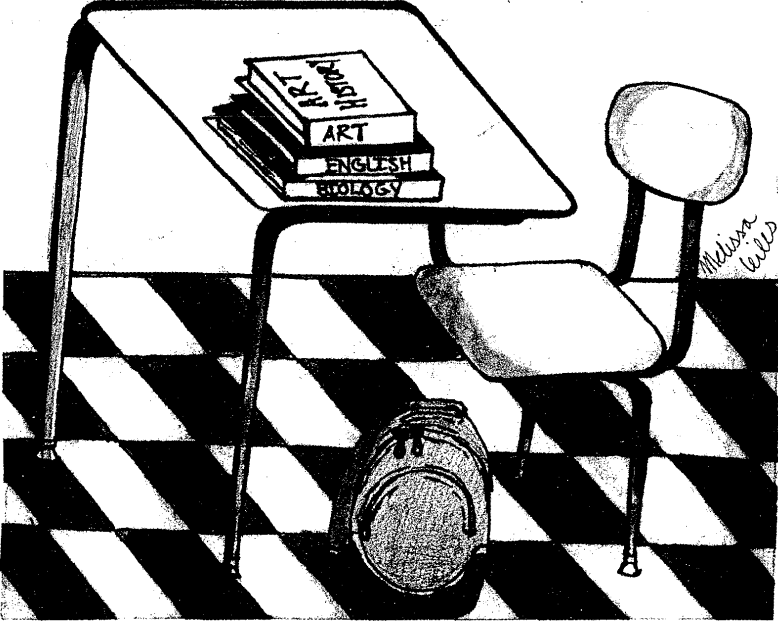
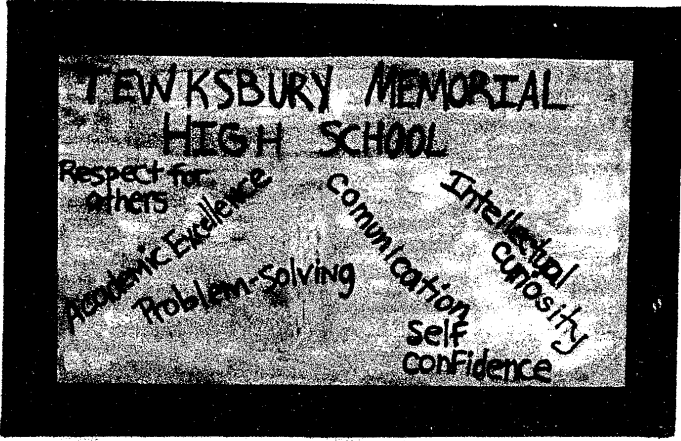


TEWKSBURY MEMORIAL HIGH SCHOOL  
COURSE CURRICULUM GUIDE  
2009-2010



# Tewksbury Memorial High School

## Mission Statement

Tewksbury Memorial High School provides students with an experience that promotes academic excellence, intellectual curiosity, respect for others, and self-confidence. We foster the development of communication and problem-solving skills necessary to become successful, contributing members of society.

## Expectations for Student Learning

Students will:

### **[Academic]**

- **communicate effectively** – Obtain information and present ideas in clear, articulate manner.
- **solve complex problems** – Assess and solve multi-step as well as multi-faceted problems, using appropriate problem solving methods and higher order thinking skills.
- **work with others toward a common goal** – Accept personal responsibility and work independently in a group setting.

### **[Civic]**

- **contribute to their community and the global society** – Participate in student and/or community service groups.

### **[Social]**

- **respect the rights of others** – Follow rules of school, community, and society.
- **exercise life skills that promote personal growth** – Identify personal values, strengths and weaknesses, set goals, and create a plan to achieve them.

The acquisition and application of these expectations promote life-long learning.

