, speaking, reading and writing. There is a significant amount of study and homework required to develop accuracy and proficiency in Spanish. As a college-preparatory course, it is designed to strengthen study and organizational skills to prepare for college-level coursework. Examples of topics covered include:greetings and introductions, descriptions, school, family, the home, food, clothing, and Hispanic culture.  
1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a

**SPANISH 2**  
 (COLLEGE PREPARATORY)  
**#06102CP**  
 Grades 10 - 12  
 5 credits  
 Prerequisite: passing grade in **SPANISH 1**

This course is designed to build upon the skills attained in level one. Students will continue to develop proficiency in the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge. Examples of topics covered include: Places, Activities and Hobbies, Travel, Accommodations, and Vacation Activities, Marketplace and shopping, Sports, and Spanish culture. 1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a

**SPANISH 3**  
 (COLLEGE PREPARATORY)  
**#06103CP**  
 Grades 11 - 12  
 5 credits  
 Prerequisite: passing grade in **SPANISH 2**

This course is designed to develop the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge. This course is conducted primarily in Spanish and focuses on presentational and interpersonal communication. Examples of topics covered include: Daily routine, accidents and medical emergencies, legends, early civilizations vs. modern cities, Spanish cuisine and recipes, restaurants, directions and Hispanic culture. In the honors level class, topics are explored more in-depth and the pace and workload are more rigorous. 1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c

**SPANISH 3**  
 (HONORS)  
**#06103H**  
 Grades 11 - 12  
 5 credits  
 Prerequisite: grade of 90 or above in **SPANISH 2**.

This course is designed to develop the four skills of listening, speaking, reading and writing while expanding their vocabulary and grammatical knowledge. This course is conducted primarily in Spanish and focuses on presentational and interpersonal communication. Examples of topics covered include: Daily routine, accidents and medical emergencies, legends, early civilizations vs. modern cities, Spanish cuisine and recipes, restaurants, directions and Hispanic culture. In the honors level class, topics are explored more in-depth and the pace and workload are more rigorous. This course will cover all the topics described under the title College Preparatory Spanish 3, but they will be covered in a more in-depth manner. Additional emphasis will be placed on reading, writing, speaking, listening, and cultural activities. 1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c

**SPANISH 4**  
 (HONORS)  
**#06104H**  
 Grades 12  
 5 credits  
 Prerequisite: grade of 85 or above in **SPANISH 3 H** or 90 or above in **SPANISH 3 CP**.

This course is designed to increase the students' language proficiency, that is their ability to use Spanish for communication, and to build the students' fluency, that is the ease and confidence with which they use Spanish for self-expression. During the course all major grammatical concepts of Spanish are expanded upon and reinforced. Students will examine idiomatic and colloquial expressions used in everyday Spanish. Examples of topics covered may include: The Environment, Volunteerism, Immigration Policy, Careers, Tradition and Social Values, Media, Spanish short stories and literature, Hispanic Icons, Hispanic artwork, Spanish language films, Spanish cuisine and Culture. 1.1a, 1.2a, 1.2b, 1.2c, 2.1a, 2.1b, 2.2a, 2.2b, 2.2c, 2.2d

# MATHEMATICS

	CP	Honors	AP*
9	<b>ALGEBRA 1</b>	<b>GEOMETRY</b>	
10	<b>INTEGRATED MATH GEOMETRY ALGEBRA 2</b> Computer Science 1 (S) Computer Science 2(S)	<b>GEOMETRY ALGEBRA 2</b>	
11	<b>INTEGRATED MATH TOPICS IN MATHEMATICS GEOMETRY ALGEBRA 2 PRE-CALCULUS</b> Computer Science 1 (S) Computer Science 2(S)	<b>ALGEBRA 2 PRE-CALCULUS CALCULUS TOPICS IN MATHEMATICS</b>	<b>STATISTICS AB CALCULUS</b>
12	<b>TOPICS IN MATHEMATICS PRE-CALCULUS ALGEBRA 2</b> Computer Science 1 (S) Computer Science 2(S)	<b>PRE-CALCULUS CALCULUS TOPICS IN MATHEMATICS</b>	<b>STATISTICS AB CALCULUS BC CALCULUS</b>

### IMPORTANT INFORMATION

Prerequisites: See page 10 of the Program of Studies to determine prerequisites for movement from College Prep (CP) to Honors (H), and from Honors (H) to Advanced Placement (AP).

Enrollment in Advanced Placement (AP) courses requires participation in end of year AP testing to receive AP credit.

Please Note: Courses with enrollment below 15 students may not run due to lack of interest.





**GRADUATION REQUIREMENT:** All students should successfully complete 20 credits of mathematics during their four years at East Bridgewater Junior-Senior High School.

Courses in the mathematics department are designed to provide students with the information necessary to function in a changing world. These real world situations require mathematics that can be generated from calculators. Scientific calculators are used beginning in Algebra 1, and graphing calculators are used from Algebra 2 on. Anyone with questions about a calculator should contact the mathematics department.

MCAS tests require proficiency in algebra, geometry, number sense, probability and statistics. Consequently, students should select their mathematics classes so that they will complete Algebra 1 and Geometry or Integrated Math before they take their MCAS tests.

**ALGEBRA 1**  
(COLLEGE PREPARATORY)  
#02052CP  
Grade 9  
5 credits

This full year course will cover expressions, equations and inequalities in one variable, representing change between two quantities, linear functions, systems, exponential functions, quadratic functions, and rational functions.

**ALGEBRA 1**  
(HONORS)  
#02052H  
Grades 9  
5 credits  
Prerequisite: 90 in PreAlgebra or teacher recommendation

This Honors course will cover the same topics at Algebra 1, but will move at a quicker pace, require more independence and more work outside of the classroom.

**INTEGRATED MATH**  
(COLLEGE PREPARATORY)  
#02994CP  
Grades 10, 11  
5 credits

This course will focus on strengthening the fundamental mathematical skills that are taught in Algebra 1 and will introduce basic Geometry topics to help prepare students for the MCAS. Students will practice these skills in class and MCAS type questions will be used daily. At the end of this course students will be prepared to complete the State MCAS exam.

**GEOMETRY**  
(COLLEGE PREPARATORY)  
#02072CP  
Grades 10, 11  
5 credits  
Prerequisite: passing grade in any **Algebra** course or **Integrated Math**

In this course students will investigate the fundamentals of geometry from the abstract concepts of points, lines, planes and solids, e.g. triangles, quadrilaterals, circles, to their properties, measurements, and mutual relations in space. Upon developing a strong vocabulary, students will explore proofs, solve both algebraic and geometric problems, and develop logical arguments. Additional topics found on the MCAS test will be included in this course.

**GEOMETRY**  
(HONORS)  
#02072H  
Grades 9, 10  
5 credits  
Prerequisite: grade of 90 or above in **grade 8 Algebra 1** or grade of 90 or above in **Algebra 1** or permission of lead teacher

This course will cover all the topics described under the title College Preparatory Geometry, but they will be covered in a more in-depth manner. Additional enrichment topics and/or projects will be assigned.

**ALGEBRA 2**  
(COLLEGE PREPARATORY)  
#02056CP  
Grades 10 - 12  
5 credits  
Prerequisite: passing grade in any **Algebra AND Geometry**

In Algebra 2, the properties of the real number system introduced in Algebra 1 are reviewed and expanded. Complex numbers, quadratic and exponential functions, conic sections, polynomial functions, rational functions and radicals will be studied.

**ALGEBRA 2**  
(HONORS)  
#02056H  
Grades 9, 10, 11  
5 credits  
Prerequisite: grade of 90 or above in **Algebra 1 CP** or 85 in **Algebra I H**.

Students in this course will be expected to take more responsibility for their own learning. Students will be working both cooperatively and independently in the pursuit of understanding. Polynomial, rational, exponential, radical, and logarithmic functions are studied. Other topics include powers and roots, sequences, and probability. Students will use scientific calculators on a daily basis.

**TOPICS IN MATHEMATICS  
(Introduction to Statistics and  
Personal Financial Literacy)**

(COLLEGE PREPARATORY)

**Grades 11, 12**

5 credits, #02999CP

Prerequisite: passing grade in Algebra II or Precalculus

First semester is dedicated to the basics of Statistics. Topics include Defining & Analyzing Data, Comparing Sets of Data and Exploring different Graphs created by Data. The second semester is Personal Financial Literacy. It is focused on helping students become financially literate by gaining knowledge in the areas of banking services, using credit wisely, planning savings and investments, and developing techniques for budgeting. There is a focus on collaboration in a group setting and application of new knowledge in the form of projects. The culminating activity will be a portfolio of the progress made throughout the semester.

**TOPICS IN MATHEMATICS  
(Introduction to Statistics and  
Personal Financial Literacy)**

(HONORS)

**Grades 11, 12**

5 credits, #02999H

Prerequisite: 85 or better in Precalculus (H) or Instructor's consent

The Honors course will cover the same topics, but will move at a quicker pace, require more independence and more work outside of the classroom. In the Financial Literacy area there will be a larger focus on Economics and how it can affect Personal Financial Literacy.

