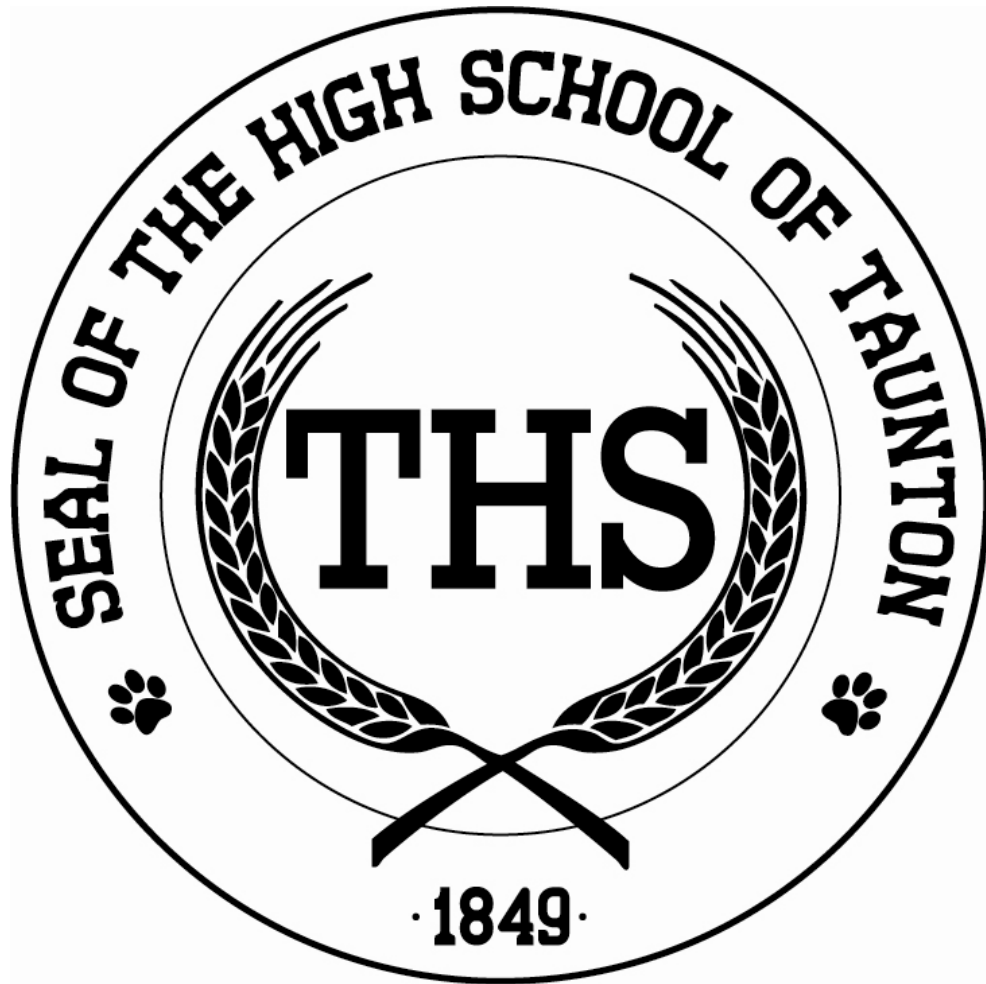


# TAUNTON HIGH SCHOOL



PROGRAM OF STUDIES  
2017-2018

# **TAUNTON HIGH SCHOOL**

## **PROGRAM OF STUDIES 2017-2018**

**Mr. Matthew Mattos**  
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Assistant Headmaster/Academic Dean of Students

**Mr. Paul Bochman**  
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# TAUNTON HIGH SCHOOL PROGRAM OF STUDIES

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## **TAUNTON HIGH SCHOOL MISSION STATEMENT**

Taunton High School's mission is to create lifelong learners while providing equal access and opportunity for all members of our school's community. In pursuit of this goal, we recognize that education is a shared responsibility and that we must create an interactive learning environment that is both safe and secure. We must encourage students to develop critical thinking skills, employ current technology, and become proficient in all forms of communication by experiencing a variety of instructional strategies. Our school community seeks to establish high academic expectations for all students while acknowledging that individuals learn and communicate in various ways.

The Taunton High School community views students holistically and recognizes an obligation to develop not only their intellectual capacity, but also their social, physical, and emotional well being. In striving to accomplish this goal, we offer a broad based curriculum stressing social responsibility, a network of support services, and numerous opportunities for extracurricular involvement. We value the role of the family in the educational process and actively seek that involvement in our school.

We endeavor to create a school environment that enables students to develop into productive citizens by acquiring skills that foster resiliency in a complex society. Enriched by our diversity, we recognize that we must create an atmosphere that fosters cooperation and respect among all students regardless of their cultural and economic backgrounds. Our efforts to include the community in the educational preparation of our students are enhanced through business partnerships, college affiliations, and alliances with local resource and service agencies.

In order to provide an appropriate education for all students at Taunton High School, we believe the following expectations are essential:

### **Expectations for Students**

#### **Academic Expectations**

Through an interactive curriculum, students at Taunton High School will be able to

- Communicate effectively.
- Use independent reading skills.
- Demonstrate quantitative reasoning.
- Think critically.
- Employ a variety of technology.
- Demonstrate creative literacy.

#### **Social Expectations**

Through an interactive curriculum, students at Taunton High School will be able to

- Show respect for other students and staff.
- Work and understand their role within a group setting.
- Acknowledge responsibility for their own actions.
- Resolve conflict without resorting to the use of violence.

#### **Civic Expectations**

Through an interactive curriculum, students at Taunton High School will be able to

- Participate meaningfully in the school community.
- Exhibit a commitment to community involvement.
- Demonstrate the rights and responsibilities of a democratic society.

We acknowledge that this mission statement must be reviewed regularly by the school and student councils, by the faculty as a whole, and by departmental curriculum committees during their revision cycles.

Taunton High School does not discriminate on the basis of race, color, sex, religion, national origin, sexual orientation, gender identity or disability in accordance with Section 5 of Chapter 76 of the Massachusetts General Laws.

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## GRADUATION REQUIREMENTS

<b>English</b>	4 semesters
<b>Mathematics</b>	4 semesters
<b>Social Studies</b>	3 semesters
<b>Science</b>	3 semesters (At least one semester must be a Biology course)
<b>Wellness</b>	4 semesters (1 Health/Wellness, 1 PE, two semesters should be fulfilled through a waiver)

### **STUDENTS NEED 140 CREDITS TO GRADUATE FROM TAUNTON HIGH SCHOOL**

To remain in Class of 2018, students must earn 100 credits by the end of their junior year.

To remain in Class of 2019, students must earn 60 credits by the end of their sophomore year.

To remain in Class of 2020, students must earn 30 credits by the end of their freshman year.

To remain in Class of 2021, students must pass three out of four core academic classes by the end of their eighth grade year.

In addition to local graduation requirements, students must score a minimum of 240 on the Massachusetts Comprehensive Assessment System (MCAS) exams in English and Mathematics, or score at least a 220 and complete an Educational Proficiency Plan. In addition, students must pass one of the four MCAS exams in Science, Technology, and Engineering in order to receive a diploma.

## COURSE SELECTION GUIDELINES

### Students in the Class of 2020

1. Must select a course that fulfills a graduation requirement in the English, Mathematics, Social Studies, Science, and Wellness departments.
2. Must select support courses in English or Mathematics as recommended by the curriculum supervisors of those departments.
3. May select a course in the Foreign Languages Department.
4. May select up to two electives from among the following departments: Business and Technology, Family and Consumer Science, Industrial Technology, Visual Arts, or Performing Arts.

### Students in the Class of 2021

1. Must select a course that fulfills a graduation requirement in the English, Mathematics, Social Studies, and Science Departments.
2. Must select support courses in English or Mathematics as recommended by the curriculum supervisors of those departments.
3. May select a course in the Foreign Languages Department.
4. May select one elective from among the following departments: Business and Technology, Family and Consumer Science, Industrial Technology, Visual Arts, or Performing Arts.

### Students in the Class of 2022

1. Must select the core courses offered in the English, Mathematics, Social Studies, and Science departments.
2. Must select support courses in English as recommended by the curriculum supervisor or the English Department.
3. May select an Honors level course in the Foreign Languages Department, if recommended.
4. May select electives from the following departments: Business and Technology, Family and Consumer Science, Industrial Technology, Visual Arts, Performing Arts, or Wellness.

### GUIDANCE SERVICES

Guidance counselors work with all students to help them achieve success in the educational system. They focus on direct services to students and parents while building collaborative relationships to help resolve academic and social problems. Their goal is for each student to develop a clear focus and sense of direction in order to maximize achievement. Counselors meet with students to help them make appropriate course selections, emphasizing that the right choices now lead to opportunities in the future. Counselors identify resources that can help students explore their educational and career goals, while encouraging them to challenge themselves academically and extracurricularly.

<b>Counselor Name</b>	<b>Students with last name starting:</b>	<b>Phone Number</b>
Mr. Homer	A – Buck	508-821-1139
Ms. Barbour	Bud – Dej	508-821-1143
Mrs. Golder	Del – Gonz	508-821-1140
Ms. McCarthy	Goo-Lew	508-821-1238
Mrs. McDevitt	Lex – Mura	508-821-1142
Mrs. Rosenberg	Murb – Riv	508-821-1141
Mr. Gay	Riw – Ter	508-821-1293
Mr. Bochman, Head of Guidance	Tes – Z	508-821-1105

### COLLEGE BOUND STUDENTS

Minimum eligibility for admission to a Massachusetts state college or university includes seventeen units of Honors or College Prep course work, a GPA of 3.0, and a passing score on the MCAS exams. SAT and/or ACT scores are also considered. Minimum course load should include:

English	4 courses
Mathematics	4 courses (Algebra I, Algebra II, and Geometry, including a math course during the senior year)
Science	3 courses (2 with laboratory work, 4 courses for selective colleges)
Social Studies	2 courses (1 in US History)
Foreign Languages	2 courses of the same language (3 or 4 for selective colleges)
Electives	2 courses

It is recommended that students take the PSAT a minimum of two times, including one in October of their junior year, and the SAT I or the ACT in the spring of their junior year. Students are encouraged to take the appropriate Subject Area Test of the SAT II at the completion of the qualifying courses in order to meet the criteria for selective colleges.

### CAREER TECHNICAL EDUCATION

The Career Technical Education Programs provide students with important life and employment skills and technical experiences which align with the Massachusetts DESE's Career/Vocational Technical Education Frameworks. The curriculum is designed to prepare students for post-secondary education or to enter the work force. CTE faculty members have all been successful in business and industry and are able to incorporate best industry practices in their daily lesson plans. CTE classes include the following Career Clusters:

**Arts and Communication Services Cluster** - Radio and Television Broadcasting, Design and Visual Communications Program

**Business and Consumer Cluster** - Fashion Technology, Marketing, and Business Technology Programs

**Construction Cluster** - Carpentry Program, Cabinetmaking Program

**Education Cluster** - Early Education and Care Program

**Hospitality Cluster** - Culinary Program

**Information Technology Services Cluster** - Information Support Services; Networking, Programming and Web Development Programs

**Manufacturing, Engineering, and Technology** - Drafting Program

The CTE Exploratory 9 course, the prerequisite to all upper level CTE courses, allows students to explore the Career Clusters available at Taunton High School. Students receive instruction in career pathways and are exposed to all CTE programs over the course of the semester.

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## ENGLISH DEPARTMENT

Every class offered within Taunton High School's English department has been designed to hold all students to high expectations and inspire them to achieve academic success. Through our summer reading program, students are required to read works of literature independently and are held responsible for analyzing, synthesizing, and evaluating the text. In daily classroom lessons, students are encouraged to communicate effectively by using superior vocabulary and effective language structures to engage their audience. However, student achievement is only one component of our school's mission statement that is addressed on a daily basis through classroom instruction. Teachers also promote Taunton High School's social and civic expectations to address the needs of the whole child on a daily basis within our classrooms. As a result of holding our students to these expectations, they will have the resources, guidance, and instruction necessary to become lifelong contributing members of our society in the twenty-first century.

### **Guidelines for Parental Consideration**

**SUMMER READING** is encouraged throughout the summer months. The required reading expectations and summer reading lists for all courses and levels can be found on the THS website. Please refer to these lists for the most recent updates for each course.

**COLLEGE PREP 2 ENGLISH** is designed to help students improve reading, vocabulary skills, and writing proficiency as they strive to achieve our school's academic standards in preparation for a two-year college, trade school, or the work force. In order to prepare for challenges after high school and to achieve our school mission, students in College Prep 2 English work toward meeting the standard for all six of our academic expectations, focusing on the following during the duration of the course: (1) communicate effectively and (2) use independent reading skills.

**COLLEGE PREP 1 ENGLISH** provides students working at or above grade level the opportunity to continue to improve their reading ability, vocabulary skills, and writing proficiency as they strive to achieve our school's academic standards in preparation for a four-year college and the work force. In order to prepare for challenges after high school and to achieve our school mission, students in College Prep 1 English work towards meeting and exceeding the standard for all six of our academic expectations, focusing on the following through the duration of the course: (1) communicate effectively, (2) use independent reading skills, and (4) think critically.

**HONORS AND ADVANCED PLACEMENT ENGLISH** are designed for motivated learners and feature a rigorous reading and writing schedule. This program is for students who have an internalized work ethic and strong academic skills that include: superior writing and reading comprehension skills, internal drive, the ability to work independently, a sense of academic accountability and responsibility, and the willingness to be proactive concerning academics.

To be initially enrolled in or to maintain placement in our honors/advanced placement program, students must consistently demonstrate aptitude and effort. A student clearly demonstrates aptitude and effort if he or she earns a B+ or better in his or her current honors course, earns a B+ or better on the final examination and receives a teacher recommendation. Other factors that may be considered are: the maintenance of a B+ or better for the duration of an honors course; an advanced or high proficient score on the most recent ELA MCAS test; a B+ or better on all summer reading examinations; a 3 or better on an AP English examination; and a passing score on a departmental placement test. Incoming eighth graders take placement tests in the spring of their seventh grade year.

**Please note that once a student enrolls in an AP English course, he or she will not be allowed to switch levels except under extraordinary circumstances.**

In order to prepare for challenges after high school and to achieve our school mission, students in AP/Honors English work towards exceeding the standard for all six of our academic expectations, focusing on the following through the duration of the course: (1) communicate effectively, (4) think critically, and (6) employ creative literacy.



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## Courses of Instruction

### **8800 English 8 Honors**

English 8 Honors introduces the exploration of ten common themes as represented by various literary genres, including drama, poetry, short stories, and non fiction. Literary terms are taught through the analysis of literary works, and opportunities for students to master written expression are routinely incorporated within lessons. Open-ended questions are employed wherever appropriate in preparation for MCAS tests. One preliminary research assignment will be assigned utilizing the library and its resources. Two literary selections are required summer reading before entering this course.

### **8801 English 8 College Prep 1**

English 8 College Prep 1 introduces the exploration of ten common themes as represented by various literary genres including drama, poetry, short stories, and non fiction. Students explore a variety of writing modes and become acquainted with literary genres and terms. Open-ended questions are employed wherever appropriate in preparation for MCAS tests. The use of the library and its resources is studied in conjunction with the introduction of the basic research skills needed to acquaint the students with the format of a research assignment. One selection from the summer reading list must be read outside of class during the semester scheduled for English.

### **8802 English 8 College Prep 2**

English 8 College Prep 2 introduces the exploration of ten common themes as represented by various literary genres including drama, poetry, short stories, and non fiction. Students learn and practice a variety of writing modes in preparation for MCAS tests. In addition, literary devices and vocabulary will be taught by examining literary works and utilizing group work. The library and its resources will be examined and utilized. One selection from the reading list will be read in class during the semester scheduled for English.