## Graduation Requirements

<u>SUBJECT</u>	<u>CREDITS</u>
English (Senior English must be taken as a senior)	15 credits
World Studies-10 (includes English & Social Studies)	10 credits
History (10 of which is U.S. History)	15 credits
Mathematics	20 credits
Science (freshmen must take two semesters of Biology)	15 credits
Computer Technology*	5 credits
Foreign Language (2 courses in a single language)	10 credits
Fine Arts (Art & Music)	5 credits
Applied Arts	5 credits
Wellness/Physical Education	10 credits
Electives**	30 credits
<hr/>	
<b>TOTAL</b>	<b>140 credits</b>

*NOTE: All students must pass certain MCAS tests in order to graduate from any public high school in Massachusetts.*

\*Students who elect an AP course or a 4<sup>th</sup> year of a foreign language may be granted a waiver for one of the fine arts requirements or computer courses. If a student passes an additional AP course or 4<sup>th</sup> year of foreign language, a second waiver may be granted. However, it is important to note that all students must elect at least one fine art course, one computer course and one applied art course.

\*\* Students must still pass a total of five electives from the areas of fine arts, computer, and applied arts courses. In addition to the three required electives listed above, two of the remaining electives must also be selected from these areas.

### Promotion Requirements

Grade 9 to Grade 10 -- 30 credits  
Grade 10 to Grade 11 -- 65 credits  
Grade 11 to Grade 12 -- 100 credits

### General Guidelines for Course Selection

- With the help of their teachers and Guidance Counselors, students may select any of the courses described in this booklet in order to satisfy graduation requirements and career interests.
- Students should be especially alert to recommendations as stated after each course description before making a selection.
- Insufficient number of student requests, insufficient staffing, and/or final approval of the Tewksbury School Committee may limit course offerings.
- Students planning to attend and to participate in a National Collegiate Athletic Association (**NCAA**) Division I or Division II college or university athletic program must see their Guidance Counselor in order to determine NCAA approved courses.

## Guidance Services

To enable students to direct their education toward personal and career goals, to help them grow and mature so that they best utilize their educational opportunities, and to assist them in coping with stressful situations which otherwise would interfere with their education, the Guidance Department is committed to assisting each student in the following areas:

- Proper scheduling
- Fulfillment of graduation requirements
- Review of and counseling for academic progress
- Standardized testing support (Including MCAS)
- Liaison between student, faculty, administration, parent/guardian, and programs outside of TMHS
- Career exploration and choices
- Appropriate post secondary choices
- College application process
- Personal counseling
- Referral to outside agencies
- Facilitate workshops for college planning: resume writing, essay writing
- Financial Aid Workshop

## Guidance Assignments\*

TMHS Guidance Counselors: Karen Baker-O'Brien, Department Chairperson  
Tina Graham  
Cecily Markham  
Brian Hickey – Freshman Counselor

\*Counselor breakdown will be available at the beginning of the academic year. Mr. Hickey is the counselor for all freshmen.

## Making a Guidance Appointment

- Students are encouraged to make an appointment with their guidance counselor. This is done by filling out an appointment sheet in the Guidance Office or by going directly to the counselor at a convenient time to make an appointment.
- The Guidance Counselor will then write the date and time of the appointment on the slip and give it directly to the student or call the student out of class.
- Prior to meeting with the Guidance Counselor, a student must show the appointment slip to his/her classroom teacher for signature approval in order to be excused from the assigned class.

## Course Change Policy

- **Course change based on teacher preferences will not be honored.**
- Any student wishing to make a schedule change must obtain a course change form from his/her guidance counselor.
- Change requests are reviewed with the counselor to determine if the change is in the best academic interest of the student.
- Except under special circumstance, all changes must be requested during the first fifteen school days of the semester.
- All changes are subject to approval of the teacher, Department Chairperson, and/or Principal.

## Advanced Placement (AP) Courses

- All AP courses are designed to be full year ten (10) credit courses divided into two (2) semesters, five credits awarded at the end of each semester.
- The second semester content is a continuation of the AP curriculum begun in the first semester **and** a concentrated AP examination preparation.
- Students are expected to elect **BOTH** semesters (e.g. 154 AP British Literature and 164 AP British Literature Exam Preparation).
- **Students who drop the second semester portion of an AP course will receive Level I weighted credits for the grade earned first semester.**
- Students who elect AP courses are required to take the AP exam in the spring to successfully complete the course and to receive AP weighted credits.
- The exam fee will be collected in February. Financial Aid may be available in some cases.