**COMPUTER SCIENCE 1**

(COLLEGE PREPARATORY)

#10152A

**Grades 9-12**

2.5 credits, semester

Computer Science 1 is designed to offer an introduction to computer science. The material emphasize computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses.

**COMPUTER SCIENCE 2**

(COLLEGE PREPARATORY)

#10152B

**Grades 9-12**

2.5 credits, semester

Prerequisite: passing grade in Computer Science 1

This course is a direct continuation of Computer Science 1. Topics include a deeper exploration of programming, computing and data analysis.

**PRE-CALCULUS**

(COLLEGE PREPARATORY)

#02110CP

Grades 11, 12

5 credits

Prerequisite: passing grade in Algebra 2

This course begins a study of mathematics that thoroughly combines algebra and geometry. Since functions are the foundation of calculus, the course covers rational, exponential, trigonometric and logarithmic functions. This course is essential for any student who plans to take mathematics courses in college.

**PRE-CALCULUS**

(HONORS)

#02110H

**Grades 11, 12**

5 credits

Prerequisites: passing grade of 90 or above in Algebra 2 CP or grade of 85 or above in Algebra 2 H or permission of the lead teacher.

**HONORS CALCULUS**

(HONORS)

#02121H

Grade 11,12

5 credits

Prerequisite: grade of 85 or above in Pre-Calculus H or 90 or above in Pre-Calculus CP.

**AB CALCULUS**

(ADVANCED PLACEMENT)

#02124AP

Grades 11, 12

5 credits

Prerequisite: grade of 90 or above in Pre-Calculus H or 90 or above in Pre-Calculus CP or with permission of the lead teacher.

**BC CALCULUS**

(ADVANCED PLACEMENT)

#02125AP

Grade 11, 12

10 credits

Prerequisite: 85 or better Precalculus (H)

Pre-Calculus at the honors level explores mathematics understanding the different families of functions. Higher degree polynomial, rational, exponential, logarithmic, and trigonometric functions will be investigated to provide preparation for AP Calculus. Graphing calculators will also be introduced as a tool. 1.1b, 1.2c, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 5.1

The study of calculus revisits algebra and geometry and introduces the derivative and integral. Students who want to begin their study of areas under curves, extreme values, limits and volumes of masses can select this course and learn fundamentals of calculus. This course will cover topics that will prepare students for future calculus courses. A graphing calculator is optional. 1.1b, 1.2c, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 5.1

The study of Calculus will link algebra and geometry into a unified mathematical structure. Students will investigate limits, the derivative and the integral, and discover how these powerful tools can be used in a variety of applications. Logical thinking and communicating beautiful mathematics in both written and oral form will be a major emphasis throughout the course. This class is essential to any student who wishes to pursue any math, science, engineering or economic related studies or anyone wanting to test out of college level math requirement. The class will follow the Advanced Placement Calculus outline set by the College Board. Students must take AP exam in order to receive AP credit and AP weighting. 1.1b, 1.2c, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 5.1

The study of Calculus will continue with new techniques of integration, infinite sequences and series, Taylor series, power series, parametric functions, and vector functions. The topics will mirror the BC Calculus Topic list. Success on the AP examination will earn the student two full semesters of college credit at a school that accepts AP credit. Students must take the AP exam in order to receive AP credit and AP weighting. 1.1b, 2.2a, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1

**STATISTICS**

(ADVANCED PLACEMENT)

#02203AP

**GRADES 10, 11, 12****5 CREDITS**

Prerequisite: Grade of 90 or better in Algebra 2 CP or successful completion of any advanced mathematics course.

The AP Statistics course is an excellent option for any student who has successfully completed College Prep Algebra 2 or Honors Algebra 2, regardless of the students intended college major. This course is not a Calculus-based course. The purpose of AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Graphing calculators are required.

# MUSIC

	CP	Honors
9	Concert Band Concert Chorus History of Rock & Roll I, II (S) Guitar 1, 2 (S) Piano 1, 2, 3, 4 (S)	Concert Band Concert Chorus
10	Concert Band Concert Chorus History of Rock & Roll I, II (S) Guitar 1, 2 (S) Piano 1, 2, 3, 4 (S)	Concert Band Concert Chorus
11	Concert Band Concert Chorus History of Rock & Roll I, II (S) Guitar 1, 2 (S) Music Theory I, II (S) Piano 1, 2, 3, 4 (S)	Concert Band Concert Chorus
12	Concert Band Concert Chorus History of Rock & Roll I, II (S) Guitar 1, 2 (S) Music Theory I, II (S) Piano 1, 2, 3, 4 (S)	Concert Band Concert Chorus

(S) = semester long course

All courses fulfill applied arts requirements for graduation.



Music courses may be taken for individual credit at each grade level during the 4-year high school experience. All music offerings are considered **core subjects**.

**CONCERT BAND**  
**(COLLEGE PREPARATORY)**  
**#05103CP**  
 Grades 9-12  
 5 Credits  
 1.2c, 1.3b, 2.3c, 6

Concert Band is a musical ensemble designed to offer students the opportunity to continue a study in instrumental music based on the foundation they established in the Middle School and Jr. High instrumental program. Students are required to play a band instrument proficiently and read music at a fluent level. The course meets for a full year and students earn five (5) full credits. Emphasis is placed on studying, interpreting, listening to, critiquing and performing of standard concert band literature representative of a wide range of styles, composers, forms, historical periods and cultures. Coursework includes individual and ensemble daily practice and preparation of band repertoire, exercises and techniques as well as studies involving music theory relating to band repertoire. Also included are critical thinking and listening assignments and evaluations, as well as regular demonstration of individual growth as an instrumentalist. The band is a "performance based" class with a regular, mandatory performance schedule during the school year. These performances include assemblies, concerts, community performances and festivals. Most of the performances take place outside of the school day and are a part of the grading process for the course.

**CONCERT BAND**  
**(HONORS)**  
**#05103H**  
 Grades 9-12  
 5 Credits  
 1.2c, 1.3b, 2.3c, 6

In addition to the requirements of Concert Band CP, the honors student must also complete additional requirements in areas such as extracurricular music ensembles, leadership roles, auditions and private study. The amount of participation in these additional requirements will be determined and announced by the instructor upon approval of enrollment.

**CONCERT CHORUS****(COLLEGE PREPARATORY)****#05111CP**

Grades 9-12

5 Credits

1.2c, 1.3b, 2.3c, 6

Concert Chorus is a musical ensemble designed to offer students the opportunity to continue a study in vocal music based on the foundation they established in the Middle School and Jr. High choral programs or begin their study in choral music. Although choral or vocal experience is encouraged, it is not a requirement for this course. Concert Chorus is considered a core subject as a subject in the arts. The course meets for a full year and students earn five (5) full credits. Emphasis is placed on studying, interpreting, listening to, critiquing and performing standard concert chorus literature representative of a wide range of styles, composers, forms, historical periods and cultures. Coursework includes individual and ensemble daily practice and preparation of choral repertoire, exercises and techniques, critical thinking and listening assignments and evaluations, and regular demonstration of individual growth as a vocalist. The chorus is a "performance based" class with a regular mandatory performance schedule during the school year. These performances include assemblies, concerts, community performances and festivals. Most of the performances take place outside of the school day and are part of the grading process.

**CONCERT CHORUS****(HONORS)****#05111H**

Grades 9-12

5 Credits

1.2c, 1.3b, 2.3c, 6

Students in Honors level Concert Chorus must fulfill all of the requirements of Concert Chorus CP plus the additional requirements in areas such as extracurricular music ensembles, leadership roles, auditions, and private study. The level of participation in these areas will be determined and announced by the instructor upon approval of enrollment.

**HISTORY OF ROCK****AND ROLL I****(COLLEGE PREPARATORY)****#05119B**

Grades 9-12

2.5 Credits

1.3B, 2.1C, 2.3B, 2.3C

Offered the fall semester of school years beginning with an even numbered year.

The History of Rock 'n' Roll 1, a semester based elective, is an in-depth study of the origins of popular music in the 20th century (1900-1968) and the social and historical context that gave birth to it and related genres and musical offshoots. From blues and country to punk and hard rock, students will familiarize themselves with landmark groups, music, and the movements of different periods, exploring connections between modern music and the artists from the past who have paved the way for the popular music of today. Course activities include presentations, lectures and listening samples. No prior musical training is necessary to enroll in this course.

**HISTORY OF ROCK****AND ROLL II****(COLLEGE PREPARATORY)****#05118CP**

Grades 9-12

2.5 Credits

1.3B, 2.1C, 2.3B, 2.3C

Offered the fall semester of school years beginning with an even numbered year.

The History of Rock 'n' Roll 2, a semester based elective, is an in-depth study of the origins of popular music in the 20th century, (1968-present), and the social and historical context that gave birth to it and related genres and musical offshoots. From blues and country to punk and heavy metal, students will familiarize themselves with landmark groups, music and the movements of different periods, exploring connections between modern music and the artists from the past who have paved the way for the popular music of today. Course activities include presentations, lectures and listening samples. No prior musical training is necessary to enroll in this course.