### **8804A Literacy Skills for the 21<sup>st</sup> Century**

The course is designed to provide literacy skills for students who have demonstrated a need for foundational support. In addition to these strategies and skills, students will improve reading decoding, expand vocabulary, and increase comprehension skills for complex texts. Identification of students for this course is based on previous English coursework, test results, MCAS scores, and ELA supervisor's recommendation.

### **8805 Composition 8**

This course focuses on the skills that students need to master in order to write effectively for various audiences and purposes. Rules of grammar and elements of style are reinforced and emphasized as a strategy for better writing. By learning to utilize the various stages of the writing process within their compositions, students will learn to edit their own work to produce writing that is meaningful and focused. Identification of students for this course is based on previous reading and English coursework, test results, MCAS scores, and ELA supervisor's recommendation.

### **009 ELA Strategies 9**

**5 Credits**

This course is designed for ninth-grade students who have not yet mastered necessary high school level English skills. The course provides strategies to be utilized when writing long compositions and open response questions on the ELA MCAS. Written responses are also based on literary selections that are read in class. In addition to writing strategies, various reading skills and concepts will be addressed including the following: linguistics, vocabulary, reading comprehension, critical reading/writing, and construction of meaning. Identification of students for this course is based on previous reading and English coursework, test results, MCAS scores, and ELA Supervisor's recommendation.

### **013 English I Honors**

**5 Credits**

**Prerequisite: B or better in English 8 Honors.**

English I Honors introduces the exploration of ten common themes as represented by various literary genres. Literary terms are taught through the analysis of literary works. Opportunities for analytical and creative expression are provided. One preliminary research assignment and one major research paper is assigned utilizing the library and its resources. Two literary selections are required summer reading before entering this course.

**014 English I College Prep 1****5 Credits****Prerequisite: C or better in English 8 College Prep 1.**

English I College Prep 1 introduces a four-year, sequential vocabulary, grammar, and literature program using a thematic approach. Students learn the basics of persuasive, expository, descriptive and narrative writing and become acquainted with literary genres and terms. The use of the library and its resources is studied in conjunction with the introduction of the basic research skills needed to acquaint students with the format of a research paper. One selection from the summer reading list must be read outside of class during the semester scheduled for English.

**015 English I College Prep 2****5 Credits**

English I College Prep 2 introduces a sequential study of grammar and literature using a thematic approach. Students acquire experience in the practical and creative aspects of writing through exposure to the basics of expository, descriptive, narrative and persuasive writing. Vocabulary and spelling skills are developed through a sequential vocabulary program as well as the study of words in context. Group work and peer evaluation is required. The library and its resources are examined and utilized. One selection from the list will be read in class during the semester scheduled for English.

**023 English II Honors****5 Credits****Prerequisite: B or better in English I Honors.**

English II Honors consists of the exploration of ten common themes as represented by various literary genres including Shakespearean and Greek drama. Literature is also analyzed from the perspective of basic generic elements and style. Grammar, mechanics, and usage are emphasized in the course, as well as the practice of composition skills. Students respond to open-ended questions routinely and are expected to master many types of written expression, including the research paper. Vocabulary is studied through context and is geared to preparation for the MCAS and SAT. Two literary selections are required summer reading before entering this course.

**024 English II College Prep 1****5 Credits****Prerequisite: C or better in English I College Prep 1.**

English II College Prep 1 continues the study of vocabulary, grammar, mechanics, and usage as well as a thematic study of literature. Ten themes are explored in the various genres. Writing skills are stressed through frequent, required compositions. Open-ended questions are employed wherever appropriate in preparation for MCAS tests. A research paper, evaluated on the basis of form and content, is also required. One selection from the summer reading list must be read outside of class during the semester scheduled for English.

**025 English II College Prep 2****5 Credits**

English II College Prep 2 continues a study of vocabulary, grammar, mechanics, and usage as well as a study of literature based on ten universal themes. The course emphasizes the practical implementation of language, composition, and critical thinking skills, as well as cooperative learning projects to engage all students. Written expression is fostered through the regular use of a journal. Also, formal compositions are required at the culmination of each thematic subunit. One summer reading selection will be read in class during the semester scheduled for English.

**032 English III Honors****5 Credits****Prerequisite: B or better in English II Honors.**

This course is designed for the motivated learner and features a rigorous reading and writing schedule. The curriculum is developed around ten thematic units that consist of a variety of poems, short stories, plays and prose works by American authors. Analytical and interpretive reading and writing skills are a central focus of the course together with vocabulary, analogy and research assignments. Two literary selections are required summer reading before entering this course.

**033 Advanced Placement English III  
(AP English Language and Composition)****5 Credits****Prerequisite: B+ or better in English II Honors, teacher recommendation, completion of summer reading.**

Advanced Placement English III is a course designed for those students who are enthusiastic, capable learners and have performed at an exemplary level in their previous English classes. The course seeks to reflect the requirements and rigors of a college level survey class in both rhetorical readings and American literature with a rigorous reading and writing schedule. A chronological approach to the rich American literary heritage engages students in an understanding of the various literary movements of America, as well as the principal writers who were a part of each. Several research projects together with independent reading assignments are required throughout the course. Each student who participates in this course is expected to take the Advanced Placement Examination in the spring.

**034 English III College Prep 1 5 Credits****Prerequisite: C or better in English II College Prep 1.**

English III College Prep 1 is a course designed to provide the college bound student with a representative sampling of American literary works in each genre using a thematic approach. Linked closely to the literary selections studied is an emphasis on composition, including narrative, expository, and argumentative writing. In addition, a formal research paper is required, grammatical skills are reinforced through composition, and vocabulary development is continued. One selection from the summer reading list must be read outside of class during the semester scheduled for English.

**037 English III College Prep 2 5 Credits**

English III College Prep 2 is a course designed to improve reading and vocabulary skills as well as writing proficiency. A survey of American literary works in each genre will be studied using a thematic approach. Vocabulary development is continued, and grammatical skills are stressed through composition. A research project utilizing the resources of the library is required. One selection from the list will be read in class during the semester scheduled for English.

**039 Writing for Publication I 5 Credits****Prerequisite: B or better in most recent English class.**

Writing for Publication I is devoted to the study of creative writing and various journalistic writing styles. Students learn to develop their writing to reach a targeted audience and to design their product by employing the fundamentals of page layout. Students also become familiarized with computer software associated with desktop publishing. The class works closely with the graphic arts department in producing the student newspaper The Tauntonian and the literary magazine As You Like It.

**039A Writing for Publication II 5 Credits****Prerequisite: B or better in Writing for Publication I, teacher recommendation.**

Writing for Publication II provides further opportunity for the study of creative writing and various journalistic writing styles. Students refine their writing skills, become more adept at page layout, and take on leadership and editorial roles on The Tauntonian and the literary magazine As You Like It.

**104 College Test Prep 5 Credits****Prerequisite: English II earning a C or better and/or teacher recommendation. This course is designed for juniors.**

The course is college prep course designed to be a general review of topics covered in the English and mathematics portions of standardized college placement tests including but not limited to SAT I, SAT II, ACT, Accuplacer, and other college placement tests. Focus will be on critical reading, writing, and math. This course does not count toward the student's English or math requirement. This semester course will rotate in a nine week cycle between English and mathematics. A fee of \$10 may be applied for a practice Accuplacer computer exam.

**038 Introduction to Drama 5 Credits****Prerequisite: B or better in most recent English class and teacher recommendation**

This course is designed to introduce students to acting techniques including: improvisations, scene work, and monologues. It is an activity-based course which will require students to study character analysis while learning basic theatre etiquette, audition process, and basic stage and rehearsal terms. Memorization and performing in front of peers are required.

**040 Advanced Placement English IV 5 Credits  
(AP English Literature and Composition)****Prerequisite: B+ or better in Advanced Placement English III.**

Advanced Placement English IV is designed to accommodate superior senior students who demonstrate a high aptitude in language arts, are highly motivated, and have mastered the skills of writing. The course operates on three levels simultaneously: a vigorous writing program, an in depth study of literature in all its genres, and a program of independent research. Extensive summer reading and two major research projects are required, as well as a variety of written assignments. Students who participate in this course are expected to take the Advanced Placement Examination in the spring.

**English IV College Prep****5 Credits**

English IV College Prep is designed to prepare students for college level work. Paramount in this course is critical analysis, both oral and written. It is expected, therefore, that the student can reason at different levels of abstraction, and explain the role of form and content in articulating the theme of a work studied. A major focus of this course is the mastery of writing skills, and the writing of a formal research paper is required. Grammar, vocabulary and spelling relevant to topics are studied. One selection from the summer reading list must be read outside of class during the semester scheduled for English. Students can indicate a preference from the following selection of topics, but enrollment in the topic of preference is based on availability and cannot be guaranteed:

**041A English IV College Prep: Shakespeare**

Students will engage in a thematic exploration of the plays of Elizabethan playwright William Shakespeare. Building on the knowledge and skills developed through the study of the author's plays in earlier courses, students will read plays from multiple genres and continually connect the issues of the plays to those of the current day. Projects for the course will be active, hands-on, and differentiated by interest and experience.

**041B English IV College Prep: Gods Among Men**

This course will examine the relationship humans have with gods in literature as well as how gods define and are defined by their respective cultures. Drawing on texts from multiple traditions, the course will discuss why we write about gods as well as how humans have attempted to join the pantheon of gods in search of answers to life's mysteries. Students will need to enter this class with minds willing to explore and interrogate personal, traditional, and cultural ideologies of faith in literature.

**041C English IV College Prep: Young-Adult Literature: The Coming-of-Age Novel**

This course explores the themes of coming-of-age, with a focus on adolescent psychology and moral development. Students will be expected to analyze literary themes and characters through writing, research, and discussion. Students will develop an understanding of the genre's cultural significance as well as explore essential concepts such as what issues influence young people today, common themes in young-adult literature, and insight that can be obtained from the coming-of-age novel.

**English IV Honors****5 Credits****Prerequisite: B or better in English III Honors.**

This course continues the schedule of rigorous reading and writing for the motivated learner. This course emphasizes the development of the English language and the importance of Standard English, American and British, throughout the world. Analytical and interpretive reading and writing skills are a major focus as students complete several research projects and continuous independent reading assignments throughout the course. Two literary selections are required summer reading before entering this course. Students can indicate a preference from the following selection of topics, but enrollment in the topic of preference is based on availability and cannot be guaranteed:

**042A English IV Honors: Dystopian Literature**

This course surveys classics of dystopian literature. Students will examine the role of the individual in society, the morality of dissent, and the authors' themes in their respective temporal contexts. Students will write in various rhetorical forms and in diverse formats in order to develop their voices as writers as they examine their own role in society.

**042B English IV Honors: Gender in Literature**

The standard high school English curriculum is based on a variety of literary works dominated by white male authors writing about issues relevant to them. "Others" who do not identify with this description are expected to conform, and as a result, their voices are pushed to the side and viewed as inconsequential. This course aims to address this injustice by focusing on these writers whose voices have been viewed as insignificant within our society. Students will develop multiple interpretations and responses to literary texts and support their viewpoints with textual evidence, both in discussions and writing. Also, they will discover how texts communicate cultural values and ideas through a variety of approaches to the reading and appreciation of literature. Works read include *Like Water for Chocolate*, *Frankenstein*, *Twelfth Night*, *The Color Purple*, and *Jane Eyre*, as well as a number of ancillary texts.

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## MATHEMATICS DEPARTMENT

All courses in the Mathematics department align with the school's mission statement and expectations for student achievement. Special emphasis is placed on the academic expectations of (4) critical thinking, in which students provide an organized process to develop multiple solutions based on educated reasoning; (3) quantitative reasoning, in which students use the language and methods of mathematics graphically, numerically, algebraically, and verbally; and (5) employing technology, in which students demonstrate mastery of appropriate skills and concepts through the integration and application of mathematics in twenty-first century society.

### **Guidelines for Parental Consideration**

#### **COLLEGE PREP 2 MATHEMATICS**

College Prep 2 provides students working at grade level the opportunity to continue to improve mathematical skills and further develop mathematical concepts as they strive to achieve our school's academic standards in preparation for college or the work force. This college preparatory course is designed to provide a solid foundation of the frameworks. Students in College Prep 2 will focus on the MA Frameworks with Common Core.

#### **COLLEGE PREP 1 MATHEMATICS**

College Prep 1 provides students working at grade level the opportunity to continue to improve mathematical skills and further develop mathematical concepts as they strive to achieve our school's academic standards in preparation for college or the work force. This advanced college preparatory course is designed to provide a solid foundation of the frameworks. Students in College Prep 1 will focus on 1) MA Frameworks with Common Core and 2) Advanced theories and principles behind concepts and theorems.

#### **HONORS & ADVANCED PLACEMENT MATHEMATICS**

Honors and AP courses provide highly motivated and students who have demonstrated academic success with a differentiated curriculum that includes a wider range and greater depth of subject matter than that of a traditional college prep course. Honors and AP courses demand the highest level of participation, effort, and quality from students. The curriculum is rigorous, stresses concept development and places emphasis on independent study, critical thinking, and student research. Honors and AP classes require students to utilize habits of independent analysis, creativity, collaboration, leadership, and intellectual skills.

**Please note that once a student is accepted into an AP Math course, he or she will not be allowed to switch levels except under extraordinary circumstances.**

**OPEN ENROLLMENT POLICY:** The mathematics staff at Taunton High School strongly encourages and promotes the principle of equitable access to advanced curriculums. We are committed to the principle that all students deserve an opportunity to participate in rigorous and academically challenging courses and programs. All students who are willing to accept the challenge of a rigorous academic curriculum will be given consideration for admission to any given course. Please consult the mathematics department or your guidance counselor for further information.

### **Courses of Instruction**

#### **COURSES FOR EIGHTH GRADERS**

##### **8810 Math 8 Honors**

##### **8010 Math 8 Fall College Prep AND 8110 Math 8 Spring College Prep**

Designed to give students a strong foundation in pre-algebra/algebra, this course focuses on preparing students for future mathematics study and the demands of the rigorous high school curriculum. This course introduces symbolism to express abstract ideas. Emphasis will be on involving students in exploring and discovering mathematical concepts as well as connecting algebra to the real world and other subjects. The course uses functions as a unifying theme, integrates technology as a problem-solving tool and connects algebra to geometry, data analysis, probability and discrete mathematics. Areas of study include the following: exploring data, patterns, change and expressions; functional relationships; linear equations and inequalities; linear functions and their graphs; systems of equations and inequalities: roots and radicals; coordinate geometry; polynomials; polynomial functions; quadratic equations. This course integrates MA Frameworks and Common Core skills necessary for success in high school and beyond.

**ALGEBRA I****5 Credits****112 Algebra I Honors****Prerequisite:** B+ or better in Honors Math, teacher recommendation.**113 Algebra I College Prep 1****117 Algebra I College Prep 2**

These algebra courses introduce symbolism to express abstract ideas. Emphasis is on involving students in exploring and discovering mathematical concepts as well as connecting algebra to the real world and other subjects. The courses use functions as a unifying theme, integrates technology as a problem-solving tool and connects algebra to geometry, data analysis, probability and discrete mathematics. Areas of study include the following: exploring data, patterns, change and expressions; functional relationships; linear equations and inequalities; linear functions and their graphs; systems of equations and inequalities; roots and radicals; coordinate geometry; polynomials; polynomial functions; quadratic equations.