## STATE COLLEGE and UMASS MINIMUM ADMISSIONS STANDARDS

**Freshman Applicants:** To enter UMass or a state college as a freshman, the student will need to:

1. take and pass 16 college preparatory high school courses,
2. earn a cumulative minimum B average in college preparatory courses
3. take the SAT I or ACT test.

### **Academic Course Requirement:**

Sixteen college preparatory courses (each course is equivalent to a year-long high school class) as required:

- **English** - 4 courses
- **Math** - 3 courses (Algebra I & II, Geometry or Trigonometry, or comparable coursework)
- **Sciences** - 3 courses (including 2 courses with laboratory work)
- **Social Sciences** - 2 courses (including 1 course of U.S. History)
- **Foreign Languages** - 2 courses (in a single language)
- **Electives** - 2 courses (from the above subjects or from the Arts and Humanities or Computer Sciences)

### **Minimum Grade Point Average in Required Courses:**

The grades earned in college preparatory courses will be averaged into a grade point average (GPA). In calculating GPA, extra credit will be given for honors or advanced placement courses. Grades will be converted to a 4.0 scale, where "A"=4.0, "B"=3.0, "C"=2.0, and "D"=1.0. On this scale, a 3.0 GPA is equal to a "B" average. **Note: Requirement for UMass and State Colleges is a 3.00 GPA.**

# Independent Study

**Purpose:** A student may be able to pursue a course of study at a time different from which it is currently scheduled.

**Restrictions:**

- Course must be described in this curriculum guide.
- Course must be currently in session.
- Course satisfactorily completed may not be considered for independent study.

**Eligibility:**

- Student must have a teacher recommendation.
- The recommendation should be based upon the student's capability to handle the responsibility rather than on past grades.
- Recommendations must have been satisfied.
- The program will be highly selective.

**Credits:**

- Student will receive credits as described in the Curriculum Guide for having satisfactorily completed course requirements.
- If a student does not complete the required work he/she will receive a grade of "F" and **zero** credit.

**Scheduling:** Student will be assigned to a class period according to the Independent Study supervising teacher's consent and schedule.

**Procedures:**

- Teacher will submit the outline of the proposed Independent Study to the Department Chairperson for approval.
- The outline should closely follow the currently offered curriculum outline and assessment procedures.
- Department Chairperson will submit a copy to the Principal's Office for final review and/or approval.
- Student will be responsible for submitting work, projects, tests, and other scheduled assessments per agreement to the supervising teacher.
- Grade will be submitted by the supervising teacher with current class grades.
- Student may only elect one (1) Independent Study course per year.
- Teachers will be asked to handle not more than three students on Independent Study at one time.

# Humanities/English

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**100   Honors Freshman English   Grade 9   Honors   Credits 5**  
 (Recommendation: A grade of 95 or better in 8<sup>th</sup> grade English and the recommendation of the student's eighth grade English teacher.)

Honors Freshman English focuses on grammar, vocabulary, composition skills and literary genres (including the novel, short story, poetry, non-fiction, drama and speeches). The course will encourage academic excellence and intellectual curiosity through reading, writing, literary analysis and discussion. Vocabulary, grammar and writing skills will be emphasized in order to enhance students' communication skills and self-confidence.

Honors Freshman English is intended for students willing to challenge themselves in an academic environment, which assumes high motivation and a strong work ethic on the part of the student.

**101   Freshman English   Grade 9   Level 1   Credits 5**  
 (Recommendation by the student's eighth grade English teacher.)  
**102   Freshman English   Grade 9   Level 2   Credits 5**

Freshman English focuses on grammar, vocabulary, composition skills and literary genres (including the novel, short story, poetry, non-fiction, drama and speeches). The course will encourage academic excellence and intellectual curiosity through reading, writing, literary analysis and discussion. Vocabulary, grammar and writing skills will be emphasized to enhance students' communication skills and self-confidence.