**MUSIC THEORY I****(COLLEGE PREPARATORY)****#05114A**

Grades 9-12

2.5 Credits

1.3b 2.3b, 2.3c, 5.1

Offered the spring semester of school years beginning with an even numbered

This course is designed to give any student an introduction to the terms, structures and functions of music. This course is offered as a basics course on the fundamentals of music theory and includes the topics of note reading in treble, bass and C clef, vocabulary, rhythm, intervals, and scales. Course activities include presentations, lectures, written and performance projects and basic keyboard instruction. This course is open to all students who would like to learn how to read music and understand the basic elements that make up music. Students who are enrolled in Concert Band and Concert Choir are encouraged to enroll in Music Theory 1 if they require a review in the basics of note and rhythm reading.

**MUSIC THEORY II****(COLLEGE PREPARATORY)****#05114B**

Grades 9-12

2.5 Credits

1.3b 2.3b, 2.3c, 5.1

Offered the spring semester of school years beginning with an odd numbered year.

In this course students expand the basic knowledge of music fundamentals gained in Music Theory 1. After reviewing the basics covered in the previous course, the topics covered will include chord structure, tonality and pitch centricity, harmony and basic counterpoint, form, texture, and advanced vocabulary. Class activities include presentations, lectures, written and performance projects. A strong emphasis is placed on music composition, arranging and analysis using some music notation software to apply knowledge of each topic covered and the use of the keyboard. This course is designed for students interested in gaining a deeper knowledge of music theory after taking Music Theory 1. Although the Music Theory 1 course serves as the basis for Music Theory 2, students may elect Theory 2 without the prerequisite course with the approval of the Director of Music.

**GUITAR 1**  
(COLLEGE PREPARATORY)  
**#05109A**  
Grades 9-12  
2.5 Credits

This is an introductory course on how to tune and play the guitar. Students will learn to read tablature, treble clef notes on 3 strings, chord symbols and simple rhythms. Performing these skill sets is a part of the class. This class is intended for students with little to no prior experience.

**GUITAR 2**  
(COLLEGE PREPARATORY)  
**#05109B**  
Grades 9-12  
2.5 Credits

Guitar 2 is a continuation of guitar 1. Students will focus on reviewing the skills sets presented in guitar 1 and increasing their capabilities and precision in those areas.

**PIANO 1**  
(COLLEGE PREPARATORY)  
**#55139**  
Grades 9-12  
2.5 Credits

Piano 1 is a “hands on” course designed for the student that would like to learn to play piano. Students should have some prior knowledge of basic rhythms and clefs taught in the elementary and junior high general music classes. There is no pre-requisite course needed to enroll in this course. This course is offered in the fall semester and can be followed up in the spring semester with Piano 2.

**PIANO 2**  
(COLLEGE PREPARATORY)  
**#55139A**  
Grades 9-12  
2.5 Credits

Piano 2 is a “hands on” course designed for the student that would like to learn to play piano. Students need to have a passing grade in the pre-requisite course Piano 1. Students that have prior experience with piano lessons but have not taken piano 1 can enroll with a recommendation from the teacher or Director of Music. This course is offered in the spring semester and can be followed up in the following year with piano 3.

**PIANO 3**  
(COLLEGE PREPARATORY)  
**#55139B**  
Grades 9-12  
2.5 Credits

Piano 3 is a “hands on” course designed for the student that would like to continue learning to play piano. Students need to have a passing grade in the pre-requisite course Piano 2. Students that have extensive prior experience with piano lessons but have not taken piano 2 can enroll with a recommendation from the teacher or Director of Music. This course is offered in the fall semester and can be followed up in the spring with piano 4.

**PIANO 4**  
(COLLEGE PREPARATORY)  
**#55139C**  
Grades 9-12  
2.5 Credits

Piano 4 is a “hands on” course designed for the student that would like to continue learning to play piano. Students need to have a passing grade in the pre-requisite course Piano 3. Students that have extensive prior experience with piano lessons but have not taken piano 3 can enroll with a recommendation from the teacher or Director of Music. This course is offered in the spring semester.

# PHYSICAL EDUCATION/HEALTH

	CP*
9	Intro Wellness 9
10	Personal Wellness 10
11	Physical Education 11 Health 11 Fitness for Life
12	Physical Education 12 Health 12 Fitness for Life

\*All courses are semester long

All courses fulfill physical education requirements for graduation.

**INTRO WELLNESS 9**

#  
Grade 9  
2.5 credits

Students will experience a combination of physical education and health. This is an introductory course exploring components of fitness, the benefits of leading an active lifestyle, and the various activities that can improve wellness. This class provides an opportunity for students to be active in many different disciplines and categories of movement activities. Various life skills that are transferable will be introduced and students will be put into dynamic settings to complete tasks and solve problems

**PERSONAL WELLNESS 10**

**#08001B**  
Grade 10  
2.5 credits

This course will continue to build on the PE 9 curriculum. Students will be challenged to become better games players while exploring different strategies and tactics during gameplay. Students will also continue to build on their experiences from PE 9 in the areas of fitness, dance, and acro-sport. Grading will be based on a physical education grading rubric and a variety of assessments. 1.1b, 1.2b,c, 1.3c, 2.1c, 2.2d, 3.2, 4.1

**HEALTH 11**

**#08051A**  
Grade 11  
2.5 credits

This elective course is designed to give students information to make informed, healthy decisions during young adulthood. Topics in this course will include nutrition, reproduction/sexuality, mental health, tobacco, alcohol & other substance use/ abuse prevention, violence prevention, and community and public health. Grading will be based on class participation, written assessments, unit tests, projects, and presentations. This course is designed to build on the Health 12 curriculum. Topics in this course will include family life, interpersonal relationships, disease prevention and control, safety and injury prevention, consumer health and resource management, and ecological health. Grading will be based on class participation, written assessments, unit tests, projects, and presentations. 1.1b, 1.2b,c, 1.3c, 2.1c, 2.2d, 3.2, 4.1

**HEALTH 12**

**#08051B**  
Grade 12  
2.5 credits

**PHYSICAL EDUCATION 11**

**#08001D**  
Grades 11  
2.5 credits

This course begins to allow students to take control of their physical activity. Students will continue to build on the PE 9 and 10 curriculums. Student will start to focus on activities that promote lifelong activity. Activities will include personal fitness, group fitness, and cardiovascular health. Grading will be based on a physical education grading rubric and a variety of assessments. 1.1b, 1.2b, 2.2c, 4

**PHYSICAL EDUCATION 12**

**#08001E**  
Grade 12  
2.5 credits

This course will continue to build on the PE 11 curriculum. Students will focus on developing strategies to find, create, and maintain a level of lifelong fitness. Activities during PE 12 will include personal fitness and cardiovascular health and fitness. Students will be required to change into athletic clothing for participation. Grading will be based on a physical education grading rubric and a variety of assessments. 1.1b, 1.2b, 2.2c, 4

**FITNESS FOR LIFE**

**#08049**  
Grades 11, 12  
2.5 credits

This elective course is a hybrid health and physical education course. Students will experience part of the class in a workout setting while the other part of class will be in a classroom setting. Topics in this course will include disease prevention, personal fitness and conditioning, developing personal health plans, and strategies to promote a healthy lifestyle. Grading will be based on testing, participation, projects, and presentations. 1.1b, 1.2b, 2.2c, 4

**SCIENCE**

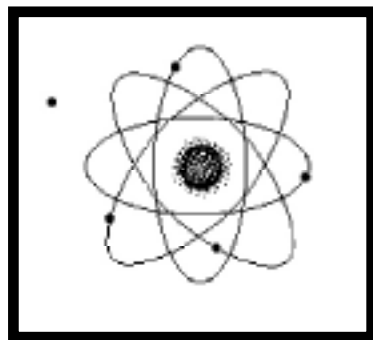
	<b>CP</b>	<b>Honors</b>	<b>AP*</b>
9	<b>BIOLOGY</b>	<b>BIOLOGY</b>	
10	<b>CHEMISTRY ENVIRONMENTAL SCIENCE MARINE SCIENCE</b>	<b>CHEMISTRY</b>	
11	<b>ANATOMY &amp; PHYSIOLOGY CHEMISTRY ENVIRONMENTAL SCIENCE MARINE SCIENCE</b> Principles of Technology (S)	<b>ANATOMY &amp; PHYSIOLOGY PHYSICS CHEMISTRY ENVIRONMENTAL SCIENCE</b> Forensics (S)	<b>PHYSICS BIOLOGY CHEMISTRY ENVIRONMENTAL SCIENCE</b>
12	<b>ANATOMY &amp; PHYSIOLOGY MARINE SCIENCES</b> Principles of Technology (S)	<b>ANATOMY &amp; PHYSIOLOGY PHYSICS</b> Forensics (S)	<b>BIOLOGY CHEMISTRY PHYSICS ENVIRONMENTAL SCIENCE</b>

**IMPORTANT INFORMATION**

Prerequisites: See page 10 of the Program of Studies to determine prerequisites for movement from College Prep (CP) to Honors (H), and from Honors (H) to Advanced Placement (AP).

Enrollment in Advanced Placement (AP) courses requires participation in end of year AP testing to receive AP credit.

Please Note: Courses with enrollment below 15 students may not run due to lack of interest.