**MATH STRATEGIES****5 Credits****129 Math Strategies**

This course is designed for students who have experienced some difficulty with previous coursework in mathematics. The primary objective of this course is to better prepare students for success in Algebra I and success in future mathematics courses. Student identification is based on previous coursework and a readiness determination for algebra conducted during the grade 8 school year. Various skills and mathematical concepts will be addressed. Areas of study include the following: order of operations, properties of real numbers, operations with decimals, integers, and fractions, percents and proportions, solve simple equations, square roots, and linear equations. This course does **not** count towards meeting the mathematics graduation requirement.

**MATH CONNECTIONS****5 Credits****126 Math Connections 10**

Designed to help prepare sophomores for the demands and high standards of high school mathematics and enhance each student's experience in algebra and geometry, this course focuses on the six strands of mathematics: number and quantity; algebra, functions; modeling; geometry; and probability and statistics. Multiple strategies for problem solving will be reinforced and emphasized to improve mathematics achievement in school and on the MCAS exam. This course does not count towards meeting the mathematics graduation requirement.

**GEOMETRY****5 Credits****111 Geometry Honors****Prerequisite:** B+ or better in Algebra I Honors, teacher recommendation.**123 Geometry College Prep 1****127 Geometry College Prep 2**

Each Geometry course uses the processes of deductive and inductive reasoning to develop theory, solve problems and demonstrate proof. Areas of study include the following: congruence; similarity; inequalities; parallelism; perpendicularity; areas and volumes; and properties of polygons, circles and three-dimensional figures. Key algebraic topics are integrated throughout this course in preparation for MCAS and the SAT. Geometry Honors is designed to prepare students for the Advanced Placement curriculum. Both the Geometry Honors and Geometry College Prep 1 are taught from a deductive perspective, whereas Geometry College Prep 2 primarily utilizes an inductive approach.

**ALGEBRA II****5 Credits****121 Algebra II Honors****Prerequisite:** B+ or better in Geometry Honors, teacher recommendation.**133 Algebra II College Prep 1****134A Algebra II College Prep 2**

Each Algebra II course is a continuation of the Algebra I – Geometry sequence. Emphasis is on involving students in exploring and discovering mathematical concepts as well as connecting algebra to the real world and other subjects. The course uses functions as a unifying theme, integrates technology as a problem-solving tool, and connects algebra to geometry, data analysis, probability and discrete mathematics. Areas of study include the following: systems of equations and inequalities; rational expressions; relations and functions; quadratic equations; exponential and logarithmic functions; binomial expansions; complex numbers; conic sections; probability and statistics. Algebra II Honors is designed to prepare students for the Advanced Placement curriculum.

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**INTEGRATED MATH**
**137 Integrated Math I College Prep 2****5 Credits**

This course is designed as a third year math course for junior or senior students who have completed the College Prep 2 Algebra/ Geometry sequence and are interested in improving their mathematical skills. It is also required for junior or senior students who have yet to achieve a competency determination on the MCAS mathematics test. It is the third course in a three-semester sequence and deals with both Algebra and Geometry topics. The course content is prescribed from a set of main topics included on the MCAS exam as well as an analysis of the individual instructional group's strengths and weaknesses. The course also emphasizes problem-solving and test-taking skills. Students taking this College Prep 2 level course should continue their study of mathematics by taking Algebra IIB to be fully prepared for the rigors of college level mathematics, or Integrated Math II for school-to-work programs.

**157 Integrated Math II College Prep 2****5 Credits**

This course is designed for junior or senior students 1) who need a fourth year math course and have completed Integrated Math I College Prep 2 or 2) who have struggled in the Algebra I/Geometry College Prep 2 sequence and need strengthening and extension of Algebra and Geometry math skills. This course integrates concepts from number sense, algebra, geometry, data analysis and probability in order to emphasize the natural connections among mathematical topics. It is designed to prepare students for a two year college or work. This math course fulfills the 4th year math requirement for students with a MCAS Math Education Proficiency Plan (EPP).

**21<sup>st</sup> CENTURY APPLICATIONS OF MATH****158 21<sup>st</sup> Century Applications of Math****5 Credits**

This course explores the relevance of mathematics in a wide range of disciplines such as science, technology, business and commerce. Students survey the application of mathematics as a problem-solving tool in the real world. This is a project-driven course with topics ranging from math in criminology, demographics, retail, stock market, home buying, sports, gambling, encryption, logic, travel, statistics and various applicable areas. These topics broaden a student's mathematical horizon in an interesting and relevant direction. This course covers common core concepts and the practical aspects of applying them to daily living.

**PRECALCULUS****5 Credits****131 Precalculus Honors****Prerequisite: B+ or better in Algebra II Honors, teacher recommendation****146A Precalculus College Prep 1**

Each third-year precalculus course is designed to prepare the student to take some form of calculus in the future. The course integrates technology as a problem-solving tool and makes connections across mathematical disciplines. Areas of study include the following: trigonometric functions, identities, relationships and equations; complex numbers; series and sequences; theory of polynomial functions; matrices and determinants; and probability and statistics. Any student who is planning a career in the medical, scientific, engineering, or business field should take this course. Precalculus Honors is designed to prepare students for the Advanced Placement curriculum.

**144A Algebra III College Prep 2**

This course is designed for the college-bound student as a stepping stone for those interested in taking Precalculus & Calculus in the future but need to develop stronger Algebra skills to fill in the gap. The course integrates technology as a problem-solving tool and makes connections across mathematical disciplines. This Algebra III course will extend Algebra, cover introductory college math concepts and introduce basic Precalculus concepts. Areas of study include the following: rational functions, data analysis, statistics, sequences & series, quadratic relations, conic sections, trigonometric ratios & functions, and trigonometric graphics, identities & equations. Any student who is planning a career in the medical, scientific, engineering, or business field should take this course.

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**STATISTICS**
**132 AP Statistics****5 Credits****Prerequisite: B or better in Algebra II Honors.**

Advanced Placement Statistics is an advanced level in accordance with the College Board requirements. Students may elect the Advanced Placement Course for which, upon successful completion of a national exam, the college a student attends may waive a freshman requirement. The AP course meets daily throughout the school year.

**139A Statistics & Probability Honors****5 Credits****Prerequisite: B or better in Algebra II Honors or Algebra II College Prep 1, teacher recommendation.****135A Statistics & Probability College Prep 1****5 Credits****Prerequisite: C+ or better in Algebra II, teacher recommendation.**

This course is designed to expose students to those topics included in a college level course in elementary statistics. The course integrates technology as a problem-solving tool and makes connections across mathematical disciplines. Areas of study include the following: exploring and organizing data; the normal distributions; data relationships; non-linear relationships; correlation and regression; samples and experiments; probability; and inference. This course is highly recommended for any student who is planning a career in the social science, education, business, criminal justice, psychology, or political science fields should take this course

**CALCULUS****142 AP Calculus****10 Credits****Prerequisite: B+ or better in Precalculus Honors, teacher recommendation.**

Advanced Placement Calculus is an advanced level in accordance with the College Board requirements. Students may elect the Advanced Placement Course for which, upon successful completion of a national exam, the college a student attends may waive a freshman requirement. The AP course meets daily throughout the school year.

**145A Calculus Honors****5 Credits****Prerequisite: C or better in any Precalculus class.**

The major purpose of the Calculus course is to acquaint students with formulas and procedures needed in their college mathematics and science courses. This course is divided into two major parts, differential calculus and integral calculus. Differential calculus is the branch of calculus that deals with rate at which a variable quantity is changing, and Integral calculus is the branch of calculus that deals with finding a function when the rate of change is given. The course integrates technology as a problem-solving tool and makes connections across mathematical disciplines. This course is highly recommended for any student who is planning a career in the medical, scientific, engineering, or business field.

**COLLEGE TEST PREP****104 College Test Prep****5 Credits****Prerequisite: English II earning a C or better and/or teacher recommendation. This course is designed for juniors.**

The course is college prep course designed to be a general review of topics covered in the English and mathematics portions of standardized college placement tests including but not limited to SAT I, SAT II, ACT, Accuplacer, and other college placement tests. Focus will be on critical reading, writing, and math. This course does not count toward the student's English or math requirement. This semester course will rotate in a nine week cycle between English and mathematics. A fee of \$10 may be applied for a practice Accuplacer computer exam.

**COMPUTER PROGRAMMING ELECTIVES**

These courses do not count towards the student's math graduation requirement but are recommended for college-bound students who are interested in mathematics, engineering, computer programming, computer design, game design, economics and/or business.

**141 Programming I****5 Credits****Prerequisite: C or better in Algebra I Honors/College Prep 1, or by permission of the mathematics supervisor.**

This course is intended for the college bound student to develop programming skills. It is designed to introduce the student to the structure of programming emphasizing the five-step process to problem solving, creating flowcharts, and writing



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algorithms. This will be accomplished through the language of C++. Emphasis will be placed on the exploration of simple data structures, selection statements, looping statements, and functions.

**143 Programming II Honors****5 Credits****Prerequisite: C or better in Programming I, or by permission of the mathematics supervisor.**

This course is designed to be a continuation of Programming I. It is intended for college bound students to extend programming skills in C++. Emphasis is placed on the further exploration of C++ data structures as well as advanced structures, such as sorting and searching, files, pointer variables, linked lists, stacks, queues, and trees.

**148 AP Programming III****10 Credits****Prerequisite: C or better in Programming II Honors, or by permission of the mathematics supervisor.**

This full year course is designed to be a continuation of Programming II Honors. It is intended for the college bound student to further develop programming skills in JAVA. Emphasis is placed on the further exploration of simple JAVA data structures as well as advanced structures such as array lists, sorting and searching. Upon completion of this course, a student may take the advanced placement test Computer Science and may receive college credit from a participating college. The AP course meets daily throughout the school year.

**1141 Programming IV Honors****5 Credits****Prerequisite: B or better in Programming II Honors or AP Programming III, or by permission of the mathematics supervisor.****1143 Programming V Honors****5 Credits****Prerequisite: B or better in Programming IV Honors, or by permission of the mathematics supervisor.**

These courses are designed for the college bound student to further develop programming skills in a variety of high-level languages such as C++, Java, Visual Basic, etc. It is designed to extend and explore in more detail data structures and problem-solving techniques introduced in Programming II and AP Programming. Emphasis is placed on comparing and contrasting different languages and advanced data structures. Students work independently on projects designed to further enhance their knowledge of programming and relate these skills to real world applications.

**1145 AP Computer Science Principles***Prerequisite: B+ or better in Algebra I Honors/CP1 and/or teacher recommendation.*

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science and STEM fields.

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## FOREIGN LANGUAGES DEPARTMENT

In order to prepare students for success in the global society of the twenty-first century, Foreign Languages courses aim to achieve all six Learning Expectations of the Taunton High School Mission Statement: communicating effectively, using independent reading skills, demonstrating quantitative reasoning, thinking critically, employing a variety of technology and demonstrating creative literacy. However, the primary focus of these courses is on (1) communicating effectively and (6) demonstrating creative literacy.

### **Guidelines for Parental Consideration**

**Honors and Advanced Placement** Foreign Languages courses are designed for the motivated learner that has an internalized work ethic and strong academic skills, including: the ability to work independently, academic accountability and responsibility, and a willingness to be proactive concerning academics. Because the acquisition of foreign languages is a cumulative process, all students are expected to practice speaking and other skills on a daily basis. In addition, certain benchmarks should be met in order to progress in the Honors/Advanced Placement sequence, such as maintaining a course average of a “B” or better. Students who do not attain this and wish to continue in the sequence will require a teacher recommendation and/or approval of the Curriculum Supervisor.

**College Prep 1** Foreign Languages courses are designed for students who have demonstrated not only a committed interest in learning a foreign language and preparing for college, but who have demonstrated a strong work ethic. Daily practice of speaking and other skills, as well as the completion of daily homework is expected.

### **Courses of Instruction**

#### **212 Latin I Honors**

**5 Credits**

Latin I Honors is designed for the linguistically curious student who possesses strong powers of concentration, memorization, retention and analysis. Students are exposed to the language and culture of ancient Rome through graded readings, short speaking and writing assignments, and research projects. Special emphasis is given to the impact of Latin on American history, thought and expression.

#### **222 Latin II Honors**

**5 Credits**

Latin II Honors is a continuation of the level I course. Students examine more closely the syntax and usage of Latin with an eye to refining their reading and translation skills. The relevance of Roman culture to the study of other disciplines is explored more fully. By the end of the course, students will have acquired a nuanced understanding of Roman history and thought.

#### **232 Latin III Honors**

**5 Credits**

The goal of Latin III is to introduce students to the reading of authentic Latin literature. Through the translation, analysis, and discussion of a range of authors, students will become adept at recognizing various grammatical structures in the context of original literature, and not simply in textbook drill sentences. In addition, they will begin to recognize the historical, cultural, and philosophical contexts of what they read. The course encompasses a changing mix of Latin literature drawn from a number of periods, focusing primarily on works written in prose and an introduction to the study of poetry.

#### **242 AP Latin IV**

**5 Credits**

The purpose of AP Latin is an in-depth study of Vergil’s *Aeneid*, the national epic of the Roman people, as well as Caesar’s *Gallic War*, a masterwork of political propaganda about Caesar’s war campaigns in Gaul. Through close, literal translations of both the poetry and the prose listed on the AP syllabus, and through the required readings in English, students will strive to understand both works on social, political, cultural, historical, and literary levels while paying rigorous attention to linguistic detail, critical interpretation, and literary analysis.

#### **210 Portuguese I Honors**

**5 Credits**

#### **211 French I Honors**

**5 Credits**

#### **219 Spanish I Honors**

**5 Credits**

The Honors I courses are an accelerated introduction to the target languages for self-motivated students who have demonstrated a strong work ethic. Students are expected to approach the course with a genuine desire to acquire the essential language skills of listening, speaking, reading, and writing, as well as a knowledge of the culture of the target language countries. Daily practice of these skills is required. The class is conducted in the target language as much as possible.

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<b>220</b>	<b>Portuguese II Honors</b>	<b>5 Credits</b>
<b>221</b>	<b>French II Honors</b>	<b>5 Credits</b>
<b>229</b>	<b>Spanish II Honors</b>	<b>5 Credits</b>

The Honors II courses are continuations of Honors I for students who have demonstrated considerable progress acquiring the five essential skills of foreign language learning. Students are expected to demonstrate a thorough command of the vocabulary, grammar, and common expressions learned in Honors I. Students integrate new and previously learned grammar and culture in thematically based lessons. Classes are conducted primarily in the target language.

<b>230</b>	<b>Portuguese III Honors</b>	<b>5 Credits</b>
<b>231</b>	<b>French III Honors</b>	<b>5 Credits</b>
<b>239</b>	<b>Spanish III Honors</b>	<b>5 Credits</b>

The Honors III courses are accelerated courses for students who have demonstrated success in Honors I and II and who have mastered all of the basic linguistic elements of the language. Students are expected to provide and obtain specific information in the target language, identify patterns of social behavior that are typical of the target culture and apply knowledge of the target language and culture beyond the classroom setting. Students frequently read and summarize authentic materials, describing, comparing and contrasting related topics in their conversations and writings. The course is conducted almost entirely in the target language.

<b>240</b>	<b>Portuguese IV Honors</b>	<b>5 Credits</b>
<b>241</b>	<b>French IV Honors</b>	<b>5 Credits</b>
<b>246</b>	<b>Spanish IV Honors</b>	<b>5 Credits</b>

The Honors IV courses are conducted entirely in the target language. Students are expected to use the target language to communicate in a variety of interpersonal and interpretive ways. They must refine their analytical abilities in order to identify and solve problems in the target language. They must read, discuss, and write from authentic material. Students are expected to function in realistic situations using the target language.