## For Courses 110, 111, and 112:

All sophomores must take World Studies A/B at their appropriate level.

- World Studies A is a one semester course and will count as 2.5 credits toward the graduation requirement in English and 2.5 credits toward the graduation requirement in Social Studies. (A total of 5 credits for this Semester I course)
- World Studies B is a one-semester course and will count as 2.5 credits toward the graduation requirement in English and 2.5 credits toward the graduation requirement in Social Studies. (A total of 5 credits for this Semester II course)
- Successful completion of World Studies A/B earns a student 5 credits in English and 5 credits in Social Studies

*Note: If a student fails World Studies A or World Studies B he/she must make up the credits in summer school, New Start, or take the course(s) again the following year. World Studies A is in the fall semester and World Studies II B is in the spring semester. Courses A & B are separate courses; the grades received in each are not combined.*

For convenience, World Studies A and B are described below as World Studies A/B and students will sign up for them as a single unit (World Studies A/B).

110    Honors World Studies A/B    Grade 10    Honors    Credits 5/5  
(Recommendation: A grade of "B" or better in BOTH English 100 and History 200, or a grade of "A-" or better in English 101 AND History 201.)

Honors World Studies is taught by a team consisting of one History teacher and one English teacher. It is intended to be an intensive educational experience for the most talented and motivated students in the sophomore class. Students will study the major events and literature from 1775 to the present (110A: 1775-1900/110 B: 1900-Present). There will be numerous readings and a major emphasis on critical analysis in papers and oral presentations. Major research papers will be an important feature of the course. Teachers will expect students to demonstrate well-developed reading and writing skills and the ability to discuss history and literature at a sophisticated level.

111    World Studies A/B    Grade 10    Level 1    Credits 5/5  
(Recommendation: A grade of "C" or better in English 101 AND History 201, or an average of "A-" or better in English 102 AND History 202.)

112    World Studies A/B    Grade 10    Level 2    Credits 5/5  
(Recommendation: A passing grade in Freshmen English 102, 101 or 100 and a passing grade in Freshmen World History 200, 201 or 202.)

A team of two teachers, one History teacher and one English teacher, teach World Studies A/B. The course covers the period 1775 to the present (World Studies A: 1775-1900 and World Studies B: 1900-Present) Students will study the events of those years and, working with appropriate historical and literary materials, will understand the major themes of the histories and cultures of Europe, Asia, Africa and the Americas. A special emphasis is placed on the development of students' abilities to read, interpret and write about literature and history.

140    Honors American Literature    Grade 11    Honors    Credits 5  
(Recommendation: A grade of "B" or better in course 110 or a grade of "A-" or better in course 111.)

Students will focus on the critical analysis of American literature through the appreciation of common themes. Interpretation of the material through both its literary and historical contexts is stressed through classroom discussion, group and individual projects. Students will continue to improve their skills in both analytical and creative writing. Reinforcement of grammatical and literary terminology developed in the freshman and sophomore years will be accomplished through reading and writing assignments. Students will be expected to master the prescribed vocabulary list for juniors taken from the SAT "Hot Prospects List."

This course is designed to promote academic excellence through the acquisition of skills and knowledge that enhance the ability of students to become contributing members of society. Through reading, writing, oral presentations and group work, students will meet the expectations of effective communication, problem solving and cooperation.

141    American Literature    Grade 11    Level 1    Credits 5  
(Recommendation: A grade of "C" or better in course 111 or a grade of "A-" or better in course 112.)

142    American Literature    Grade 11    Level 2    Credits 5  
(Recommendation: Passing grade in course 112)

Students will focus on the critical analysis of American literature through the appreciation of common themes. Interpretation of the material through both its literary and historical contexts is stressed through classroom discussion, group and individual projects. Students will continue to improve their skills in both analytical and creative writing. Reinforcement of grammatical and literary terminology developed in the freshman and sophomore years will be accomplished through reading and writing assignments. Students will be expected to master the prescribed vocabulary list for juniors taken from the SAT "Hot Prospects List."