Science is both a body of knowledge and a process for gaining more knowledge about the world in which we live. Science is a way to understand our surroundings and ourselves and has been responsible for changing and improving our lives. Science will be at the center of human change during the next 100 years, causing it, shaping it, and responding to it. An understanding of science is essential to the education of today's students for tomorrow's world.

### RECOMMENDATIONS

Since we believe that every grade 9 student should be given the opportunity to take and pass the state science graduation requirements for the MCAS Science test, the science department recommends that college preparatory students begin with College Prep Biology and honor level students begin with Biology. These courses will be tested in June, and students who pass will not be required to participate in any further MCAS science testing. Students will continue on to other science courses to satisfy the three course science requirements for graduation from EBJSHS (15 credits) and for admission requirements for the Massachusetts state college system or the specific course requirements of other colleges and universities. Honors Biology students will be expected to take more than the minimum requirements and up to and including AP science courses.

### BIOLOGY

(COLLEGE PREPARATORY)

#03051CP

Grade 9

5 credits

The standards from the Science and Technology Curriculum Frameworks form the basis for this course. Characteristics of organisms, the evolution of life, principles of heredity and matter, biochemistry, human anatomy, cell biology and energy in ecosystems are the major topics covered. Additional material will include applicable topics in physical science and earth science as they relate to biology. Students will be asked to write formal lab reports which are an important part of the course. This course continues the preparation for the MCAS test and is required for all college preparatory students with strong reading and writing skills; dissections may be required. All students taking this course will take the Biology MCAS Exam in June of their freshman year.

1.2c, 1.3b, 4.2

### BIOLOGY

(HONORS)

#03051H

Grade 9

5 credits,

Prerequisite: 8th grade teacher recommendation and 90 in CP Science 8

This course will cover all the topics found in tenth grade College Preparatory Biology but in more depth and at an accelerated pace. In addition to selected laboratory experiences and reports, independent study topics and projects will be assigned and oral presentations may be required. This course continues the preparation for the MCAS test and is recommended for all college preparatory students with strong reading and writing skills; dissections may be required.

1.2c, 1.3b, 4.2

### BIOLOGY

(ADVANCED PLACEMENT)

#03056AP

Grade 11, 12

5 credits

Prerequisite: Grade of 90 or above in **BIOLOGY H.** Grade 90 in **BIOLOGY CP.** Student must be currently enrolled in or have passed Honors or College Prep Chemistry.

This course allows selected students who have satisfactorily completed courses in biology and chemistry to experience a college level biology course while still in high school. The content covered in AP Biology is derived from surveys of colleges and universities across the country. This AP course will be designed around 4 Big Ideas, the enduring understandings and the essential knowledge standards. The two main goals of AP Biology are to help students develop a conceptual framework and an appreciation of science as a process. The explosion of knowledge in the field of biology has made this task even more daunting. Our primary emphasis therefore, will be on developing an understanding of concepts rather than memorization of terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes and how they relate to the study of biology; and the application of biological knowledge and critical thinking to environmental and social concerns. During this course students will spend between 20% and 25% of the instructional time exploring the seven science practice standards and skills. Students will be engaged in both teacher and student directed labs. Due to the online nature of this course some labs will be demonstration only. However, many of the labs will be student directed and inquiry in nature. Students will be exposed to between 8-12 lab activities which cover each of the 4 Big Ideas. During these labs students will be expected to collect and analyze data and show mastery of the seven science practices below. Each student will be required to create a unique research based lab activity that will be videotaped and shared with the class.

### CHEMISTRY

(COLLEGE PREPARATORY)

#03101CP

Grades 10, 11

5 credits

Prerequisite: grade of 80 or above in **ALGEBRA 1.**

Chemistry is a course designed primarily for the student intending to pursue a four-year college education. The course covers the basic principles of chemistry, dealing with topics such as matter and energy, modern atomic theory, elemental periodicity, chemical bonding, chemical formulas, and chemical equations. Since the study of chemistry requires the use of algebra, scientific notation, percents and proportions, students should feel competent in these areas before taking the course. Course content is covered by class lecture, class activities, and labs. Laboratory activities give students an opportunity to gain practical experience in applying and understanding the scientific process. Formal lab reports are required and are an important part of the course.

1.3b, 3.2, 4.3

**CHEMISTRY**

(HONORS)

#03101H

Grades 10, 11

5 credits

Prerequisite: minimum grade of 85 or above in **BIOLOGY H**, or 90 in **BIOLOGY CP**.

This course will cover all the topics found in College Preparatory Chemistry, but at an accelerated pace with even more emphasis on the mathematical relationships found in chemistry. Good analytical skills and excellent writing skills are required. Additional enrichment topics and/or projects will also be assigned.  
1.1b, 1.3b, 3.2, 4.3

**CHEMISTRY**

(ADVANCED PLACEMENT)

#03106AP

Grade 11, 12

5 credits

Prerequisite: grade of 85 in **ALGEBRA 2 H** and a minimum grade of 90 in **CHEMISTRY CP** or 90 in **CHEMISTRY H**.

The Advanced Placement Chemistry course is designed to be the equivalent of a first-year college-level general chemistry course. It is to be taken only after the successful completion of honors chemistry, and is not to replace any other course in the student's science curriculum, such as physics. Students in AP Chemistry will be expected to attain a depth of understanding of the fundamentals of chemistry with a much greater emphasis on problem-solving than was encountered in the first-year course. Also, a greater emphasis will be placed on the laboratory portion of the course. Topics to be covered in the course include: the structure of matter, properties of matter, chemical reactions and stoichiometry, chemical kinetics, thermodynamics, and equilibrium. Students must take the AP exam in order to receive AP credit and AP weighting.  
1.3a, 3.1, 4.1

**HUMAN ANATOMY AND PHYSIOLOGY**

(COLLEGE PREPARATORY)

#03055CP

Grades 11, 12

5 credits

Prerequisite: passing grade in **BIOLOGY**.

This is a college preparatory course in human anatomy and physiology. The systemic approach to the human body provides students with the fundamental concepts in anatomy and physiology. Anatomy presents the structural background of the parts of the systems and physiology provides an understanding of the biological processes. Major topics include histology and the study of all the human body systems. The course is designed to meet the individual needs of students to prepare for higher education, to study in an area of biological interest, or to prepare for a health-related career; **dissections are required**.  
1.1a, 1.2c, 1.3a

**HUMAN ANATOMY AND PHYSIOLOGY**

(HONORS)

#03055H

Grades 11, 12

5 credits

Prerequisite: 85 or above in **BIOLOGY H**.

This is a rigorous course intended for students interested in a medical or science-related field. It will provide students with a foundation of knowledge regarding the interrelationship of form and function in the human body, the hierarchy of structural organization and homeostatic processes. Emphasis will be placed on laboratory and clinical case studies to illustrate anatomical and physiological concepts; **dissections are required**.

1.1a, 1.2c, 1.3a

**PHYSICS**

(HONORS)

#03151H

Grades 11, 12

5 credits

Prerequisite: grade of 80 or better in **PRECALCULUS**. **85% in previous H Science class or 90%**

This is an honors-level course that describes the interaction of matter and energy. The course builds upon concepts and principles of physical and chemical science and applies mathematical skills. Major topics include: matter, motion, force, work, energy, and electricity. Discussions and demonstrations will be supplemented with laboratory experiences. This course is recommended for students who are planning careers in science, medicine, or related analytical fields.

1.3, 3.2, 4.2, 4.3

**PHYSICS I**

(ADVANCED PLACEMENT)

#03155AP

Grades 11, 12

5 credits (up to 10 credits)

Prerequisite: Grade of 80 in Honors Geometry and Honors Algebra 2. Grade of 90 in CP Geometry and CP Algebra 2.

Physics is the study of how the universe and everything in it works. The laws of physics explain the behavior of things as small as electrons, and as large as the universe itself, and everything in between. AP Physics I is a course that includes both the classical and modern aspects of physics. Students that take this course will be expected to have a strong grasp of algebra and trigonometry. The course will also consist of a minimum of 12 student-conducted laboratory investigations representing a variety of topics. Some of the learning objectives will include topics such as: Newtonian Mechanics, Waves, Electrical Circuits and Energy. At the end of the year, students will be expected to take the AP Physics I exam to earn AP credit for the course.

1.3, 3.2, 4.2, 4.3



**ENVIRONMENTAL SCIENCE****(COLLEGE PREPARATION)****#03003CP**

Grade 12

Prerequisite: Grade of 90 in Honors Biology. Grade of 90 in CP Biology.

This course is designed as a college preparatory course utilizing an inquiry, project-based learning approach to study how humans interact with the environment. Students taking this course should have completed one year of biology. The focus of the course is a study of the basic principles of ecology including the study of the ecosystems, earth's biomes, biodiversity, and the role and impact of human activities on natural systems.

**ENVIRONMENTAL SCIENCE****(HONORS)****#03003H**

Grade 12

Prerequisite: Grade of 90 in Honors Biology. Grade of 90 in CP Biology.

This honors course utilizes an inquiry, project-based learning approach to study how humans interact with the environment. This course looks at each topic in more detail as compared to the Environmental Science (CP) half year course. Topics covered will include the study of ecosystem structure and function, biodiversity, population studies, resource depletion and management, energy and chemical cycles, sustainable energy sources, and pollution of air, water and land. In addition, there will be opportunities to explore the many political and economic issues that are relevant to environmental studies. Laboratory work will be completed to support the study of these topics.