<b>248</b>	<b>Portuguese V Honors</b>	<b>5 Credits</b>
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This course is designed for students who have demonstrated success in Portuguese Honors IV, and is conducted entirely in the target language. This course continues to build language skills of listening, speaking, reading, and writing, as well as a more in-depth knowledge of culture. The study of language is integrated with the study of culture, which includes daily life, history, literature, visual and performing arts, mathematics, and science.

<b>247</b>	<b>AP French Language and Culture</b>	<b>5 Credits</b>
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**Prerequisite: B+ or better in French IV**

AP French Language and Culture is a college-level course intended for students in their fifth year of study of French. The course is designed to provide advanced high school students with rich and rigorous opportunities to demonstrate their proficiency across the three modes of communication: Interpretative, Interpersonal, and Presentational. The curriculum emphasizes exploration of culture through the use of authentic materials that are representative of the French-speaking world. In order to best facilitate the study of language and culture, exclusive use of French by teacher and students for active communication is required. Students are expected to take the AP French Language and Culture exam at the end of this course.

<b>249</b>	<b>AP Spanish Language and Culture</b>
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**Prerequisite: B+ or better in Spanish IV OR successful completion of Heritage Spanish I and II and approval of Curriculum Supervisor**

AP Spanish Language and Culture is a college-level course intended for students in their fifth year of study of Spanish. The course is designed to provide advanced high school students with rich and rigorous opportunities to demonstrate their proficiency across the three modes of communication: Interpretative, Interpersonal, and Presentational. The curriculum emphasizes exploration of culture through the use of authentic materials that are representative of the Spanish-speaking world. In order to best facilitate the study of language and culture, exclusive use of Spanish by teacher and students for active communication is required. Students are expected to take the AP Spanish Language and Culture exam at the end of this course.

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**213 French I College Prep 1 5 Credits**

**215 Spanish I College Prep 1 5 Credits**

**217 Portuguese I College Prep 1 5 Credits**

The Level I courses are introductory courses for students interested in formally learning the target language. A sequence of thematic lessons encourages daily practice of the essential language skills of listening, speaking, reading, and writing, as well as knowledge of the culture of the target language countries. Students in Level I learn to greet and respond to greetings, ask and answer questions, and express basic needs and emotions. This course aims to teach how to communicate on an elementary level in the target language using all language skills.

**223 French II College Prep 1 5 Credits**

**225 Spanish II College Prep 1 5 Credits**

**227 Portuguese II College Prep 1 5 Credits**

The Level II courses are continuations of Level I for students who have demonstrated ample progress in acquiring the five essential skills of foreign language learning. Students are expected to expand their ability to perform all of the functions developed in Level I. Students integrate new and previously learned grammar and culture in thematically based lessons. Daily practice of essential language skills is expected.

**233 French III College Prep 1 5 Credits**

**235 Spanish III College Prep 1 5 Credits**

**237 Portuguese III College Prep 1 5 Credits**

The Level III courses are continuations of Level II for students who have mastered the basic vocabulary, grammar, and common expressions learned in Levels I and II. The course is conducted almost entirely in the target language. Emphasis is placed on communicating and integrating new and previously learned concepts. Students are expected to read and summarize in the target language from authentic materials. They must describe, compare and contrast cultural topics in their conversations and writings.

**216 Heritage Spanish I 5 Credits**

This course is designed for students who have been exposed to Spanish as part of their background or upbringing. Students should have some background in the language, such as an ability to understand most conversations, even if they are not able to read, write, or speak fluently in Spanish. This course is designed to meet the unique needs of heritage speakers, while strengthening language skills and acknowledging the value of bilingualism in their future.

**218 Heritage Spanish II 5 Credits**

The Level II Heritage Spanish course is a continuation of Level I Heritage Spanish for the student who has demonstrated ample progress in improving language skills, and emphasizes reading, writing, spelling, and vocabulary. The course provides focused treatment of the culture, literature, and history of the Spanish-speaking world, and integrates internet activities with instruction for real-world application.

**250 Heritage Portuguese I 5 Credits**

This course is designed for students who have been exposed to Portuguese as part of their background or upbringing. Students should have some background in the language, such as an ability to understand most conversations, even if they are not able to read, write, or speak fluently in Portuguese. This course is designed to meet the unique needs of heritage speakers, while strengthening language skills and acknowledging the value of bilingualism in their future.

**251 Heritage Portuguese II 5 Credits**

The Level II Heritage Portuguese course is a continuation of Level I Heritage Portuguese for the student who has demonstrated ample progress in improving language skills, and emphasizes reading, writing, spelling, and vocabulary. The course provides focused treatment of the culture, literature, and history of the Portuguese-speaking world, and integrates internet activities with instruction for real-world application.

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## BUSINESS AND TECHNOLOGY DEPARTMENT

All programs in the Business and Technology department correspond to the school's mission statement and expectations for student achievement. Special emphasis is placed on the academic expectations of (1) communicating effectively, (4) thinking critically, and (6) employing technology. Students are also encouraged to adhere to Taunton High School's social and civic expectations. Several Business department programs are approved Career and Technical Education programs and prepare students for careers in those fields.

### **Guidelines for Parental Consideration**

**Career Technical Education (CTE)** - The Career Technical Education Programs provide students with important life and employment skills and technical experiences which align with the Massachusetts DESE's Career/Vocational Technical Education Frameworks. The curriculum is designed to prepare students for post-secondary education or to enter the work force. CTE faculty members have all been successful in business and industry and are able to incorporate best industry practices in their daily lesson plans.

**National Business Honor Society (NBHS)** - Students who are juniors or seniors and have taken three or more business courses with a business GPA of 3.5 are eligible for membership to the NBHS. Membership in this organization is a way for students to enhance their college, scholarship, and employment applications. NBHS members grow ethically and socially by participating in business and community service activities.

**Marketing Education Program** - This two year, Chapter 74 Vocational Technical Education Program is approved by the Massachusetts Department of Education. In addition to the Marketing courses, the Marketing Program has a shop component (School Based Enterprise/Marketing Practicum) which is offered concurrently. Completion of this program can earn students 20 credits and eventually a Certificate of Occupational Proficiency. Acceptance to this program is based on students' academic performance as well as their attendance & discipline review. Applications are available in the THS Guidance Department.

### **Courses of Instruction**

#### **8085 Business Concepts 8**

This course, open to eighth grade students only, is an introduction to the general and financial aspects of business. It is designed to give students a basic understanding in communication and presentation skills as they relate to business and industry. Students explore financial planning, participate in a variety of entrepreneurial activities, and discover the role of a consumer related to marketing and management. Students will utilize a variety of computer applications and technologies through integrated business projects. This course also gives students the foundation for future enrollment in more advanced business courses.

#### **8081 CTE Exploratory 9 (Course fee \$10.00)**

**5 Credits**

This course, the prerequisite to all upper level CTE courses in Business and Technology, Family and Consumer Science, and Industrial Technology, allows students to explore the Career Clusters available at Taunton High School. Students receive instruction in career pathways and are exposed to all CTE programs over the course of the semester.

#### **326 Accounting I**

**5 Credits**

#### **346 Accounting I Honors**

Students learn the fundamentals of double entry accounting, covering the complete accounting cycle. They learn how accurate records become the basis for reports that show the financial condition of business. Special journals, subsidiary ledgers, the worksheet with adjustments, closing entries, and financial reports are studied. Students work on real life simulations in which they act as the accountant, handling all business papers, keeping the records, and preparing the financial reports. This course carries college credit for CTE students.

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**336 Accounting II** **5 Credits****Prerequisite: Accounting I**

This course is a continuation of Accounting I. This course is intended to give a foundation to those students who wish to continue studies in the field of accounting and have a general understanding of business methodology. Accruals, inventories, investments, depreciation, payroll procedures, departmental accounting and partnerships, and corporations will be some of the topics covered in this course. Students work on advanced real-life simulations in which they act as the accountant, handling all business papers, keeping the record, and preparing the financial reports. Computers will be used extensively in this course. This course carries college credit for CTE students.

**360 Banking and Investment** **5 Credits****359 Banking and Investment Honors**

This course provides students with an overview of the banking industry. Students learn the history of banks, how banks function, and explore career opportunities in the banking industry. Students learn how to write checks, balance a checkbook, and apply for and manage credit. They have the opportunity to learn through classroom instruction, hands on projects, simulations, and guest speakers. Upon completion of the course, students are prepared for employment as bank tellers or other entry-level positions, and may become candidates for positions in the Taunton High School bank. In addition, students learn about investments with a focus on the stock market through a stock market simulation.

**361 Banking Practicum** **5 Credits****Prerequisite: Banking and Investments**

This is the hands-on portion of the Banking and Investments course. Students will be selected to work in the school bank based on interest, attendance, and performance.

**342 Business and Personal Law** **5 Credits****341 Business and Personal Law Honors**

This course is an in-depth survey that studies law as it relates to juveniles, families, business, housing and criminal law. A strong component of the legislative process is included. A focus on the Supreme Court and specifically Supreme Court cases and their ramifications are stressed. Participation in mock trials is required.

**334 Introduction to Business Technology** **5 Credits**

This course, open to ninth graders, gives students the opportunity to develop integrated PC application skills required for the completion of personal and business projects. An emphasis is placed on file management and handling, and fundamental knowledge of Microsoft Windows. An introduction to the Microsoft Office Suite – Word, Excel, Access, and Power Point is covered. In addition, students spend time exploring a variety of hardware, software, and internet topics. Students in this course are also required to complete a career plan.

**3334 Business Technology I** **5 Credits**

This course provides students with the skills and knowledge necessary to enter the world of business and technology. During this course, students explore the day-to-day operations of what takes place in a business environment, including: advertisements, telecommunications, and personal finance. Additionally, this course gives students a solid foundation in the Microsoft Office Suite, which is widely used in business today. This course carries college credit for CTE students.

**350 Business Technology II** **5 Credits****Prerequisite: Business Technology I**

In this course, students gain a more in-depth understanding of the business world utilizing the Microsoft Office Suite in finance, marketing, management, and accounting. Students develop skills in database management, charting and graphing, presentation software, and word processing software. Successful students may be eligible for entry into the National Business Honor Society. This course carries college credit for CTE students.

**333 AP Economics** **5 Credits**

This course provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

**332 Economics 5 Credits****331 Economics Honors**

This course is intended to give students an in-depth study of the issues that impact the global economy under various economic systems. Micro and Macro economics are covered. Through the use of case studies and projects, students acquire an appreciation for the roles that people, business, and governments have in the field of economics. Independent student research using the internet is emphasized.

**344A Management & Entrepreneurship (Course Fee \$10.00) 5 Credits****345 A Management & Entrepreneurship Honors (Course Fee \$10.00) 5 Credits**

This course is designed for all students who plan to major in business at the college level and for students who wish to be employed in managerial or entrepreneurial positions. This course focuses on the nature of management, the evolution of management thought, strategic management and planning concepts, analyzing markets, sales and advertising strategies. Students learn what is involved in starting a business; and what problem-solving techniques are needed to be successful in business. This course provides the skills, knowledge, and attitudes necessary for students to prepare for active participation in the economy and to conduct business activities both as employees and business owners.

**335A Personal Financial Math 5 Credits**

This course assists students with developing the necessary financial skills to succeed and participate in today's workforce. This is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will review arithmetic whole numbers, fractions, decimals, and percent as it relates to general business financial concepts. Students design personal and household budgets; simulate the use of checking and saving account; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes.

**367 Computer Technology I 5 Credits**

This course offers competency in areas such as installation, preventative maintenance, networking, security and troubleshooting. Students learn customer service and communication skills to work with clients. At the end of the course, students are prepared to take the CompTIA A+ certification test, part of the certification track for corporations such as Microsoft, Hewlett-Packard, Cisco and Novell. Students learn the necessary competencies of an entry-level IT professional with hands-on experience in the lab or field.

**377 Computer Technology II 5 Credits****Prerequisite: Computer Technology I.**

In this class, students obtain competency in managing, maintaining, troubleshooting, installing and configuring basic network infrastructure. This class explores a variety of computer networks and curriculum topics investigated through classroom theory and practical applications in a laboratory environment including network operating systems and network systems design and implementation. Students learn the necessary competencies of an IT professional with hands-on experience in the lab or field. Students obtain the fundamentals of network technology network operating systems, networking hardware, and network security, as well as the communication skills and professionalism now required of all IT professionals.

**338 Computer Concepts 5 Credits**

This course trains students on the use of computer software, hardware and technology. The student receives a basic overview on computer usage including proper internet usage, email, Microsoft Office software, Microsoft Windows operating systems, and computer hardware. This class prepares students for the IC3 certification, which is an industry standardized exam.

**3391 Marketing Ed I 5 Credits**

This course is designed to give students an exploratory investigation of the career opportunities in the broad field of marketing. Students obtain hands-on experience in a variety of marketing projects specific to the school store. The class is divided between textbook theories and working on school based enterprises and project based activities. This class is recommended for students considering a career in Marketing, such as: Retail and Wholesale Merchandising, Industrial Sales "Business to business", E-Commerce, Marketing Research, Distribution, International Marketing, Advertising, Small Business Management, Entrepreneurship, Fashion Merchandising, Hospitality/Tourism, Sports and Entertainment Marketing, Internet Marketing, and Public Relations. Students are encouraged to compete in the DECA District, State, and International competitions. This course carries college credit for CTE students.

**3392 Marketing Ed II 5 Credits****Prerequisite: Marketing Ed I or Sports/Entertainment Marketing**

This course is the second part of learning marketing and business management with emphasis on preparing students for careers in the business world. Students continue studying marketing theory and take on management roles in many marketing education business projects operated in the school and in the community such as fashion shows, sports and entertainment programs, public relations activities, and writing an entrepreneurship business plan to obtain financing. This course carries college credit for CTE students.

**3393 Marketing Ed III DECA 5 Credits****Prerequisite: Marketing Ed II and DECA member**

This course is designed for students who have a sound knowledge in all aspects of marketing. Students will rely on previously obtained marketing information to implement real-world projects at THS (School Store, "Tiger Shack") and the school community. Students will then utilize these real-world projects while competing at DECA events. Projects may include marketing plans for local businesses, charities, and sports teams.

**314 Sports and Entertainment Marketing 5 Credits**

This unique and innovative course is designed for students with an interest in the sports and entertainment industry. Instructional areas include: an orientation to the sports and entertainment industry, market analysis, decision making, event marketing, event execution, the production of a culminating event and analysis of the event.

**366 Digital Media Design 5 Credits**

This course is an introduction to the use of Digital Media Design principles in a computerized business environment. In this course, students learn to prepare media-rich, highly interactive projects using a multimedia development package. The emphasis is on learning the technical skills needed to utilize multimedia software effectively to create business publications, demonstrations, and presentations. Students use Adobe products including Photoshop, Microsoft Movie Maker, Illustrator and InDesign. This course carries college credit for CVTE students.

**322 Web Design I 5 Credits**

This course prepares students to design and maintain websites by using HTML, XHTML, CSS, and JavaScript coding. Although the WYSIWYG (What You See Is What You Get) programs do not require coding knowledge, students should be able to understand coding to troubleshoot problems. This class teaches coding to develop basic web design troubleshooting skills. Students develop web pages for use by local businesses when applicable. This course carries college credit for CVTE students.

**337 Web Design II 5 Credits****Prerequisite: Web Design I**

This course prepares students for advancement into post secondary education and industry. The course's focus is on developing and presenting professional web sites using hands-on programs such as Dreamweaver and Flash. The course content also provides students with the opportunity to acquire fundamental skills in both theory and practical application of Web development. This course carries college credit for CVTE students.