This course is designed to improve academic excellence through the acquisition of skills and knowledge that enhance the ability of students to become contributing members of society. Through reading, writing, oral presentations and group work, students will meet the expectations of effective communication, problem solving and cooperation.



**175    Speculative Fiction**

**Grades 11, 12**

**Credits 5**

Students will explore the lessons taught in science fiction and fantasy through novels, short stories, and films. The course will focus on science fiction's "sense of wonder" and fantasy's "hero's journey". Students will learn how to build a science fiction and a fantasy world and will learn storytelling techniques appropriate to both genres. Readings and films may include *Ender's Game*, *Starship Troopers*, *Battlestar Galactica*, *Contact*, *A.I. Artificial Intelligence*, *The Lord of the Rings*, *Thunderheart*, and selected fairy tales.

**Note: This course does not help fulfill the 20 credit requirement in English for graduation.**

**180    Journalism**

**Grades 11, 12**

**Credits 5**

This course is designed for students to experience all aspects of the journalistic process from the birth and cultivation of an idea into a full-fledged news article in publishable form. Students will learn reporting and interviewing techniques, how to write feature, news or sports articles, as well as editorials and reviews. The history and ethics behind journalism will also be studied. Writing and revision are the main focus of this course. The *Tewksbury Times* will be published every two to three weeks during the semester. Anyone interested in a career in journalism or publishing should consider this course.

**Note: This course does not help fulfill the 20 credit requirement in English for graduation.**

**185    Film and Literature**

**Grades 11, 12**

**Credits 5**

Students will focus on the critical analysis of both literature and film. They will focus on comparing novels with the film adaptations in terms of character development, timing and style. They will explore these issues through classroom discussion, group work, analysis and individual projects and papers. They will also learn about proper script format and will practice this skill. Some texts/films include: *Alice in Wonderland*, *The Shining*, *Apocalypse Now*, *Stagecoach* and *Cider House Rules*.

**Note: This course does not help fulfill the 20 credit requirement in English for graduation.**

**195    Poe, Horror & the Gothic**

**Grades 11, 12**

**Credits 5**

Students will explore Gothic Literature from its inception to more modern texts. The importance of Gothic architecture will be discussed as it too is utilized in texts of this style. The concepts of horror and terror as they appear in selected texts will be discussed and analyzed in context to film and literature. The character of the madman will also be studied in light of several author's styles. Some of the texts include Edgar Allan Poe's *The Black Cat*, *The Pit and the Pendulum*, *The Fall of the House of Usher*, *The Oval Portrait*, *The Premature Burial*, Hawthorne's *Young Goodman Brown*, Dr. Heidegger's *Experiment*, Goethe's *Faust*, and Dickens' *A Madman's Manuscript*. Bram Stoker's *Dracula*, Shelly's *Frankenstein*.

**Note: This course does not help fulfill the 20 credit requirement in English for graduation.**

# Humanities/Social Studies

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**200   World History      Grade 9      Honors      Credits 5**  
 (Recommendation: A grade of "A" in 8<sup>th</sup> grade history or teacher recommendation)

Freshman World History is the study of the history of the world from the fall of the Roman Empire (476 AD) to the beginnings of the American Revolt for independence (1775). Using a comprehensive textbook and primary and secondary sources, students discover not only what happened during those years, but also how scholars and others have interpreted events as they occurred and in the years since. A major emphasis in the course is the development of each student's ability to analyze history and interpret its meaning for our own time.

The honors sections will assume a high degree of reading and writing proficiency and the ability to budget time to complete several long-term projects and research papers.

**201   World History      Grade 9      Level 1      Credits 5**  
 (Recommendation: A grade of "B" or better in 8<sup>th</sup> grade history.)

**202   World History      Grade 9      Level 2      Credits 5**  
 (Recommendation: A passing grade in 8<sup>th</sup> grade history.)

Freshman World History is the study of the history of the world from the fall of the Roman Empire (476 AD) to the beginnings of the seventeenth century. Using a comprehensive textbook and primary and secondary sources, students discover not only what happened during those years, but also how scholars and others have interpreted events as they occurred and in the years since. A major emphasis in the course is the development of each student's ability to analyze history and interpret its meaning for our own time.