**ENVIRONMENTAL SCIENCE****(ADVANCED PLACEMENT)****#03006AP**

Grade 12

Prerequisite: Grade of 90 in Honors Biology. Grade of 90 in CP Biology.

The AP Environmental Science course is designed to be the equivalent of an introductory university course in environmental science. It is an incredibly interesting, complex, and applicable science that is constantly changing and expanding. It has been developed to be a rigorous laboratory science course that stresses scientific principles, processes and analysis, while also providing opportunities to explore the many social, political, economic, and ethical issues that are relevant to the environmental topics studied. All students are expected to take the AP Examination in Environmental Science in May.

**MARINE SCIENCES****(COLLEGE PREPARATORY)****#03005A**

Grades 10-12

5 Credits

Prerequisite: passing grade in Biology

This course will encompass several major areas of ocean study. The curriculum will focus on topics such as oceanography, fish biology, world fishing methods, marine mammals, ocean science in New England, and global issues affecting the ocean. Whale watch and aquarium field trips may occur, dissection may be required. This course will also have a literacy component which will tie in with course topics. Maximum size of 25 students due to safety concerns when on field trips. This is a full-year course and reflects the following standards, NGSS: HS-LS2-1,2,6,7,8, HS-LS4-5,6, HS-ESS3-3,4 Common Core: Reading Standards for Literacy in History/Social Studies Grade 11-12.

**Science Elective Courses****PRINCIPLES OF TECHNOLOGY****(COLLEGE PREPARATORY)****#03153CP**

Grades 11, 12

2.5 credits

This course is designed to help students understand scientific technology innovations. The impact of technology on the quality of life and change resulting from scientific technology will be involved. Many of the projects will focus on technology as a growing field and will involve technological skills and areas that will be in demand in the future, such as renewable energy, computer programming, and electrical engineering. This will be an application-based science course including laboratory experiences and projects.

1.3, 4.2, 5.1

**FORENSIC SCIENCE****(HONORS)****#03999H**

Grades 11, 12

2.5 credits

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

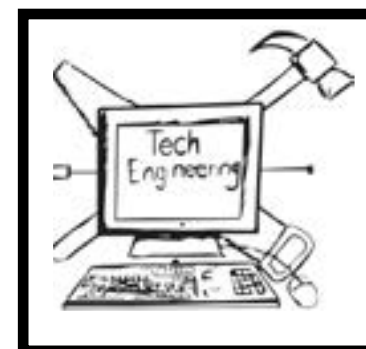
# TECHNOLOGY ENGINEERING

	Standard	CP	Honors
9	Intro Tech (S) Manufacturing 1 (S)	Intro CAD & Engineering (S) Graphic Communications 1 (S)	
10	Intro Tech (S) Production Technology 2 Manufacturing 1 (S) Manufacturing 2	Intro CAD & Engineering (S) CAD & Engineering Graphic Communications 1 (S) Graphic Communications 2	
11	Intro Tech (S) Production Technology 2 Manufacturing 1 (S) Manufacturing 2	Intro CAD & Engineering (S) CAD & Engineering Advanced CAD 3 Architectural Drafting (S) Graphic Communications 1 (S) Graphic Communications 2	Adv CAD 3 Arch Design/ Engineering(S)
12	Intro Tech (S) Production Technology 2 Manufacturing 1 (S) Manufacturing 2	Intro CAD & Engineering (S) CAD & Engineering Advanced CAD 3/Engineering Architectural Engineering (S) Graphic Communications 1 (S) Graphic Communications 2	Adv CAD 3 Arch Design/ Engineering (S)

Courses fulfill applied arts requirements for graduation

(S) = semester long course

See course descriptions to determine prerequisites for movement from CP (College Prep) to Honors.



*"There must be someplace in the school where the students can put all the parts (academic disciplines) together in the context of reality and the world beyond the school.  
That place is Technology Education!"*

## TECHNOLOGY/ENGINEERING PROGRAM LIST

Students can select one full year course or a combination of two half-year courses, of the following courses for science credit during their four years to be applied toward their science graduation requirement. Once selected, that course cannot be counted for an Applied Arts credit.

- #13054A Introduction to Technology (2.5 credits)
- #13054B Production Technology 2 (5 credits)
- #13055A Manufacturing 1 (2.5 credits)
- #13055B Manufacturing 2 (5 credits)
- #21107A CAD Design Drafting Fundamentals (2.5 credits)
- #21107B CAD Design Drafting 2 (5 credits)
- #21107CP CAD Design Drafting 3 (5 credits)
- #21107H CAD Design Drafting 3 (5 credits)
- #21103CP Architectural Drafting(5 credits)
- #21103H Architectural Drafting (5 credits)
- #10202A Graphic Arts 1 (2.5 credits)
- #10202B Graphic Arts 2 (5 credits)

Technology/Engineering involves the use of knowledge, tools, and skills to solve practical problems and extend human capabilities. Recognizing that a primary purpose of education is to provide a person with the means to function successfully in his or her environment and society, the technology education program offered at East Bridgewater Junior-Senior High School is designed to provide an environment for developing literacy in the three main areas of the technological society in which the student must learn to live:

1. Communication
2. Production
3. Manufacturing

The activity-based, hands-on courses provide all students in the school with the opportunity to explore technology, solve problems systematically, and apply knowledge in a practical manner.

## PRODUCTION TECHNOLOGY

### INTRODUCTION TO TECHNOLOGY

(COLLEGE PREPARATORY)

#13054A

Grades 9 - 12

2.5 credits

Using aspects of the design process and reverse engineering each student will design, construct and finish several projects which will introduce and develop technical skills of the basic hand tools, power equipment, and materials which are used in woodworking. Skills regarding problem-solving, precision measurement, and applying information contained in technical drawing will be developed. Working safely in an industrial environment and personal responsibility will be emphasized. Introduction to Computer Numeric Control (CNC) Machining.

1.1b, 1.2b, 1.2c, 1.3b, 2.1c, 4.1, 4.2, 4.3, 4.4

### PRODUCTION TECHNOLOGY 2

(COLLEGE PREPARATORY)

#13054B

Grades 10 - 12

5 credits

Prerequisite: passing grade in

### INTRODUCTION TO PRODUCTION TECHNOLOGY

This course will strengthen skills learned in Introduction to Production Technology. Students will review operation and safety of hand and power equipment. More advanced processes and techniques in machine operation and fabrication will be introduced. Each student will be required to design, fabricate, and self-evaluate a selected major project using aspects of design process and reverse engineering. Advanced Computer Numeric Controlled (CNC) Machining and Design.

Career paths in the woodworking and construction occupation will be explored. Students will be acquainted with machine and tool maintenance. Aspects of residential construction and the construction industry will be investigated. Working safely in an industrial environment, proper use of hand and power tools and personal responsibility will be emphasized.

1.1b, 1.2b, 1.2c, 1.3b, 2.1c, 4.1, 4.2, 4.3, 4.4

### INTRODUCTION TO COMPUTER AIDED DESIGN & ENGINEERING (CAD 1)

(COLLEGE PREPARATORY)

#21107A

Grades 9 - 12

2.5 credits

This course is an introduction to engineering communication using Computer Aided Drafting software to assist students in learning and developing core knowledge of design/drafting procedures. The course will focus on learning the A+ CAD program for 2-D geometric construction and SolidWorks 3D modeling software. Students following the engineering design process are given a design challenge to create working drawings of a F1 CO2 dragster, fabricate and race their models. The students fabricate their drawn models using 3D printers, CNC equipment and some power tools.

1.1b, 1.2b, 1.3b, 2.1b, 2.1c, 3.3, 4.2, 4.4, 5.1, 5.3

## GRAPHIC COMMUNICATIONS

### COMPUTER AIDED DESIGN & ENGINEERING (CAD 2)

(COLLEGE PREPARATORY)

#21107B

Grades 10 - 12

5 credits

Prerequisite: 70 or above grade

The students will continue to refine techniques learned in SolidWorks and are introduced to plotting intersections, developments, patterns, 3D sketching, weldments, fasteners, multiple planes, reference geometry, sections and working drawings. Acquiring the ability to use this software will provide students with the ability to communicate all construction views and prep files in Mastercam and other cam software. Directly manufacturing products on the cnc, laser, vinyl cutting and 3d printing equipment. Students will problem-solve through the engineering design process. Design challenge projects include signage and packaging.

1.1b, 1.2b, 1.2c, 1.3b, 2.1b, 2.1c, 2.2a, 2.3c, 3.1, 3.3, 4.4, 5.1, 5.3

### ADVANCED COMPUTER AIDED DESIGN & ENGINEERING (CAD 3)

(COLLEGE PREPARATORY) #21107CP

(HONORS) #21107H

Grades 11, 12

2.5 credits

Prerequisite: 75 or above grade in CAD 2

This course will provide students with a working knowledge of gearing and cams, electronic diagrams and structural drafting. A unit of study will also introduce the students to the study of robotics and robots in industry. Using SolidWorks students will design products then prep designs for a 3D Robotic printer, CNC Mill and LASER.