**369 Video Game Design 5 Credits**

This class offer students the opportunity to learn how to effectively implement game ideas using a comprehensive and analytical approach to game engine architectures. The curriculum is designed around the Alice Game Generation Software and Microsoft visual studio with Microsoft Visual C++ and the video game engine is Microsoft XNA Game studio Express. A reasonable familiarity with computers is required, but no prior game or graphics programming experience is necessary.

**312 Introduction to Robotics 5 Credits**

This course is designed around Autodesk's VEX Robotics Curriculum. It combines industry-leading Autodesk Inventor design tools with the premier educational robotics platform for high schools, the VEX Robotics Design System. This modular and project-based curriculum teaches the design process in an engaging, hands-on manner to help challenge, motivate, and inspire students. No prior robotics experience is required; beginners are able to advance sequentially through the units to gradually increase their knowledge and skill level.

**315 Introduction to Criminal Justice 5 Credits**

This course is an overview of the American criminal justice system. Emphasis will be placed on the individual components of the correctional justice system. The course is designed to provide a basic understanding of our legal system and also to



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provoke thinking on key legal and criminal issues. Guest speakers from the police department, the Department of Health and Human Services and the URI crime lab will discuss the criminal justice system as it pertains to the Commonwealth of Massachusetts. Field trips to the police department and state prison will give students a firsthand experience to the local criminal justice process. All students will also participate in two criminal mock trials.

**317 Criminal Justice II****5 Credits****Prerequisite: Introduction to Criminal Justice and teacher recommendation**

This course is a continuation of Introduction to Criminal Justice. Emphasis will be placed on the judicial and correctional components of the criminal justice system. Guest speakers from the District Attorney's office and state prison will discuss the impact of criminal trials and incarceration as it pertains to the Commonwealth of Massachusetts. A field trip to the state prison will give students a first-hand experience to the local criminal justice process. All students will also participate in two criminal mock trials.

**318 Google Apps****5 Credits**

Google is so much more than just a powerful search engine. In this course students will learn how Google's web-based tools will give you the skills to be productive and efficient in your personal and professional life. Students will learn how to share calendars, sort and organize email, create and share editable documents through Google drive, communicate through Google Hangouts, and create a Google website.

**319 Succeeding in the World of Work****5 Credits**

This course enables students to explore various careers and to attain skills necessary for professional success. After a self-assessment to determine career paths that may meet their interests, students will complete various assignments and simulations on topics including: finding and applying for a job, workplace ethics, professional communication, presentations, managing money, and understanding credit, insurance, and taxes. Students will also master technology skills necessary in their professional and personal lives.

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**FAMILY AND CONSUMER SCIENCE DEPARTMENT****Courses of Instruction****8083 Family Concepts 8**

This introductory course, open to students in the eighth grade, concepts in careers, budgets, sewing skills, food preparation, nutrition, and child care. All areas utilize technology, independent reading skills and laboratory work conducted in group settings. Effective communication, quantitative reading and critical thinking skills are mastered as students work to promote respect, responsibility and cooperation in completing daily assignments.

**8081 CTE Exploratory 9 (Course fee \$10.00)****5 Credits**

This course, the prerequisite to all upper level CTE courses in Business and Technology, Family and Consumer Science, and Industrial Technology, allows students to explore the Career Clusters available at Taunton High School. Students receive instruction in career pathways and are exposed to all CTE programs over the course of the semester.

**516 Fashion Technology I****5 Credits**

This is a beginner clothing course in which students construct both clothing and needle arts/craft projects. Emphasis is placed on reading patterns and following the correct sequence of steps to complete a simple garment or project. Technology is incorporated into a variety of learning situations. Math skills are reinforced through hands on project work. Independent reading, research, and critical thinking skills are utilized as students work cooperatively in a laboratory setting. Students also have the opportunity to expand their creative interests to benefit off site organizations. Students must provide their own materials for projects.

**526 Fashion Technology II****5 Credits****Prerequisite: Fashion Technology I**

This course is designed for students who desire to expand their knowledge of textiles and to complete detailed construction projects. Students work cooperatively on a variety of projects using more challenging fabrics. Through the construction of their clothing projects, students refine their skills and learn problem solving techniques. Students must provide their own materials needed to complete the required projects.

**536 Fashion Technology III****5 Credits****Prerequisite: Fashion Technology II**

This course is designed for the advanced clothing student. Students discover ways to identify a well constructed garment as well as learn tailoring techniques to custom fit clothing to the human body. Through the construction of their clothing projects, students master their skills and learn problem solving techniques. Students explore the history of dress throughout the ages. Students are responsible for the purchase of materials needed to complete the required projects.

**546 Fashion Technology IV****5 Credits****Prerequisite: Fashion Technology III**

Various careers in the fashion industry are explored through the use of technology and research. Emphasis is placed on advanced clothing construction techniques. Completion of a well constructed formal wear garment is required. Students also explore further study opportunities through research. Students are responsible for the purchase of materials needed to complete the required projects.

**525 Culinary Arts I (Course fee \$10.00)****5 Credits**

This is a laboratory based course that introduces students to the study of foods and nutrition. It emphasizes the skills and knowledge needed to become more informed, responsible and nutritionally wise consumers. Critical thinking and problem solving skills are clearly defined through the use of hands-on exercises, science experiments and technology.

**535 Culinary Arts II (Course fee \$10.00)****5 Credits****Prerequisite: Culinary Arts I**

This advanced laboratory course is for the serious student. The student develops techniques in food preservation and preparation. Basic nutrition concepts relative to food preparation techniques are discussed. Major topics covered include: foreign and regional foods, traditional holiday specialties, and historic events. Economical use of resources is stressed.

**537 Culinary Arts III (Course fee \$10.00)****5 Credits****Prerequisite: Culinary Arts II**

This laboratory based course provides the student an opportunity to develop skills in quantitative food preparation, meal planning, and nutrition analysis. The student participates in both classroom and laboratory experiences; striving to achieve academic, social and civic expectations in the food service industry. This course is level one of the Prostart program in conjunction with the National Restaurant Association.

**544 Culinary Arts IV (Course fee \$10.00 per Semester)****10 Credits****Prerequisite: Culinary Arts III**

This laboratory based full year course is a continuation of Culinary Arts III and strives to achieve and refine skills introduced in the previous level. This course fulfills the requirements of the second year of the Prostart Program. Students can be eligible to obtain Serv-Safe certification, which is required by all food service establishments.

**538 Child Care I****5 Credits**

This course explores the stages of human development from conception through age three. Students use a variety of research techniques to explore areas related to parenthood and careers related to the child care field. Working collaboratively, student's research childhood diseases and birth defects to evaluate the effects on children, families and their community.

**539 Child Care II****5 Credits****Prerequisite: Child Care I, teacher recommendation**

As a continuation of Child Care I, this course explores the developmental stages of children ages 4-6. Students create a teaching unit that is developmentally appropriate for preschoolers. Lessons within the unit are implemented in the Tiger Tots Preschool. Off site internships are mandatory within the class time frame. Parental permission is required. Students are expected to exceed the school policy for attendance and behavior.

**548 Child Care III****10 Credits****Prerequisite: Child Care II, teacher recommendation**

In this full year course, students will be required to design a portfolio of lesson plans to be implemented into the Tiger Tots Preschool curriculum. Each student assumes the role of lead teacher in the Tiger Tots preschool for a minimum of one week per semester. Students also be required to fulfill internship requirements at nearby Pre-K/elementary schools. This class is designed to prepare the student for a career in early childhood education and/or childcare. Students who complete the course may be eligible for licensing by the Department of Early Education & Care.

**547 Nutrition****5 Credits**

This course, which may be counted towards the science graduation requirement, is a study of the basic nutrients in food, their physiological functions and the importance of establishing healthy dietary habits. The changing nutritional needs throughout the life cycle are emphasized. Current nutritional issues facing our society are explored in depth as they relate to lifelong wellness. This class includes some scientific experimentation. This is not a foods preparation class.

**560 Hospitality I (Prerequisite- Culinary II)****5 Credits**

This course offers students an introduction to the tourism and hospitality industry. Course content is designed to help students develop the knowledge and skills required for success as an employee in the hospitality and tourism industry. Students will also study the various segments of the hospitality and tourism industry from a career perspective, as well as study current issues, trends, and challenges facing the hospitality industry.

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## INDUSTRIAL TECHNOLOGY DEPARTMENT

All programs in the Industrial Technology Department align with the school's mission. Special emphasis is placed on the academic expectations that all students will strive to attain effective skills in communication, problem-solving, and technology. The Industrial Technology Department faculty strives to engage all students in meaningful, creative, and productive work so that they can prepare themselves for life, work, and success. In addition, all programs offer opportunities whereby students can, and are expected to meet the social and civic expectations of the school's mission as well.

### **Guidelines for Parental Consideration**

Through the courses offered in the Industrial Technology Department, students have opportunities to develop understanding of the safe use, and the principles of operation of many tools and machines. They learn to visually communicate information through the use of a Computer Aided Drafting system, a set of architectural drawings, or Interior Design Publishing software. Some of the activities engaged in include taking a design, an image, or text and creating single or multicolored products through a variety of processes. In addition, they do Internet research, develop a design, construct and test a prototype.

Industrial Technology classes at Taunton High School are five-credit semester long electives. A prerequisite of a "C" or better is required to continue within a course sequence of studies. All courses in the Industrial Technology Department are designed to achieve our school's mission through the study and design of projects, as well as prepare students for the many careers that utilize the field of technology. Particular emphasis will be placed on the academic expectations to (1) communicate effectively, (3) think critically, and (6) demonstrate creative literacy as students meet social and civic expectations.

The faculty members believe it is important to "assist students to become life-long learners", and help students achieve a deep understanding of things to do with technological processes, information, materials and systems. Courses in the department prepare students for employment and postsecondary education in the field of technology education. Students have the opportunity to participate in the CTE Program whereby they can receive college credits while in high school. CTE courses help prepare students for careers in Graphic Design, Industrial Design, Architecture, Engineering, Interior Design, Furniture Design, Carpentry/Contracting, Space Planning, Drafting, 3-D Computer Modeling and Rendering.

**Senior Internship Program** Industrial Technology students are eligible to participate in various internships available through our senior internship program. Some of the sites include: T M L P, General Dynamics, Morton Hospital, Taunton Daily Gazette, Taunton City Hall, Champion, Johnson & Johnson, & several others.

### **Courses of Instruction**

#### **8084 Design Concepts 8 (Course fee \$10.00)**

In this course open to eighth graders only, students explore a variety of topics included in the Science & Technology curriculum frameworks, as well as engage in a series of learning activities & projects utilizing problem-solving skills with emphasis on the design process used in engineering technology. Students will create a wide array of projects with concentrations in manufacturing, construction, energy, power, and transportation. Math, science, computer, and communication skills will be used to reinforce the importance of technology in the local and global economy.

#### **8081 CTE Exploratory 9 (Course fee \$10.00)**

**5 Credits**

This course, the prerequisite to all upper level CTE courses in Business and Technology, Family and Consumer Science, and Industrial Technology, allows students to explore the Career Clusters available at Taunton High School. Students receive instruction in career pathways and are exposed to all CTE programs over the course of the semester.

#### **637 CAD (Computer Aided Design) I**

**5 Credits**

This course is designed to give students a basic understanding of computer drafting/design as used in a drafting career or as a tool for designers, architects and engineers. Students learn countless methods to produce, view, and edit two-dimensional drawings. The software permits designers, drafters, engineers, and others to create, revise, model, and document industrial parts and assemblies for prototyping, mold making, and manufacturing. This course carries college credit for CTE students.

**647 CAD II 5 Credits****6647 CAD II Honors****Prerequisite: CAD I**

This course is designed to give students a deeper understanding of computer drafting/design as used in a drafting career or as a tool for designers and architects. Students are exposed to different colonial style homes. Students learn how to draw a full set of plans for various houses including foundation plans, floor plans, cross-sections, interior and exterior elevations. The course may be taken for Honors credit with the approval of the instructor. This course carries college credit for CTE students.

**6657 CAD III Honors 5 Credits****Prerequisite: CAD II**

This course deals with CAD software program in a more sophisticated manner using three-dimensional capabilities. Students learn 3D modeling techniques using Mechanical Desktop and Architectural Desktop software to create engineering and architectural models to scale and learn how to complete models incorporating all of the necessary features of fully illustrate a three-dimensional models. The course may be taken for Honors credit with the approval of the instructor. This course carries college credit for CTE students.

**5 Credits****6667 CAD IV Honors****Prerequisite: CAD III**

This course is designed to allow students to apply their acquired skills to assist/design community-based projects, apply for senior internships in the areas of architectural and engineering settings, and/or complete a comprehensive portfolio. Students use prior CAD knowledge and continue working on advanced projects. Students are expected to produce accurate drawings and models using concepts gained through previous CAD classes. Students learn to render their final designs to produce photo realistic drawings for portfolio. The course may be taken for Honors credit with the approval of the instructor.

**6777 CAD V Honors 5 Credits****Prerequisite: CAD IV**

This course provides advanced students with the opportunity to complete an independent study project under the direction of the instructor. The course may be taken for Honors credit with the approval of the instructor.

**612 Graphic Design I (Course Fee \$10.00) 5 Credits**

This course introduces students to the exciting field of graphic design. In this course, communication, design, and technology are combined together to create graphic design projects such as posters, brochures, logos, and packaging designs. Students utilize current design software such as Adobe Illustrator, Photoshop, and InDesign as they design and create original, professional quality design work. Students learn about printing, including offset lithography, digital printing, four-color process, and the Pantone Matching System of color. Students learn to properly assemble digital files for real world printing applications. Students explore and create two-dimensional designs hands-on as they paste-up mechanical, learn color theory, produce one and two-color silk screen prints, and assemble three-dimensional packaging prototypes. The class culminates with a two-week final project allowing students to apply their design and technical skills as they create an original product logo and packaging design in 3-D.

**626 Graphic Design II (Course Fee \$10.00) 5 Credits****Prerequisite: Graphic Design I**

This course is designed to give students a deeper understanding of the graphic design field while building upon skills learned in Graphic Arts I and utilizing the programs Adobe Illustrator, InDesign, and Photoshop. Students are exposed to professional design work, popular design trends, prominent artists and designers, and current design technology. Students will work on design projects directly related to the real world such as identity branding, print and packaging, and logos. Students continue to explore and create hands-on projects, including two-color silk-screen prints, production printing, pop-up books, and cards. Students produce tee shirts by sublimation printing and are introduced to offset printing.

**636 Graphic Design III (Course Fee \$10.00) 5 Credits****Prerequisite: Graphic Design II**

This course reinforces design skills and knowledge learned in Graphic Arts I and II while working on more sophisticated design projects. Students continue to work with Adobe Illustrator, InDesign, and Photoshop. In addition to this software, students in Graphic Design III are introduced to a new exciting program, iMovie. Students using iMovie create original movies layered with sound and graphics. Students study black and white photography through film and digital cameras. Students in this course also have an opportunity to work hands-on with the publication of THS's *Tauntonian* newspaper.

**646 Graphic Design IV (Course Fee \$10.00)****5 Credits****Prerequisite: Graphic Design III**

This course is designed for dedicated students committed to design excellence and possible design careers. Students in this course are given the opportunity to apply their acquired design and technical skills as they create portfolio quality design work. Students continue to use Adobe Illustrator, InDesign, and Photoshop in addition to being challenged with strengthening their knowledge of iMovie to bring to life three dimensional clay characters based on thumbnail sketches, detailed character development, and story boards. This course continues to be product driven, as students design, develop, and produce a variety of print and packaging material. Students work hands-on in this course as they explore photo silk-screening and assist with THS's *Tauntonian* and the literary magazine *As You Like It*.