**For Courses 110, 111, and 112:**

All sophomores must take World Studies A/B at their appropriate level.

- World Studies A is a one semester course and will count as 2.5 credits toward the graduation requirement in English and 2.5 credits toward the graduation requirement in Social Studies. (A total of 5 credits for this Semester I course)
- World Studies B is a one-semester course and will count as 2.5 credits toward the graduation requirement in English and 2.5 credits toward the graduation requirement in Social Studies. (A total of 5 credits for this Semester II course)
- Successful completion of World Studies A/B earns a student 5 credits in English and 5 credits in Social Studies

*Note: If a student fails World Studies A or World Studies B he/she must make up the credits in summer school, New Start, or take the course(s) again the following year. World Studies A is in the fall semester and World Studies II B is in the spring semester. Courses A & B are separate courses; the grades received in each are not combined.*

World Studies A and B are described in the English section of this brochure and students will sign up for them as a single unit (World Studies A/B).

<u>110A/B</u>	<u>Honors World Studies</u>	<u>Grade 10</u>	<u>Honors</u>	<u>Credits 5/5</u>
(SEE COURSE DESCRIPTION IN ENGLISH SECTION OF THIS GUIDE PG. 8.)				
(Recommendation: A grade of "B+" or better in BOTH Freshmen English 100 and Freshmen World History 200, or a grade of "A" or better in Freshmen English 101 AND Freshmen World History 201.)				
<u>111A/B</u>	<u>World Studies</u>	<u>Grade 10</u>	<u>Level 1</u>	<u>Credits 5/5</u>
(SEE COURSE DESCRIPTION IN ENGLISH SECTION OF THIS GUIDE PG. 8.)				
(Recommendation: A grade of "C" in 9 <sup>th</sup> grade World History 201 and Freshmen English 101.)				
<u>112A/B</u>	<u>World Studies</u>	<u>Grade 10</u>	<u>Level 2</u>	<u>Credits 5/5</u>
(SEE COURSE DESCRIPTION IN ENGLISH SECTION OF THIS GUIDE PG. 8.)				
(Recommendation: A passing grade in 9 <sup>th</sup> grade World History 202 and Freshmen English 102.)				

<u>214</u>	<u>AP U.S. History I</u>	<u>Grade 11</u>	<u>Level AP</u>	<u>Credits 5</u>
<u>224</u>	<u>AP U.S. History II</u>	<u>Grade 11</u>	<u>Level AP</u>	<u>Credits 5</u>

(Recommendation: A grade of "B+" in World Studies or teacher recommendation. Students contemplating taking AP 214 and 224 must attend a meeting with the teacher of those courses at which time the course expectations will be described and the summer assignment will be outlined. Completion of the summer assignment is a requirement.)

This full-year course follows the intensive curriculum of the A.P. program published by the College Testing Service in Princeton, New Jersey. AP U.S. History I begins with the early explorations of North America and continues to the end of the Civil War (1492-1865) and AP U.S. History II begins with the end of the Civil War (1865) and continues to the year 2000. Students undertake a variety of activities requiring them to interpret and analyze history. Besides writing weekly papers, students also answer thought-provoking essay questions from previous A.P. U.S. History exams as part of each unit test. The A.P. exam will be given in May (during A.P. U.S. History II) and students are required to take it to receive A.P. credit for the course. Passing the A.P. exam qualifies a student for college credit at many colleges and universities around the country. A testing fee is charged.

**Note:** Students must also elect both AP U.S. History I and AP US History II (214 and 224).

221/231      U.S. History & Government I/II      Grade 11      Level 1      Credits 5  
(Recommendation: A grade of "C" in World Studies 111A/B or a grade of "A-" in World Studies 112A/B)

222/232      U.S. History & Government I/II      Grade 11      Level 2      Credits 5  
(Recommendation: A passing grade in World Studies 112A/B)

This full-year course is a study of major events in U.S. History from the Revolution to the present. The first semester will cover the time period from the Revolution to Reconstruction including the development of our government. The second semester will continue a survey of U.S. history from 1877 to the present including the growth of our government. The course emphasizes analysis of factual information, historical research and relevant geographic, political and economic principles. Through numerous papers and oral presentations students will meet the school-wide expectation of "communicating effectively." and becoming "contributing members of society." Engaging in group projects will enable students to meet the goal of working with others toward a common goal and respecting the rights of others.