This course (#21107H) is intended for students who plan to pursue an engineering studies course in college. In addition to CADD 3 work, students will explore technical illustration methods and present a portfolio of their work.

1.1a, 1.2b, 1.3b, 2.1a, 2.2a, 2.3c, 3.1, 4.2, 5.1, 5.3

### ARCHITECTURAL DESIGN (CAD)

(COLLEGE PREPARATORY) #21103CP

(HONORS) #21103H

Grades 11, 12

2.5 credits

Prerequisite: passing grade in CAD FUNDAMENTALS or recommendation of instructor

Architectural Design will provide students with an introduction to Architectural Drafting and Design and also with an introduction to the housing design industry. Students will use design briefs to assist in drafting a set of house plans. These plans will include elevations, both front and side, floor, plot, plumbing, and electrical. In addition, a topographical drawing will be produced. A three-dimensional scale model of the design will be constructed and displayed. Students will use 2D CAD software and 3D Envisioneer software for 3D rendering and Building Information Modeling.

This course (#21103H) is intended for students who plan to pursue an engineering studies course in college. In addition to architectural drawing, students will explore problems in structural support and materials and present a portfolio of their work.

1.1a, 1.2b, 1.3b, 2.1a, 2.2a, 2.3c, 3.1, 4.2, 5.1, 5.3

**GRAPHIC COMMUNICATIONS 1**

(COLLEGE PREPARATORY)

#10202A

Grades 9 - 12  
2.5 credits

This course will acquaint the students with graphic communications technology. Through the development and printing of images, image capture by photography, video, scanning, desktop publishing, output by digital printing, and screen printing. Class time will include instruction in the following areas: photography, desktop publishing, screen printing, and offset printing, using Adobe Photoshop, Illustrator and InDesign applications. Products produced include photographic prints, mastheads, newsletters, electronic portfolio, animations and vinyl cutting.

1.1b, 1.2b, 1.2c, 2.1b, 2.1c, 2.2a, 2.3c, 3.1, 3.3, 4.2, 4.4, 5.1

**GRAPHIC COMMUNICATIONS 2**

(COLLEGE PREPARATORY)

#10202B

Grades 10 - 12  
5 credits

Prerequisite: 70 or better grade in GRAPHIC COMMUNICATIONS 1

Computer graphics applications Photoshop, InDesign, Illustrator, and Adobe Premier, will be further explored during this course to create, manipulate, and lay out images. From these applications students will produce products such as: video presentations, multi-color printed t-shirts, calendars, self-portraits, newsletters, posters and booklets. Opportunities are provided to use critical thinking and problem-solving skills in students' own projects. Students also produce various school and system publications including the Viking Saga, and Viking Voice. Students will also engage in Community Service Learning as part of their projects.

1.1b, 1.2b, 1.2c, 2.1b, 2.1c, 2.2a, 2.3c, 3.1, 3.3, 4.2, 4.4, 5.1

**MANUFACTURING TECHNOLOGY**

**MANUFACTURING 1**

(STANDARD)

#13055A

Grades 9 - 12  
2.5 credits

This course will introduce some of the many materials, processes, tools, and machines used in manufacturing of metal products. The student will design, lay out, and fabricate several types of projects. Areas of study will include sheet metal, bench metal, foundry, welding, soldering, brazing and machine equipment, such as the metal lathe, milling machine, and drill press. Skills in design process, problem-solving, precision measurement, and applying information contained in technical drawing will be emphasized.

1.1b, 1.2b, 1.2c, 1.3b, 2.1c, 4.1, 4.2, 4.3, 4.4

**MANUFACTURING 2**

(STANDARD)

#13055B

Grades 10 - 12  
5 credits

Prerequisite: passing grade in MANUFACTURING 1

This course will strengthen skills learned in Manufacturing 1. More advanced processes will be required in each of the major areas of study. Heat treating and the effects of alloying metals will be investigated. The students will be required to design, fabricate, and self-evaluate a major project using the design process. Working safely in an industrial environment, proper use and care of hand and power tools, and personal responsibility will be emphasized.

1.1b, 1.2b, 1.2c, 1.3b, 2.1c, 4.1, 4.2, 4.3, 4.4

**SOCIAL STUDIES**

	CP	Honors	AP*
9	<b>WORLD HISTORY 1</b>	<b>WORLD HISTORY 1</b>	
10	<b>US HISTORY 1</b> The Law (S) Audio-Visual US History (S) Battles Throughout History (S)	<b>US HISTORY 1</b>	
11	<b>US HISTORY 2</b> The Law (S) Psychology (S) Sociology (S) Audio-Visual US History (S) Modern World Affairs (S) American Conflicts Post 1945 (S) Battles Throughout History (S) African American Cultural Studies (S)	<b>US HISTORY 2</b>	<b>US HISTORY 2</b>
12	<b>WORLD HISTORY 2</b> The Law (S) Psychology (S) Sociology (S) Audio-Visual US History (S) Modern World Affairs (S) American Conflicts Post 1945 (S) Battles Throughout History (S) African American Cultural Studies (S)	<b>WORLD HISTORY 2</b>	<b>EUROPEAN HISTORY</b>

**IMPORTANT INFORMATION**

Prerequisites: See page 10 of the Program of Studies to determine prerequisites for movement from College Prep (CP) to Honors (H), and from Honors (H) to Advanced Placement (AP).

Enrollment in Advanced Placement (AP) courses requires participation in end of year AP testing to receive AP credit.

Please Note: Courses with enrollment below 15 students may not run due to lack of interest.



In keeping with the guidelines of the state social studies frameworks, the East Bridgewater Junior-Senior High School social studies department strongly recommends that students take a minimum 20 credits of social studies. The department recommends that students follow the sequence of World History 1 during freshman year followed by United States History parts 1 and 2 in the sophomore and junior years. These should be supplemented by five additional credits selected from elective courses. College bound students are strongly recommended to select World History 2 as an elective during their senior year.

### Graduation Requirement:

All students must successfully complete 15 credits of social studies during their four years at East Bridgewater High School. The following courses: World History 1, World History 2, United States History 1, United States History 2 meet this requirement. Two years of this requirement *must* consist of United States History Parts 1 and 2.

### WORLD HISTORY 1

(COLLEGE PREPARATORY)

#04051CP

Grade 9

5 credits

This is a course designed for students who are planning to attend college, pursue a post-high school training program, or for students planning to enter the workforce directly upon graduation. It is a survey of the significant forces of World History that have contributed to the development of western civilization including; The Legacy of the Ancient World, Religious Systems and Beliefs, Medieval Europe, the Rise of Islam, the Renaissance, the Reformation, the Age of Exploration and Colonization, and the Scientific Revolution. Reading, critical thinking skills, writing, and independent development skills will be developed.

### WORLD HISTORY 1

(HONORS)

#04051H

Grade 9

5 credits

This course is designed specifically for the student who has demonstrated aptitude, achievement, and interest in previous social studies courses. It is a survey of the human experience; each individual society's history and contributions. Most importantly, the course will attempt to reveal common elements of the human experience; dynamic interactions among regions of the world combined with people's attempts to organize societies and governments. Topics to be covered will include The Legacy of the Ancient World, Religious Systems and Beliefs, Medieval Europe, the Rise of Islam, the Renaissance, the Reformation, the Age of Exploration and Colonization, and the Scientific Revolution. The course will be intensive with an emphasis on writing, outside reading, independent research, critical analysis, and interpretation.

### WORLD HISTORY 2

(COLLEGE PREPARATORY)

#04053CP

Grades 10 - 12

5 credits

Prerequisite: passing grade in preceding history course

This is a course designed for students who are planning to attend college or pursue a post-high school training program upon graduation. It is a survey of the significant forces of world history that have contributed to the development of modern western civilization. World history will be brought to life through social, political, and economic themes. General topics include: the French Revolution and Napoleon, the Industrial Revolution, the development of nationalism and imperialism, World War I, World War II, and the modern world. Reading, critical thinking, and independent developmental skills will be emphasized.  
1.1a, 1.1b, 1.2a, 1.2c, 2.2a, 2.2b, 2.2d

### WORLD HISTORY 2

(HONORS)

#04053H

Grades 10 - 12

5 credits

Prerequisite: grade of 85 or above in preceding history course

**HONORS**; grade of 90 or above in preceding history course **CP**.

This course is designed specifically for the student who has demonstrated aptitude, achievement, and interest in previous social studies courses and plans to attend college after graduation. It is a survey of United States History beginning with America's entry into World War I and proceeding up to the present. Topics to be studied include: the World Wars, the Great Depression and the New Deal, the Cold War, the Civil Rights Movement, and America's role as a world power since 1980. This class will proceed at an accelerated pace and the workload will be rigorous, with an emphasis on writing, outside reading (including a historical novel), and critical thinking. This is the second course in the two-year United States History curriculum and is designed for juniors.