**610 Wood Manufacturing I****5 Credits**

Students are introduced to power tools in the construction of wooden furniture and accessories. Math and scientific concepts related to shop work would be stressed. Students fill out a bill for materials and calculate cost estimates, as well as explore possible career in manufacturing. Students must pay for materials used on projects.

**624 Wood Manufacturing II****5 Credits****Prerequisite: Wood Manufacturing I**

Students plan, design and manufacture wood furniture. A greater emphasis is placed on power equipment (portable and stationary) and its proper use. Shop safety is emphasized at all times. Project layout and cost is studied. Students must pay for materials used on projects.

**634 Wood Manufacturing III****5 Credits****Prerequisite: Wood Manufacturing II**

This course expands on principles and techniques learned in previous levels. Cabinet making techniques involving more sophisticated joinery is stressed. Elements of furniture design are introduced. Students are involved in the design or customizing of their furniture projects. Students must pay for materials used on projects.

**644 Wood Manufacturing IV****5 Credits****Prerequisite: Wood Manufacturing III**

This course stresses design, construction, and finish of more complex pieces of furniture. In addition to safe use of power tools, proper set up and maintenance are taught. Students must pay for materials used on projects.

**631 Construction Technology****5 Credits****Prerequisite: Two Semester of Wood Manufacturing and/or CAD**

This class introduces students to the various phases of residential construction. Activities include school construction projects, a line production project, and the construction of a scaled building.

**629 Engineering a Green Future (Course Fee \$10.00)****5 Credits****Prerequisite: CAD I**

This course is an introduction to engineering, where students work cooperatively to gain an understanding of engineering and design. Emphasis is placed on creating designs that are environmentally conscious. A hands-on approach will be used to study various topics, such as the following: engineering/design process, construction technology, fluid, thermal, electrical power technologies, communication technology and manufacturing technology. Project based research is used to engage students as they learn about preparing professional presentations for the class.

**633 Green Interiors (Course Fee \$10.00)****5 Credits****Prerequisite: CAD I**

This course teaches technical solutions to achieve a built interior environment. Emphasis is placed on creating designs that are environmentally conscious. These solutions are functional, enhance the quality of life and culture of the occupants, and are aesthetically attractive. Students learn how to plan a space and how to render that plan visually, so that it can be conveyed to the client. They also learn about the materials and products that are used to create and furnish a given space, and about how texture, color, lighting and other factors combine and interact to give a space its "feel" or "look." Students are expected to master communication skills, including basic writing skills, so that they clearly and effectively describe their designs, as well as be attentive listeners.

## SOCIAL STUDIES DEPARTMENT

The Taunton Social Studies Department is committed to academic excellence, social responsibility, and civic pride. Our future citizens need to be able to work with others, understand and respect our political and social institutions, and reason independently. We believe that students are better prepared for the marketplace of ideas if they are taught to analyze competing historical interpretations and to examine multiple primary and secondary sources. To this end, we must teach students to apply their knowledge within the social studies disciplines of civics, economics, geography and history. By doing so, students will learn to think critically, become more globally aware, and gain knowledge of other nations and cultures. Finally, teaching students about our own rich and varied local history gives students a sense of place, promotes pride in community, and encourages civic engagement. With these beliefs at the forefront of their instruction, students will develop a greater appreciation of their own nation and become thoughtful, engaged citizens in their homes, schools, and communities.

### **Guidelines for Parental Consideration**

**COLLEGE PREP 2 HISTORY** is designed to give students a broad understanding of the historical and social forces that shaped both our national and world. Students will be required to read and analyze primary and secondary sources, read critically, and write with clarity and purpose. Students are required complete multiple document-based essays. Students should expect to listen to and to tolerate opposing views and to discuss historical and social events with civility.

**COLLEGE PREP 1 HISTORY** requires students to think like historians, in both their mastery of historical information and the ability to read and analyze historical texts. The ability to learn and think critically is fostered, and students are expected to display academic independence. Students should expect to read articles and books in addition to their textbook. Students should expect to listen to and to tolerate opposing views and to discuss historical and social events with civility.

**HONORS HISTORY** courses are distinguished by their rigorous approach to historical materials, serious engagement with historical and social questions, and a high level of student engagement. Independent, inquiry based lessons and assignments are given frequently. Honors students complete an independent historical writing assignment in addition to document based questions. Students should expect to listen to and to tolerate opposing views and to discuss historical and social events with civility.

### **Courses of Instruction**

#### **840 Social Studies 8 Honors**

This course is designed to hone the skills and knowledge needed in a post secondary school environment. Students develop the skills of historical research and writing while studying European and Asian historical themes. Students encounter the rise of the world's great religions, the birth and growth of political and intellectual liberty, and the transition from the Ancient to the Modern World. Chronologically, this course covers roughly from the Fall of the Roman Empire to the French Revolution, with special topics in political liberation, nationalism, and human rights. A major goal of the course is to challenge and prepare the honor student for a rigorous high school curriculum. The course emphasis is on student writing.

#### **841 Social Studies 8 College Prep 1**

Students develop the skills of historical research and writing while studying European and Asian historical themes. Students encounter the rise of the world's great religions, the birth and growth of political and intellectual liberty, and the transition from the Ancient to the Modern World. Chronologically, this course covers roughly from the Fall of the Roman Empire to the French Revolution, with special topics in political liberation, nationalism, and human rights. A major focus of this course is the development essay writing skills needed in college preparatory classes.

#### **842 Social Studies 8 College Prep 2**

Students develop the skills of historical research and writing while studying European and Asian historical themes. Students encounter the rise of the world's great religions, the birth and growth of political and intellectual liberty, and the transition from the Ancient to the Modern World. Chronologically, this course covers roughly from the Fall of the Roman Empire to the French Revolution, with special topics in political liberation, nationalism, and human rights.

#### **442 Advanced Placement European History**

**5 Credits**

This course, designed to prepare students for the Advanced Placement Examination, studies European history from 1450 to the present. This course emphasizes cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. Heavy emphasis is placed upon reading and interpreting primary sources. Writing skills are also developed. Students enrolling in this course agree to take the Advanced Placement Examination in European History.

**444A World History II Honors****5 Credits**

This course studies the French Revolution to the present. This course asks the student to think critically in his/her approach to the study of the human experience. Reading, writing, and critical thinking skills are emphasized. This course also focuses on the critical role geography has played in human development. A considerable amount of independent reading and writing is required. All students must complete a research project.

**444B World History II College Prep I****5 Credits**

This course studies the French Revolution to the present. This course asks the student to think critically in his/her approach to the study of the human experience. Reading, writing, and critical thinking skills are emphasized. This course also focuses on the critical role geography has played in human development. All students must complete a research project.

**444C World History II College Prep 2****5 Credits**

This course studies the French Revolution to the present. This course asks the student to think critically in his/her approach to the study of the human experience. Reading, writing, and critical thinking skills are emphasized. This course also focuses on the critical role geography has played in human development.

**432 Advanced Placement United States History****5 Credits**

This course, designed to prepare students for the Advanced Placement Examination, studies US History from the seventeenth through the twentieth centuries. Heavy emphasis is placed upon reading and interpreting primary sources. Writing skills are also developed. Students enrolling in this course agree to take the Advanced Placement Examination in United States History.

**423 United States History I Honors****5 Credits**

This course examines the history of the United States from Jackson to WWI. As part of its study of the significant people and events of that period, the course places heavy emphasis on out-of-class reading, writing, and research. Projects, journals, and discussion are also important elements of the class.

**424 United States History I College Prep 1****5 Credits**

United States History College Prep 1 is a comprehensive survey of America from Jackson to WWI. This course is designed for college-bound students, so time is spent considering the historical method, critical analysis, and conflicting interpretation of important historical movements. Analysis is stressed over memorization. Study of current events is pivotal.

**425 United States History I College Prep 2****5 Credits**

This course is designed for the student who needs more practical knowledge from United States history and government and covers Jackson to WWI. This course is meant to help students understand the origins and structure of our democratic system.

**433 United States History II Honors****5 Credits**

This course examines the history of the United States from the 1920s to the present. As part of its study of the significant people and events of that period, the course will place heavy emphasis on out-of-class reading, writing, and research.

**434 United States History II College Prep 1****5 Credits**

United States History College Prep 1 is a survey of America from the 1920s to the present. This course is designed for college-bound students, so time is spent considering the historical method, critical analysis, and conflicting interpretation of important historical movements.

**435 United States History II College Prep 2****5 Credits**

This course is designed for the student who needs more practical knowledge from United States history and government and will cover from the 1920s to the present. The learning experiences in this course are meant to help students understand the origins and structure of our democratic system.

**500 United States History III Honors****5 Credits**

This required junior year course covers WWI through the events of 9/11. Students write extensively on a variety of topics and formats. Emphasis is placed on the development of historical thinking skills of chronology, causation, synthesis, and periodization. Students are expected to learn through readings, lectures, and research. The ability to learn and think independently is an expectation.



**501 United States History III College Prep 1****5 Credits**

This required junior year course covers WWI through the events of 9/11 for college bound juniors. Students will be expected to conduct independent research, learn and demonstrate historical thinking skills, and analyze primary and secondary sources.

**502 United States History III College Prep 2****5 Credits**

This required junior year course explores the ideas, events, and people of the modern era, from WWI to the present. The course emphasizes connections to current events, the evolution of the democratic process, and the rights and duties of citizens.

**454 Advanced Placement Psychology****5 Credits**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students who enroll must be willing to accept the challenge of a rigorous academic curriculum.

**446 Psychology****5 Credits****4446 Psychology Honors**

The purpose of this introductory Psychology course is to provide students the opportunity to achieve a better understanding of the behavior and mental processes of human beings. A wide variety of study topics are examined, including the mind and the roles of biology; sensation, perception and consciousness; learning and the impact of memory; language and intelligence; human development from infancy through childhood; adolescence and adulthood; various aspects of the personality; psychological health, stress, disorders, and treatment; and social cognition and interaction. Students taking the course for honors credit must complete a semester long research project of their own design.

**436 From Taunton to Washington****5 Credits**

In this class, which examines how history, power, and politics have influenced our nation and our community, students spend a portion of the course learning how the structure of government and the political process works at the local, state, and national level. Students also spend a portion of the class examining Taunton's history from the time of its settlement in the 1630s through the present day. The city's geographical features, its industrial and economic development, and the role of Taunton citizens during major events in U.S. History are explored.

**438 20<sup>th</sup> Century Dictators and Disasters****5 Credits**

This course examines the dictatorial regimes of the world over the last century, including the tyrannical reigns of Joseph Stalin, Fidel Castro, Saddam Hussein, and Kim Jong Il. In addition, this elective will investigate the causes, impact, and the resulting societal ramifications of major world catastrophes, such as the 1918 Spanish Flu, the Jonestown Massacre, and the policy of apartheid in South Africa. The course includes a class project and paper.

**439 You Say You Want a Revolution?****5 Credits**

In this music history course, students examine and interpret music lyrics as a form of social commentary throughout US history. From as early as the nineteenth century, music has been used in the United States as a form of expression to describe the struggles, tribulations, and prosperity of our society. Throughout this course, we explore the historical themes of each generation, and discover how these themes are expressed in the song writing of that period. Students then use the music to compose songs that are period specific, both lyrically and melodically.

**440 Advanced Placement Comparative Government****5 Credits**

AP Comparative Government is a challenging course designed to develop student understanding of political science and theory through the analysis of the political system of six different countries. This case study approach exposes students to a wide array of policy options, and lends itself to scientific analysis of various solutions to political challenges. Upon completion of the Comparative Government class, students will be equipped to understand and evaluate current geo-political issues in an informed manner.

**455 Advanced Placement Human Geography****5 Credits**

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**449 History of Women****5 Credits**

This course will survey the history of women beginning from the Ancient Greeks and extending through medieval and Renaissance Europe. Special attention will be paid to suffrage, and the three waves of feminism in the United States. The course will examine the political, social, and economic history of women, as well as the theories that drive social change.

**456 East Asian Studies****5 Credits**

This is a course for anyone interested in the politics, culture, and history of China and Japan. We will examine the religion, social structure and history of Japan and China, with an eye toward cultural understanding of East Asia. The course examines Confucianism, Taoism, and Buddhism, as well as Shinto and Bushido. This course will appeal to anyone interested in China and Japan today.

**440 21<sup>st</sup> Century Citizenship****5 Credits**

This project-based, interdisciplinary course develops and nurtures the political, personal, and academic knowledge and skills necessary in our rapidly changing world. The course includes instruction in political, economic, and scientific literacy, and its emphasis on ethics and global awareness prepares students for our increasingly connected world.

### SCIENCE DEPARTMENT

The Taunton High School Science Department is committed to academic excellence, social responsibility, and civic pride. We are dedicated to cultivating problem solvers and awakening a natural curiosity in our students. In order to address common misconceptions and to make science come alive, classes have a strong basis in scientific experimentation. Our state of the art laboratories set the stage for students to utilize scientific technology and design controlled experiments. Inquiry and experimentation are integral parts of any science course, and the THS science department provides an opportunity for science students to demonstrate their creativity and ingenuity each year at the annual Science Fair. As independent researchers, students analyze and think critically about the data they collect. Employing skills learned across all disciplines, students are encouraged to effectively communicate their findings to their peers and supporting their findings with scientific concepts. Teachers hold their students to high standards, helping them reach their full potential.

#### **Guidelines for Parental Consideration**

**COLLEGE PREP 2 SCIENCE** is designed to help students become scientifically literate citizens in a world driven by science, technology, and innovation. College Prep 2 level science exposes students to scientific phenomena and prepares students to think critically about data in order to make sound decisions about their bodies and our planet. Student will engage in inquiry-based activities and have the opportunity to collect data in experiments that they have helped design. Students improve reading comprehension and writing skills as they examine articles from the media and scholarly journals. Presentations and research projects are graded using the THS Communication and Critical Thinking Rubrics.

**COLLEGE PREP 1 SCIENCE** is designed to help students become scientifically literate citizens in a world driven by science, technology, and innovation. College Prep 1 level science exposes students to scientific phenomena and prepares students to think critically about data in order to make sound decisions about their bodies and our planet. Students enrolled in this class are required to do a research project on a topic approved by their instructor. Research projects and presentations are graded using the THS Communication and Critical Thinking Rubrics. Student will engage in inquiry-based activities, write formal lab reports, and have the opportunity to collect data in experiments that they have helped design. Students improve reading comprehension and writing skills as they examine articles from the media and scholarly journals.

**HONORS & ADVANCED PLACEMENT SCIENCE** is designed for motivated learners and feature a rigorous curriculum through which students explore scientific phenomena by actively engaging in laboratory experiments. This program is designed for students with strong reading comprehension, analytical and writing skills. Students must possess a strong work ethic, the ability to work independently, academic accountability and responsibility, and the willingness to be proactive concerning academics. Honors and AP science courses challenge students to question their world and design experiments to address their questions. Student will engage in inquiry-based activities, write formal lab reports, and have the opportunity to collect data in experiments that they have helped design. Students hone their reading comprehension and writing skills as they examine data in articles from scholarly journals. All students at this level are required to do an independent research project for which they design and conduct an investigation and write a report supporting the experiment. This project strengthens research and writing skills and gives students the opportunity to choose and creatively explore a scientific field of interest. Presentations and projects are graded using the THS Communication and Critical Thinking Rubrics. Honors students are strongly encouraged to participate in the District Science Fair. Qualifying students may represent Taunton High School in the Region III, State, and International Science Fairs.

**Recommended Science Course Sequence** - The minimum recommended courses for all college bound students are Biology, Chemistry and Physics. All course levels will prepare students for MCAS exams and students are not mandated to stay in a particular course level, or on a specific path. Students may move freely between levels provided they meet the prerequisites and have approval.