### UNITED STATES HISTORY

Part 1

(COLLEGE PREPARATORY)

#04151CP

Grade 10

5 credits

This course is a survey of United States History from the French and Indian War through the Industrial Revolution and is designed for students who plan to attend college, pursue a post-high school training program or for students planning to enter the work force directly upon graduation. Topics covered in this class include the American Revolution, the founding of American Democracy, the Civil War, Manifest Destiny, Westward Expansion, and Reconstruction. This is the first course in the two-year United States History curriculum and is designed for sophomores who will take the second part during their junior year.  
1.1a, 1.1b, 1.2a, 1.2b, 1.2c, 2.2a, 2.2b, 2.2d

**UNITED STATES HISTORY****Part 1****(HONORS)****#04151H**

Grade 10

5 credits

Prerequisite: grade of 85 or above in **WORLD HISTORY 1 H**; grade of 90 or above in **WORLD HISTORY 1 CP**.

This course is designed specifically for the student who has demonstrated aptitude, achievement, and interest in previous social studies courses and plans to attend college after graduation. It is a survey of United States History beginning with the origins of the American Revolution and continuing to the Progressive Era in the early 20th century. Topics to be studied include: early developments in American political, social and economic history, as well as the Civil War, Reconstruction, and major economic changes in the late 19th century. This class will proceed at an accelerated pace and the workload will be rigorous, with an emphasis on writing, outside reading, and critical thinking. This is the first course in the two-year United States History curriculum and is designed for sophomores.

**UNITED STATES HISTORY Part 2****(COLLEGE PREPARATORY)****#04152CP**

Grade 11

5 credits

This course is designed for students who plan to attend college, pursue a post-high school training program or enter the workforce directly upon graduation. It is a survey of United States History beginning with America's entry into World War I and proceeding up to the present. Topics to be studied include: the World Wars, the Great Depression and the New Deal, the Cold War, the Civil Rights Movement, and America's role as a world power since 1980. This is the second course in the two-year United States History curriculum and is designed for juniors.

**UNITED STATES HISTORY Part 2****(HONORS)****#04152H**

Grade 11

5 credits

Prerequisite - grade of 85 or better in **WORLD HISTORY 1H**; grade of 90 or better in **UNITED STATES HISTORY Part 1 CP**.

This course is designed specifically for the student who has demonstrated aptitude, achievement, and interest in previous social studies courses and plans to attend college after graduation. It is a survey of United States History beginning with America's entry into World War I and proceeding up to the present. Topics to be studied include: the World Wars, the Great Depression and the New Deal, the Cold War, the Civil Rights Movement, and America's role as a world power since 1980. This class will proceed at an accelerated pace and the workload will be rigorous, with an emphasis on writing, outside reading (including a historical novel), and critical thinking. This is the second course in the two-year United States History curriculum and is designed for juniors.

**UNITED STATES****HISTORY Part 2****(ADVANCED PLACEMENT)****#04105AP**

Grade 11

5 credits

Prerequisite grade of 90 or better in **UNITED STATES History Part 1 H**.

This course is designed specifically for the student who has demonstrated exceptional aptitude, achievement and interest in previous social studies courses. It is an in-depth study of the Gilded Age through the modern period. Topics include the Progressive Era, the World Wars, the Roaring 20's, the Great Depression, the Cold War, and the Civil Rights Movement. Special focus is also given to the study of several themes across history as well as the development of important historical thinking skills. The material studied and expectations will be similar to what one might encounter as a first year college undergraduate. Extensive reading and analysis will be required throughout the course, and students will also be required to complete writing assignments and outside projects. Students who elect to take this course must take the nationally administered Advanced Placement United States History Test in May. Students must take the AP exam in order to receive AP credit and AP weighting.

1.1a, 1.1b, 1.2a, 1.2b, 1.2c, 2.2a, 2.2b, 2.2c, 2.2d, 3.1, 3.3, 4.2, 4.4

**EUROPEAN HISTORY****(ADVANCED PLACEMENT)****#04056AP**

Grade 12

5 credits

This course is designed specifically for the student who has demonstrated exceptional aptitude, achievement, and interest in previous social studies courses. It emphasizes historically significant events in European history from 1450 to the present. Topics will include, but not be limited to: Revolutions, Religious Changes, Monarchies, World Wars, Nationalism, Imperialism, and Communism. To allow for a multifaceted understanding of these events, students will explore the past from intellectual, cultural, political, diplomatic, social and economic viewpoints. Students can expect to perform deep analysis and interpretation of primary and secondary sources and to develop analytical and interpretive writing skills. Extensive outside study and projects will be required. Students who elect to take this course are required to take the nationally administered Advanced Placement Test in European History during the spring semester. Students who attain a certain level of mastery on this exam may be eligible for college credit. **Students must take the AP exam in order to receive AP credit and AP weighting.**

## Social Studies Elective Courses

### THE LAW

(COLLEGE PREPARATORY)

#04162CP

Grades 10-12

2.5 credits

In this course, students will be given an opportunity to learn about the various legal problems that may someday confront them and the ways these problems may be solved. Some of the topics covered are: the Constitution, the court system, the origins of law, law enforcement, our penal system, and teenagers and the law. Guest speakers, films, visits to court, and class discussions will be utilized in the presentation of this course.

1.1a, 1.2a, 1.2c, 2.2a, 2.2b

### PSYCHOLOGY

(COLLEGE PREPARATORY)

#04254CP

Grades 11-12

2.5 credits

This course will explore the meaning and place of psychology in the social sciences. During this course students will be introduced to the various theories of psychology. Emphasis will be placed on the three major schools; the Psychoanalytic School-Freud; the Humanist School-Maslow; and Behaviorist School-Skinner. Students will also study anatomy and physiology and their relationship to the study of behavior. Reports and outside reading will be required for this course.

1.1a, 1.2a, 1.2c, 2.2a, 2.2b

### SOCIOLOGY

(COLLEGE PREPARATORY)

#04258CP

Grades 11-12

2.5 credits

This course is an introduction to sociology. Some of the areas studied are: the interactions between people and various social groups, the causes and treatment of deviant and criminal behavior, cultural diversity, cultural change and various subdivisions within society, and the tools and techniques used by sociologists. Class discussions, presentations, the creation and implementation of a survey, and standard assessments will be utilized in this course.

1.1a, 1.2a, 1.2c, 2.2a, 2.2b

### AUDIO-VISUAL UNITED STATES HISTORY

(COLLEGE PREPARATORY)

#04149CP

Grades 10 - 12

2.5 credits

This course has been designed as an enhancement of United States History Parts I and II and is intended for all level students. The course will seek to determine the validity of how history has been portrayed through various mediums including speeches, poetry, music, political cartoons, and film. Students will learn to distinguish between fact, elaboration, and fiction as it relates to actual historical events and figures. Some topics to be covered include the Native American Experience, triumphs and tragedies in American society, and American military conflicts. Class discussions, presentations, a video production, and standard assessments will be utilized in this course.

1.1c, 1.2b, 1.3c, 2.1b, 2.2d, 5.3

### AFRICAN AMERICAN CULTURAL STUDIES

(COLLEGE PREPARATORY)

#04107CP

Grades 11-12

2.5 credits

This course will examine the history and culture of black Americans. Topics of study will include slavery and resistance to it, the origins of racism, the Jim Crow Era, the Civil Rights Movement, and the Black Lives Matter Movement. A running theme throughout the course will be the development of institutional racism. The course will feature black artists, writers, leaders, and movements not generally covered in depth in the United States History Curriculum. Class discussions, research, presentations, and traditional assessments will be utilized in this course.

### MODERN WORLD AFFAIRS

(COLLEGE PREPARATORY)

#04061CP

Grade 11-12

This course will examine the region of the Middle East, which is a controversial and important area for American students to understand. An overview of the region from Morocco in Northern Africa to Afghanistan in Asia will be studied. Specific attention will be given to the countries of Iran, Iraq, Saudi Arabia, Israel/Palestine, and Egypt. Through an in-depth exploration of the three monotheistic faiths (Judaism, Christianity, and Islam), which have their birthplace in this region, students will understand the current complexities that exist. They will examine the history, culture, economies, and civilizations from ancient times to present, with an emphasis on the Middle Eastern World today. Finally students will examine current problems and possible solutions from both and Eastern and Western perspective.

### AMERICAN CONFLICTS

POST 1945

(COLLEGE PREPARATORY)

#04103CP

Grade 11-12

This course has been assigned to give students a better understanding of the military conflicts America has been involved in since the conclusion of World War II. Some of the topics to be covered include: the Korean War, the Cuban Missile Crisis, the Space Race, the Vietnam War, the Gulf War, the war on terrorism, and current conflicts. The course will introduce students to the causes, course, and consequences of each conflict, the people involved, as well as the tactics used by the U.S. Military. Included will be an examination of the military today, including training, the chain of command, and Special Forces. The course will use primary source documents and multimedia in the classroom, and students will be evaluated using quizzes, tests, critical thinking assignments, and projects.

### BATTLES THROUGHOUT HISTORY

(COLLEGE PREPARATORY)

#04099CP

Grade 11 - 12

This course has been assigned to give students a better understanding of the military conflicts America has been involved in since the conclusion of World War II. Some of the topics to be covered include: the Korean War, the Cuban Missile Crisis, the Space Race, the Vietnam War, the Gulf War, the war on terrorism, and current conflicts. The course will introduce students to the causes, course, and consequences of each conflict, the people involved, as well as the tactics used by the U.S. Military. Included will be an examination of the military today, including training, the chain of command, and Special Forces. The course will use primary source documents and multimedia in the classroom, and students will be evaluated using quizzes, tests, critical thinking assignments, and projects.