**MCAS Science Requirement** - All students must pass a science MCAS exam as a graduation requirement. All eighth grade students will take the Science & Technology MCAS exam. Currently, the THS Science Department offers three courses that prepare our students for the High School MCAS science exam that best suits them: Biology, Chemistry or Physics. Science MCAS exams are administered in February (Biology only) and June (Biology, Chemistry and Physics). Tutoring and extra help are available.

### Courses of Instruction

#### ADVANCED PLACEMENT COURSES

##### 743 Advanced Placement Biology

10 Credits

**Prerequisite:** B or better in Biology I Honors, Biology II Honors, Chemistry I Honors & teacher recommendations

This full-year laboratory science course is deemed equivalent to a first year college biology course for science majors and has been created in accordance with the College Board's guidelines. This rigorous course is designed for students who have exhibited aptitude in Biology and Chemistry. AP Biology allows students to explore Genetics, Evolution, Human Physiology, and other biological topics in greater depth than Biology I and II. An independent research project is required. All students enrolled in this class are expected to take the Advanced Placement Exam in the spring.

##### 744 Advanced Placement Environmental Science

10 Credits

**Prerequisite:** B or better in Biology I, Chemistry I, Algebra II & teacher recommendations

This full-year laboratory science course is designed for students who have exhibited aptitude in Biology and Chemistry and has been created in accordance with the College Board's guidelines. AP Environmental Science offers an outstanding opportunity for students to apply biology, chemistry, and mathematics to issues affecting the world today. The focus of the course is to have students understand the need and ability of man to maintain sustainability in the environment. Topics include biodiversity, the interconnectedness of systems of which man is a part, the basic needs of life, and current problems that are generated by humankind. An independent research project is required. All students enrolled in this class are expected to take the Advanced Placement Exam in the spring.

##### 738 Advanced Placement Chemistry

10 Credits

**Prerequisite:** B or better in Biology I Honors, Biology II Honors, Chemistry I Honors, and Honors Algebra II & teacher recommendations

This full-year laboratory science course is deemed equivalent to a first year college chemistry course for science majors and has been designed in accordance with the College Board's guidelines. This rigorous course is designed for students who have exhibited aptitude in Biology and Chemistry. Topics previously studied in Chemistry I Honors are revisited in greater breadth and depth, especially stoichiometry, equilibrium, thermodynamics, and electrochemistry. An independent research project is required. All students enrolled in this class are expected to take the Advanced Placement Exam in the spring.

#### HONORS SCIENCE COURSES

##### 870 Science 8 Honors

**Prerequisite:** B+ or better in Grade 7 Science & enrollment in Math 8 Honors, or by permission of the Science Curriculum Supervisor

In this rigorous earth and planetary laboratory science course, students study heat, thermal energy, phase changes, conduction, convection, and how these affect phenomena inside Earth and on its changing surface. Students learn about astronomy including the seasons, the moon, and the rest of the universe. Students come to understand the mechanics behind weathering, erosion, and topography. This course also reviews physical science, chemistry, and life science in order to prepare students for the MCAS exam. An independent research project is required.

**713/714 Biology I and II Honors (Two course sequence)****10 Credits**

**Prerequisite:** B+ or better in Science 8 Honors & enrollment in Honors Geometry, or by permission of the Science Curriculum Supervisor

In biology we look deep into what it means to be alive – at the chemical level – and then move up through cells to studying the whole organism and how organisms interact in the biosphere. Topics include the chemistry of life, cells, genetics, evolution, ecology, and the human body. This laboratory science course will prepare students to take the MCAS Biology exam as well as take AP Biology. An experimental research project is required in Biology I and a research project is required in Biology II.

**728 Chemistry I Honors****5 Credits**

**Prerequisite:** B+ or better in Biology Honors and Geometry and teacher recommendation

In this course emphasis is placed on experimentation and observation as the basis for developing chemical principles. Chemical calculations utilizing previously learned math skills are an integral part of the course. Topics include matter and measurement, atoms and atomic theory, chemical reactions and stoichiometry, electron configuration, and periodicity, chemical bonding, gases, equilibrium, and acids and bases. An experimental research project is required. This course will prepare students for AP Chemistry.

**746 Physics Honors****5 Credits**

**Prerequisite:** : B+ or better in Precalculus & teacher recommendation

This laboratory science course is intended to provide a broad introduction to college level physics. Primary emphasis is placed on physical principles, the development of problem-solving and the ability to analyze results. The laboratory program is an integral part of the physics curriculum, as students use laboratory experiences to reinforce physics principles. An experimental research project is required.

**COLLEGE PREP 1 SCIENCE COURSES****871 Science 8 College Prep 1**

**Prerequisite:** C or better in Grade 7 Science

In this earth and planetary laboratory science course, students study heat, thermal energy, phase changes, conduction, convection, and how these affect phenomena inside Earth and on its changing surface. Students learn about astronomy, including the seasons, the moon, and the rest of the universe. Students come to understand the mechanics behind weathering, erosion, and topography. This course also reviews physical science, chemistry, and life science in order to prepare students for the MCAS exam.

**723 Biology I and II College Prep 1 (Two course sequence)****10 Credits**

**Prerequisite:** C or better in Science 8 College Prep 1

In this laboratory science course, students study cell biology, introductory biochemistry, molecular and classical genetics, evolution, biodiversity, ecology, and human anatomy and physiology. Laboratory activities are an integral part of the program. A library research project that meets with the teacher's approval is required. This full-year course prepares students to take the MCAS Biology exam.

**721 Biology College Prep 1**

**Prerequisite:** C or better in Physical Science College Prep 1

In this laboratory science course, students will study cell biology, biochemistry, genetics, evolution, human anatomy, and ecology. Laboratory activities are an integral part of this program. This one semester class is designed for students who have passed the MCAS Physics exam.

**735 Chemistry I College Prep 1****5 Credits**

**Prerequisite:** C or better in Biology I, Biology II, Algebra I

Chemistry I is a laboratory science course designed for the college bound student. It provides the basic facts and concepts of chemistry using traditional approaches. Its laboratory program supplements lessons taught in class. Topics included matter and measurement, atoms and atomic theory, chemical reactions and stoichiometry, electron configuration and periodicity, and gases. The course provides the necessary background for Chemistry II.

**745 Physics College Prep 1****5 Credits**

**Prerequisite:** B or better in Geometry, enrollment in Algebra II

This laboratory science course is designed to provide a broad introduction to physics for college bound students. Primary emphasis is placed on physical principles, the development of problem solving skills and the ability to analyze results. All college bound students are encouraged to take this course. This course can be taken before or after Chemistry I.

**748 Chemistry II College Prep 1****5 Credits****Prerequisite: C or better in Chemistry I, Algebra II**

This laboratory science course is designed for the student who intends to pursue a career in science, engineering, or a health related field. Students explore in greater detail the concepts previously discussed in Chemistry I and delve more deeply into the behavior of liquids and gases. This course addresses chemical bonding and molecular shape, solutions, thermodynamics, chemical kinetics, equilibrium, and oxidation-reduction reactions. Emphasis is divided between classroom exercises and laboratory activities designed to supplement the concepts presented in lecture. Since a strong chemistry background is essential for many health careers, students interested in nursing, physical therapy and respiratory therapy are strongly urged to enroll in this course.

**726 Biotechnology****5 Credits****Prerequisite: Completion of Biology & Chemistry**

This course provides a basis in laboratory techniques and provides an introduction to college level work. Lab activities, presentations, guest speakers and field trips play an integral role in this class. This course is designed to for students interested in laboratory science and healthcare careers in college.

**734 Human Anatomy and Physiology****5 Credits****Prerequisite: C or better in both Biology & Chemistry**

Human Anatomy and Physiology is designed to familiarize college bound students with the structure and function of the human body and the diseases that affect it. This course stimulates interest in medicine and allied health professions, and incorporates many modes of learning - class discussions, research work, laboratory work, group teaching projects and independent study. This laboratory science class is recommended for college bound seniors and honors level juniors.

**772 Environmental Science****5 Credits****Prerequisite: C or better in Biology I, Biology II & Algebra I**

Environmental Science is a laboratory class that explores many of the world-threatening issues that face each and every person on the planet. From the many mechanisms that make our natural world work, to the effects of humans on the natural order of things, Environmental Science has something to offer for all students. Environmental Science is a cross-disciplinary integration of Biology, Chemistry, Earth Science, economics, politics, and social studies as it examines the concepts of sustainability, stewardship, and sound science to ensure a safe and prosperous Earth for generations to come.

**777 Astronomy****5 Credits**

This class develops your understanding of the night sky, including building simple telescopes, examining constellations and their legends, exploring how the solar system formed, learning what happens in a supernova, and how different galaxies came into existence. Monthly "Astronomy Nights" are held on campus, and the Starlab Portable Planetarium is used as well.

**776C Marine Science****5 Credits****Prerequisite: C or better in Biology I and Biology II**

This course is designed to engage students in scientific investigations of the marine environment. Areas of concentration include physical oceanography, marine biology, and applied marine ecology. Some investigations require work outside the classroom. Group projects and fieldwork are required components of this course. An emphasis is placed on technology (PowerPoint, Excel and Word). Students will receive unique learning opportunities that require them to research a topic, conduct experiments, collect, analyze, and report data using technology, and present their findings through various media.

**COLLEGE PREP 2 SCIENCE COURSES****872 Science 8 College Prep 2**

In this earth and planetary laboratory science course, students study heat, thermal energy, phase changes, conduction, convection, and how these affect phenomena inside Earth and on its changing surface. Students learn about astronomy, including the seasons, the moon, and the rest of the universe. Students come to understand the mechanics behind weathering, erosion, and topography. This course also reviews physical science, chemistry, and life science in order to prepare students for the MCAS exam.

**724 Biology I and II College Prep 2 (Two course sequence)****10 Credits**

This laboratory science course includes the study of cell biology, introductory biochemistry, molecular and classical genetics, evolution, biodiversity, ecology, and human anatomy and physiology. Laboratory activities are an integral part of the program. This two course sequence prepares students to take the MCAS Biology exam.

**741 Physics College Prep 2**

**5 Credits**

This laboratory science course is designed to provide a broad introduction to physics via inquiry based investigations. Primary emphasis is placed on physical principles, the development of problem solving skills, and the ability to analyze results. This class prepares students to take the Introduction to Physics MCAS exam.

**776B Biology Issues**

**5 Credits**

Topics of science and technology that are in the news of the day are addressed in this course. Students are required to read a number of news and magazine articles about current issues in science and analyze their bias and factual basis. The importance of scientific and technological literacy in our everyday life will be emphasized. Library research will be an important component of this course. Topics may change from year to year.

**722 Biology College Prep 2**

**5 Credits**

In this laboratory science course, students will study cell biology, biochemistry, genetics, evolution, human anatomy, and ecology. Laboratory activities are an integral part of this program. This one semester class is designed for students who have passed the MCAS Physics exam.

## AIR FORCE JUNIOR ROTC PROGRAM

The Air Force Junior ROTC Program seeks to help each student become a better person and better student by describing and practicing citizenship. The JROTC mission is to “Develop citizens of character dedicated to serving their nation and community.” Students who take JROTC classes are expected to participate in Corps of Cadets activities for the entire school year. The instructors encourage all JROTC students to be involved in extracurricular activities, including the school and community service activities and the school’s competition drill team. Cadets will take part in cadet dances, parades, fundraisers, award ceremonies, community service projects, and encampments. Cadets are given the opportunity to learn leadership and gain job experience by doing “jobs” in the cadet corps, such as Logistics Officer, Finance Officer, Public Affairs Officer, etc. JROTC provides students with life skills, such as: how to interview, how to balance a checking account, how to survive a fall through the ice and how to get water in the desert. All JROTC classes consist of: 40% aerospace science/40% leadership/20% health and wellness.

As part of the curriculum, cadets must wear the uniform, learn how to march, and participate in a fitness program at least once each week. Failure to wear the uniform and meet grooming standards will result in a failing grade for the course. Students can earn two college credits for each AFJROTC course they complete successfully and three college credits for completing the Cultural Studies course. No CLEP is needed. Currently, credits cost \$65 each through Adams State College or Colorado State University.

### **717 JROTC/Aerospace Science I**

**5 Credits**

This aviation history course focuses on the development of flight throughout the centuries from ancient times to modern day. The emphasis is on civilian and military contributions to aviation; the development and modernization of the Air Force. Throughout the course there are readings, videos, hands-on activities, and in-text exercises to guide reinforcement of the materials. The leadership portion of the course focuses on basic static and marching skills, customs and courtesies, public speaking, citizenship and learning to live the corps values. The physical training and wellness portion of the course provides a basis for students to learn good fitness and wellness habits for life.

### **727 JROTC/Aerospace Science II**

**5 Credits**

**Prerequisite: AS I or instructor approval**

This science of flight course focuses on how aircraft fly, how weather conditions affect flight, how flight affects the human body and flight navigation. Throughout the course there are individual and group activities, technology enrichment, flight simulator activities, videos, readings and hands-on activities designed to enhance the learning experience of the cadet. The leadership curriculum stresses effective communication skills through written reports and speeches; more complex mid-level marching skills; customs and courtesies, leadership examples and scenarios. The physical training and wellness portion of the course provides a basis for students to learn good fitness and wellness habits for life.

### **737 JROTC/Aerospace Science III**

**5 Credits**

**Prerequisite: AS I or AS II or instructor approval**

This is a customized course about space and the human exploration of space. It includes the latest information available in space science and space exploration. The leadership class looks at the path to take after high school, college applications, job searching, job interviewing and helps cadets acquire many important life skills such as dealing with contracts, wills, leases, financial planning, and shopping skills. The physical training and wellness portion of the course provides a basis for students to learn good fitness and wellness habits for life.

### **747 JROTC/Aerospace Science IV**

**5 Credits**

**Prerequisites: AS I or AS II and be either a senior or a junior with a Command Staff position**

This leadership and management course includes seminars on leadership and management and provides cadets the opportunity to put the leadership and management skills they have learned into action as they are asked to manage the entire corps; utilize hands on experience in the planning, organizing, directing, controlling, and coordinating the tasks needed to accomplish a goal. Cadets are eligible for “Project Intern Plus” to practice leadership skills in local businesses. The physical training and wellness portion of the course provides a basis for students to learn good fitness and wellness habits for life.

**758 JROTC/Aerospace Science Survival**

**5 Credits**

**Prerequisite: AS I, AS II and a third AS course. Instructor approval required.**

The survival course is a synthesis of the basic survival information found in Air Force Regulation 64-4, Survival Training and information from other expert survival sources. Survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. This course also presents information that would be useful in many situations. Physical training and wellness will be twenty percent of the course. The physical training and wellness portion of the course provides a basis for students to learn good fitness and wellness habits for life. Leadership education/drill and ceremonies training will be forty percent of the course.



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**PERFORMING ARTS DEPARTMENT**

**807 Band 8****807A Band 8 Semester**

This class focuses on critical listening and thinking skills for participation in instrumental ensembles. Particular attention is paid to musical fundamentals and performance.

**822S Mixed Choir (Note – Credit bearing for 9<sup>th</sup> grade only)****822Y Mixed Choir Semester**

This course is the introductory choir at Taunton High School. Vocalists from grades 8 and 9 combine to learn fundamentals of musicianship through performance in a choral ensemble. Music literacy and performance practice are among the areas of focus for this class.

**809 Concert Band****10 Credits****Prerequisite: Band 8 or director approval**

The band has as its primary objective the development of young musicians to take their place in the musical life of the community. Students play a variety of music and perform at athletic events, school functions, concerts, and community events. Concerts are performed at least once per semester.

**830 Symphonic Band****10 Credits**

This is the premier instrumental music ensemble at Taunton High School. Membership is determined by audition and/or director discretion. Students learn advanced musical ensemble techniques, music theory, as well as creative methods for music performance. Individual thinking skills and interpretation are stressed. Students will be required to perform at school and community events.

**828 Concert Choir****10 Credits****Prerequisite: Recommendation of the Choral Director, participation in Treble Chorus for girls**

This group is limited to approximately 100 voices and runs throughout the year. This chorus is open to all freshmen, sophomores, juniors, and seniors by recommendation. All boys will be accepted into this choir. This group is required to sing at school and community events.

**838 Select Chorus****10 Credits****Prerequisite: Audition and director's recommendation**

Students in this chorus work on a variety of musical selections throughout the year and perform at various school assemblies, concerts, and community functions. This group is limited to approximately 30 voices. This is the school's premier choral group and is required to perform at school and community events.

**834 Harmony and Theory****5 Credits**

This course is open to all sophomores, juniors, and seniors who have an interest in music and wish to perform or write music. This is a recommended course for future music majors. Some background in music will help but is not necessary.

**840 Guitar****5 Credits**

This class is open to all levels of guitarists from those with experience looking for a school guitar ensemble to those who have no experience and wish to learn basics through participation in this class.

## VISUAL ARTS DEPARTMENT

There are a number of reasons to study visual art. Visual arts education inspires students to perceive and shape the visual, spatial, and aesthetic characteristics of the world around them. Using a variety of ways to explore, learn, and communicate, students develop their capacity for imaginative and reflective thinking. Study in the arts cultivates creative problem solving, one of the most marketable skills for the future. Additionally, the recommended program of studies in the Massachusetts High School Program of Studies (Mass Core) includes one year of an arts education.

### **Guidelines for Parental Consideration**

Art classes at Taunton High School are five-credit semester-long electives for students who are enthusiastic about art to engage in daily art experiences. The program consists of the following paths: Drawing and Painting, Three-Dimensional Design, Photography and Artisans' Studio (fine crafts). The introductory course, Drawing and Painting I and the exploratory course, Art 8, provide the knowledge and skills for further study in art at Taunton High School. A final average of a "C" or higher is a prerequisite to continue within the course sequences.

All courses in the visual arts are designed to achieve our school mission through the study and creation of art as well as prepare students for the many careers that utilize the field of art. Particular emphasis will be placed on the academic expectations to communicate effectively, think critically, and demonstrate creative literacy as students meet social and civic expectations. In each course in the art program, every effort is made to accommodate various learning styles. While a course fee has been instituted for each art course to help defray the cost of consumable materials, this fee will be waived for those students who qualify for Free and Reduced Lunch status.

#### **806 Art 8 (Course Fee \$10.00)**

This exploratory course for eighth graders provides opportunities for students who are enthusiastic about engaging in daily art experiences to expand their skills in visual communication and creative problem solving. Incorporating knowledge, skills, and understanding of the elements of art and the principles of design, students take original ideas through the creative process from envisioning and sketching, to creating, and exhibiting. Students explore various art media and techniques to create two-dimensional and three-dimensional artwork. Students will also reflect critically on learning experiences and processes during critiques, when they analyze their own work and the work of others. Additionally, students develop an understanding of the visual arts in relation to history and culture as they analyze and interpret the meaning in works of art.

#### **915 Drawing and Painting I (Course Fee \$10.00)**

**5 credits**

This introductory course provides opportunities for students who are interested and enthusiastic about art to engage in daily art experiences and expand skills in communicating through art as a visual language. Incorporating knowledge, skills, and understanding of the elements of art, students take original ideas through the creative process from envisioning sketching, and planning, to creating, reflecting, refining and exhibiting. Students will examine each Element of Art with corresponding exercises and projects resulting in finished pieces of art. During class critiques, students will analyze and evaluate their own work and the work of others in order to improve, elaborate, refine and maximize creative efforts. Students develop technical skills in a variety of coloring media such as colored pencil, oil pastel, watercolor and acrylic paint and will also examine the use of color in some movements in Modern Art.

#### **925 Drawing and Painting II (Course Fee \$10.00)**

**5 credits**

**Prerequisite: Recommendation from Drawing and Painting I with a final average of C or higher and/or Curriculum Supervisor approval**

In this course, students will explore a variety of approaches to drawing and painting and complete projects at a more advanced level. Developing technical skills with materials including pencils, charcoal, acrylic paint and watercolor, students will draw from observation and imagination, rendering subjects such as portraits, still life, landscape, human figure and more. Students will be encouraged to develop original ideas and apply creative problem-solving to make personal statements. By studying the principles of design, completing preliminary sketches and participating in critiques, students will learn to strengthen compositions. Printmaking may be introduced.

#### **935 Drawing and Painting III (Course Fee \$10.00)**

**5 credits**

**Prerequisite: Recommendation from Drawing and Painting II with final average of C or higher**

This course is for the serious art student who welcomes the challenge of artistic development. Emphasis will be placed on original idea development and expression of the student's personal vision, voice, and style. Students will sharpen observational skills and refine technical proficiency in drawing, painting and printmaking. The Drawing and Painting third level student will be expected to maintain a sketchbook, demonstrate creative literacy and be skilled in art criticism. Portfolio development and presentation of artwork will be encouraged.

**945 Drawing and Painting IV (Course Fee \$10.00)****5 credits****Prerequisite: Recommendation from Drawing and Painting III with a final average of C or higher**

This course is for proficient and serious art students. Project work will continue on a more advanced level in drawing, painting, and printmaking. Students will develop portfolio quality work that is a vehicle for their vision and voice. Technical proficiency is expected as the student's artistic style is further developed and defined. Mark-making and mixed media will be explored. Students will study and research career paths and art schools. Portfolio development is stressed. Students will learn how to mat and mount art for presentation.

**926A Artisans' Studio I (Course Fee \$10.00)****5 credits****Prerequisite: Recommendation from Drawing and Painting I with a final average of C or higher and/or Dept. Head Approval**

This project-based course introduces students to a variety of historical and contemporary crafts. Units may include jewelry making with precious metal and handmade beads, paper arts such as papermaking, marbling, bookbinding and altered books; fabric decoration by painting, dyeing, stamping, or stitching, fibers arts in weaving or basketry, functional and/or sculptural construction. Students develop problem solving skills as they design projects and craftsmanship as they create original fine crafts.

**926B Artisans' Studio II (Course Fee \$10.00)****5 credits****Prerequisite: Recommendations from Artisans' Studio I with final average of C or higher**

This project-based course offers artisans an opportunity to further develop skills in crafts with which they have some experience or to explore new directions in other craft forms. Units may include jewelry making with precious metal and handmade beads, paper arts such as papermaking, marbling, bookbinding and altered books; fabric decoration by painting, dyeing, stamping, or stitching; fibers arts in weaving or basketry; and functional and/or sculptural construction. Students develop problem solving skills as they design projects and craftsmanship as they create original fine crafts.

**926C Artisans' Studio III (Course Fee \$10.00)****5 credits****Prerequisite: Recommendations from Artisans' Studio II with final average of C or higher**

This project-based course offers experienced artisans an opportunity to further refine skills in craftsmanship and utilize creative problem-solving applied to thoughtful, original designs of fine crafts. Students may further develop skills in media with which they have some experience or to explore new directions in other craft forms and/or media. Units may include jewelry making with precious metal and handmade beads, paper arts such as papermaking, marbling, bookbinding and altered books; stained glass, fabric decoration by painting, dyeing, stamping, or stitching, fibers arts in weaving or basketry, functional and/or sculptural construction.

**938 Photography I (Course Fee \$10.00)****5 credits****Prerequisite: Recommendations from Drawing and Painting I with a final average of C or higher and/or Curriculum Supervisor**

This course allows students to apply their knowledge, skills and understanding of the elements of art and principles of design to the photographic medium. Students learn about the brief history of photography and gain understanding of the fundamentals of black and white film photography, from composing images within the camera for proper exposure to the development of negatives. Students transfer film negatives into digital files using a scanner and develop competency in digital editing techniques with Adobe Photoshop. Students are expected to independently capture images digitally and on film outside of class time.

**933 Photography II (Course Fee \$10.00)****5 credits****Prerequisite: C or better in Photography I, teacher recommendation**

This course allows students to further develop their photography portfolio while exploring advanced editing techniques using Adobe PhotoShop. Additionally, students will gain a greater understanding of how to navigate the manual settings on their camera to control exposure, focus, and depth of field. Through the implementation of scanography and in Adobe Photoshop, students will utilize this digital medium for artistic expression and visual communication. Students are expected to independently capture images outside of class time. Students enrolled in this course should have their own digital camera.

**927 Three-Dimensional Design I (Course Fee \$10.00)****5 credits**

This course challenges students to design and create original three-dimensional forms, primarily with clay. Using the basic methods of clay construction (pinch, coil, slab, drape mold, wheel throwing, additive and subtractive sculpture), students learn the ceramic process, including surface treatments and firing. Emphasis is on original designs and skilled craftsmanship.

**937 Three-Dimensional Design II (Course Fee \$10.00) 5 credits****Prerequisite: C or better in Three-Dimensional Design I, teacher recommendation**

In this course students will design and create representational and abstract sculpture from materials such as clay, plaster, wire, wood, found objects, Pariscraft® and papier mâché. Emphasis is placed on the creative problems-solving process of considering multiple ideas, sketching, identifying the best materials and methods of construction. Students are challenged to think critically of their creative choices within the context of class assignments.

**947 Three-Dimensional Design III (Course Fee \$10.00) 5 credits****Prerequisite: C or better in Three-Dimensional Design II, teacher recommendation**

This course will challenge students to apply their technical and visual skills to a variety of in-depth sculpture projects. Appropriate choice of media, technique and process will be determined by the student's conceptual design and intent.

**946 Advanced Placement Studio Art (Course Fee \$10.00) 5 credits**

Students may choose from the 3-D AP Studio Art Portfolio, the 2-D AP Studio Art Portfolio or Drawing AP Studio Art Portfolio. Students will first gain an understanding of the three components of the AP Portfolio Exam (Breadth, Concentration, and Quality). Distinctions between the Drawing and the 2-D Design Portfolio will be presented through in depth discussion and examples from AP College Board slides and past student work. In addition to a strong work ethic in class, extensive efforts beyond class time, including summer assignments, will be expected in order to meet the rigorous requirements of the AP portfolio. Students will demonstrate mastery through a range of concepts, approaches, and media as they develop personal vision, voice and style.

**950 Advanced Independent Studio Art (Course Fee \$10.00) 5 credits****Prerequisite: AP Studio Art and/or Dept. Head Approval**

Serious student artists may elect this course for independent study in art to continue development of the AP Portfolio and/or other personal artistic direction with the guidance of an instructor. Assessment is based on the satisfactory completion of teacher-approved student goals and productive use of class time.

**975 Broadcasting I 5 credits**

Students learn the basic principles of radio and television production. They learn the fundamentals in both studio and field environments, as well as how to use the video and radio equipment that is used within the Taunton Public School System. Students also begin to learn how to digitally edit video, and begin to familiarize themselves with the principles of radio broadcasting. Students are responsible for filming events beyond the regular school day. This class is open to sophomores, juniors, and seniors.

**976 Broadcasting II 5 credits****Prerequisite: B or better in Broadcasting I, teacher recommendation**

Students continue to develop the skills learned in Broadcasting I. Students produce short films and videos using the digital editing computers. They learn how the entire production process works including planning, lighting, composition, filming, audio and post-production editing. They learn how to produce studio productions focusing on lighting and meeting deadlines. A major emphasis of this class is on pre- and post-production planning and execution. Students have the opportunity to develop their broadcasting skills in either a radio or video setting. Students are required to produce numerous film or video projects in addition to filming events beyond the regular school day. This class is open to juniors and seniors.

**977 Broadcasting III 5 credits****Prerequisite: B or better in Broadcasting II, teacher recommendation**

This is an advanced video production class for students who have successfully completed Broadcasting I and Broadcasting II. The primary focus of this class is in the area of broadcast journalism and newsgathering for television production. This class prepares students for potential careers as reporters, videographers, editors, writers, and news producers for radio or television. Students will learn the fundamentals of broadcast news and will work to produce a news show for Taunton High School. In addition to acquiring newsgathering skills, students will continue to enhance their abilities in all areas of the broadcasting field. Students will continue to create short video projects and will still be required to film events beyond the regular school day.

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## WELLNESS DEPARTMENT

Physical Education, Health and Wellness are required subjects for graduation from Taunton High School. Attendance, preparedness for class, and participation are the criteria for a passing grade in physical education. Students who are unable to participate must secure a doctor's excuse in September of the school year stating the reason. No credit will be given to students with medical exemptions.

### **8812 Wellness 8**

In Wellness 8, students will gain the tools needed to establish and foster a healthy lifestyle through the study of all components of wellness: physical, emotional, social, intellectual, occupational, environmental, and spiritual. Students spend three days each week in the classroom learning about a wide range of topics including: fitness, nutrition, communication, body awareness, eating disorders, substance abuse, decision making, goal setting, mental health issues including depression and suicide prevention, violence prevention, and diversity, as well as issues related to sexuality including abstinence, pregnancy prevention, STDs and dating violence prevention. The remainder of class time is spent in the field house where students actively participate in warm-up and skill-building activities along with a weekly one mile run. Grades are based on student effort, project completion, participation in class activities, and writing assignments.

### **920 Wellness I**

**5 Credits**

This course is generally taken by sophomores and meets on a daily basis, incorporating pertinent health topics, personal fitness assessment, current issues in our society today, and the science behind human performance. This course allows students to expand their knowledge base and apply information to their current and future goals. Sample topics include fitness analysis and design, nutrition, substance abuse, growth and development, drugs in our society, first aid and safety, and human sexuality. The course incorporates lecture, discussion, exploration, and interactive teamwork both in the classroom and the field house. Community resources are integrated in the form of speakers and educational programs.

### **930 Wellness II**

**3 Credits**

This course, generally taken by seniors, is essentially a physical education course. Offerings may include Project Adventure, Aerobics/Dance, Weight/Cross Training, Volleyball, Basketball, Racquet Sports, Yoga and games.

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### **SPECIAL EDUCATION PROGRAM**

Individuals with Disabilities Education Act (IDEA), Massachusetts General Law (MGL C 71(b)) and Massachusetts Special Education Law (603CMR 28.00) requires the Taunton School District inclusive of Taunton High School to provide special education and related services to eligible students in which an Individualized Education Program (IEP) has been developed. All students are provided the opportunity for a Free Appropriate Public Education (FAPE) in the least restrictive educational environment providing “specially designed instruction” to meet the unique needs of individual students. Related services are provided if required by the student in order to benefit from specially designed instruction. All students are provided “full educational opportunity”.

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**ENGLISH LANGUAGE LEARNERS PROGRAMS**

Taunton Public Schools, like most Massachusetts public school districts, employs the Sheltered English Immersion Approach for the education of English Language Learners in grades 8 through 12. This approach is comprised of two components; Sheltered English Instruction and ESL. Sheltered English Instruction classes are core content classes taught by teachers who have earned the SEI endorsement. These specially trained teachers provide academic instruction using strategies and accommodations differentiated by the student's English proficiency level to make the content comprehensible. The second component of the Sheltered English Immersion Approach is ESL. Based on an individual student's English proficiency level, English Language Learners attend one to three English Language Development (ELD) classes per day which are taught by ESL certified teachers and are designed to provide direct English language instruction.

Courses offered are:

**902 ELD 8 (Grade 8 students)**

**912 ELD I 5 credits**

**922 ELD II 5 credits**

**932 ELD III 5 credits**