# GRADE 7 & 8

## INTRODUCTORY FOREIGN LANGUAGE FRENCH/SPANISH Grade 8

This 8th grade beginner course in Spanish and French allows students an introduction to explore and develop the four basic language skills of listening, speaking, reading and writing. Through numerous activities including Total Physical Response (TPR), interactive dialogues, cooperative learning groups and individual oral presentations, students develop their language skills. In addition, basic grammar and punctuation are introduced. The classroom presentation is primarily in the target language, facilitating students' understanding and pronunciation of the spoken language. At the end of the 7th grade, students should be able to express themselves in simple conversations in French incorporating the themes of meeting people, describing likes and dislikes, the school, school supplies and schedules, family and the household. 1.1a, 1.2a, 1.2b, 1.2c, 2.1b, 2.2a

# GRADE 7 & 8

## MATHEMATICS

### Expectations

Students should expect homework on a regular basis as homework and practice is a key element of success in math. Students should expect writing assignments on a regular basis that will demonstrate the ability to communicate what they have learned. These writing assignments, as well as other special activities, will give students the opportunity to apply math in a variety of ways.

There will be a number of factors considered when placing students. This includes:

- Math RIT score on the Spring 2019 MAP assessment
- Math fluency assessment
- Grade 6 math assessment
- Teacher recommendation

## MATHEMATICS Grade 7

This course is designed to develop a solid foundation in the concepts of arithmetic and mathematics. Emphasis is placed on strengthening each student's number sense and ability to compute accurately with a concentration on integers, decimals and fractions. Students apply these skills to real-world applications involving ratios, proportions, and percents. The course also includes units and activities in pre-algebra such as simplifying and evaluating expressions, geometry, probability, and statistics. The next recommended course is Pre-Algebra 8.

## PREALGEBRA Grade 7

This course covers both pre-algebra and the topics found in Grade 7 Math. Due to the amount of material covered, this course runs at a more demanding and accelerated pace. Students should have a strong math knowledge base and be self-motivated. Students will build upon their number sense skills while applying algebra to real-world applications. Other topics include statistics and geometry where discussions, investigations, and activities are used to expand basic understanding. The course continues working with integers, coordinate plane, variable expressions, solving equations, measurement, and exponents. Topics such as equations with roots and powers, multiple step equations, linear and nonlinear functions, and systems are taught to prepare students for following Algebra courses. The next recommended course is Algebra 8.

## PREALGEBRA Grade 8

This course is the second year of a two-year sequence for students who need more preparation in basic math skills of addition, subtraction, multiplication, and division of decimals, fractions, and integers. Problem solving skills are developed with connections to real-life applications. Other topics include statistics, probability, and geometry where discussions, investigations, and activities are used to expand basic understanding. The course continues working with integers, number lines, inequalities, variables, variable expressions, solving equations, fractions, decimals, measurement, exponents, equations with roots and powers, multi-step equations, and linear and non-linear equations. The next recommended course is Algebra 1 CP (college preparatory).



# GRADE 7 & 8

## ALGEBRA Grade 8

This course is designed for students who successfully completed Pre-Algebra in grade seven and have demonstrated the ability to understand algebraic concepts. It prepares motivated students with the knowledge and critical thinking skills demanded by the honors level math courses offered at East Bridgewater Junior/Senior High School. Topics include expressions, equations and inequalities in one variable, representing change between two quantities, linear functions, systems, exponential functions, quadratic functions, and rational functions. The next recommended course is Geometry H (honors). *Placement in Geometry H is also subject to an 80 average or better for the year in Algebra 8 and/or lead teacher.*

## SOCIAL STUDIES Grade 7

Grade 7 Social Studies will focus on the Five Themes of Geography and their application to the World today. Students will analyze places in Africa, the Middle East, Southeast Asia and other selected areas by using the five themes of location, place, human / environment interaction, movement and regions. The course will also further student knowledge and understanding of map skills and will lay the foundation for future study of governments, religions, and history. A heavy emphasis is placed on students learning, study and organizational skills throughout the year.

## SOCIAL STUDIES Grade 8

Grade 8 Social Studies will focus on civics and what it means to be an American citizen. This course will help students understand their role in our society and prepare them for the future study of American History. Topics to be covered include the role, duties, responsibilities, and rights of citizenship in our modern democratic society, the foundations of American government, politics and government, laws and the justice system, and Federal State and Local Government. Students will analyze major documents such as the Declaration of Independence and Constitution and assess the role of government today. Students are expected to take an active role in all aspects of the class and will be challenged to think more independently and critically. Study skills, organizational skills, and test taking strategies are provided throughout.

# GRADE 7 & 8

## ENGLISH Grade 7

**Sample of Reading Units:** Poetry, Theme, Elements of Plot, Conflict and Setting, Analyzing Character and Point of View, Biography and Autobiography, Information and Persuasion, Oral Tradition.  
Text: *Holt McDougal Literature: Common Core Edition.*

**Additional Reading Requirements:** *The Cay, The Giver*, student-selected independent reading titles.

**Writing Requirements:** Personal Essay, Descriptive Essay, Persuasive Essay, frequent open responses.

## ENGLISH Grade 8

**Sample of Reading Units:** Plot and Conflict, Facts and Information, Setting and Mood, Theme and Symbol, Argument and Persuasion..  
Text: *Holt McDougal Literature: Common Core Edition.*

**Additional Reading Requirements:** *Flowers for Algernon, The Outsiders*, student-selected independent reading titles.

**Writing Requirements:** Personal Narrative, Short Story, Persuasive Essay, frequent open responses.

# SPECIAL PROGRAMS

## DUAL ENROLLMENT GUIDELINES\*

Available at Bridgewater State College, Stonehill and Massasoit Community College

Dual enrollment is intended to be an extension of a student's high school curriculum. The following conditions must be considered when selecting courses:

- Dual enrollment is available for courses that are **not** offered at East Bridgewater Junior-Senior High School or in the event that course conflict prevents a student from enrolling in a course at East Bridgewater Junior-Senior High School.
- Students must be juniors or seniors and have a GPA of 3.0 or higher at East Bridgewater Junior-Senior High School.
- Dual enrollment courses are part of the East Bridgewater Junior-Senior High School rank and GPA.
- Dual enrollment needs Administrative approval.
- Dual enrollment cannot be used to replace an EBJSHS course or core graduation requirement.

## INDEPENDENT STUDY PROGRAM Grade 12 only

This program is an agreement between a student and teacher to provide an educational opportunity that cannot be offered within the daily school schedule. Each program must be approved by the principal before a student can enroll. The student will work independently on a curriculum designed by the teacher to expand the student's knowledge and expertise in a chosen area. Students will be required to complete a capstone project or present to panel. Grade not included in GPA calculation.

# GUIDANCE AND STUDENT SUPPORT SERVICES

At East Bridgewater Junior-Senior, the school counselors work proactively with students in an effort to maximize student potential and academic achievement. The programming is based on the Massachusetts School Counselors Association's Comprehensive model that is in alignment with the Department of Elementary and Secondary Education. The mission of the Guidance Department is to provide a comprehensive program that supports all students through academic, career, and social emotional growth. All students are supported in the classroom, in small groups, and individually while having access to the information they need to develop in the academic, social-emotional, and college/career domains.

	Skills Building	College & Career	Testing Schedule
<b>Grade 7</b>	Orientation Program Executive Functioning Skills Botvin Life Skills Stress Management Mindfulness Growth Mindset	Learning Styles Career Fair Real Life Fair (Credit for Life for middle school students)	MAP MCAS ELA MCAS Math
<b>Grade 8</b>	Break Free From Depression Botvin Life Skills Executive Functioning Skills Stress Management Growth Mindset	Goal Setting Career Fair Real Life Fair Course Selection Career Exploration	MAP MCAS ELA MCAS Math MCAS Science & Tech
<b>Grade 9</b>	Orientation Program Executive Functioning Skills Transcript Review Academic Success	Career Fair Real Life Fair Course Selection Career Interest Inventory Career Exploration	MAP MCAS Biology
<b>Grade 10</b>	Executive Functioning Transcript Review Academic Success Personality Inventory Self-Advocacy	Course Selection Career Interest/Personality Inventory/Career Match Career Exploration College Planning Seminar	MAP MCAS ELA & Long Comp MCAS Math PSAT (optional) ASVAB (optional) AP (optional)
<b>Grade 11</b>	Transcript Review Academic Success Time Management Planning & Prioritizing	Course Selection Career Planning College field trip Credit for Life Fair College Search Workshop College Essay Workshop Attend College Fairs Common App Workshop	MAP PSAT (optional) SAT (optional) ASVAB (optional) AP (optional)
<b>Grade 12</b>	Transcript Review Academic Success Personal Responsibility/ Decision-Making Long-Term Planning	Career Planning Common App Workshop College tours Interviews with Admissions Scholarship On the spot admissions with Massasoit Award Letter Workshop Preparing for transition to college	SAT (optional) ASVAB (optional) AP (optional)