241      Psychology      Grades 11, 12      Level 1      Credits 5  
242      Psychology      Grades 11, 12      Level 2      Credits 5

This course is an introduction to the principles of psychology. The topics are: intelligence, personality, behavior, learning, personality disorders, development and types of therapy. Projects and activities include creating collages, relaxation techniques, and role playing. Students are assessed on successful performances on tests and projects.

252      Government and Law      Grades 11, 12      Credits 5

This course is the study of the fundamental principles underlying local, state and national government. The primary emphasis will be local government and the practical application of governmental theory. This course presents an overview of both criminal and civil law. Special emphasis is placed on the legal system with special attention given to the rights of the accused as well as those involving civil cases. Citizen protections and responsibilities are covered in all areas of law including the most recent consumer legislation. This course has proved useful for seniors who may be entering the field of law enforcement or civil service.

261      American Government      Grades 11, 12      Credits 5  
(Recommendation: American History)

American Government is a survey course on the American system of government. The focus of the course is on the structure and function of the three branches of government. Students will analyze the current events in our government through weekly news reports. Model congress, mock trials and other government simulations are a major part of this course.

**271    Economics**

**Grades 11, 12**

**Credits 5**

Economics is the study of choices. In this rigorous course, students will become entrepreneurs, start their own businesses, and invest in the stock market. Students will analyze concepts ranging from the demand for car stereos to the value of treasury bonds. Consistent effort and participation are essential to success in this challenging class. All students, particularly those interested in pursuing careers in business, the law, or government should seriously consider taking this course.

**280    International Relations**

**Grades 11, 12**

**Credits 5**

This course will encourage the student to think globally and to enter the world of international co-operation and conflict. Using current international events, students will analyze how countries determine and pursue their national interests. A feature of the course will be the Model United Nations at UMASS Lowell in which TMHS students will engage in international dialogue with students from other schools around the area.

# Mathematics

**SPECIAL NOTE:** Students who are requesting a course and who are not in the normal designated grade level for that course must secure Department Chairperson approval.

The 9<sup>th</sup> and 10<sup>th</sup> grade mathematics programs consist of two semesters each year labeled A/B. Final grades and credits are issued independently each semester.

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**300   Honors Geometry A/B                      Grade 9                      Honors                      Credits 5/5**  
 (Recommendation: A final grade of "A-" or better in Algebra Grade 8)

This full-year course is designed for the motivated student with a strong mathematics background. The design of the course will lead students through the problem solving process by showing them how to formulate a plan, to select appropriate strategies, and to proceed logically towards a solution. The emphasis in the first semester topics stress radicals, factoring, linear and quadratic equations, rational expressions and equations. The second semester is on the definitions and properties of geometric figures including polygons, circles, spheres, and rectangular solids.

**301   Algebra I A/B                                      Grade 9                      Level 1                      Credits 5/5**  
 (Recommendation: A final grade of "B" or better in Grade 8 Math)

**302   Algebra I A/B                                      Grade 9                      Level 2                      Credits 5/5**  
 (Recommendation: Grade 8 Math)

Algebra I is a full-year college preparatory course. The course stresses equations, radicals, polynomials, graphing, probability and statistics, functions, factoring, area and basic trigonometric concepts. Algebra is presented with real-world applications to make mathematics relevant. This will be accomplished through the use of manipulatives, activities, interactive technology, and an exploratory approach to learning.

<u>320A</u>	<u>Honors Algebra II</u>	<u>Grade 10</u>	<u>Honors</u>	<u>Credits 5/5</u>
<u>320B</u>	<u>Honors Advanced Algebra &amp; Trigonometry</u>	<u>Grade 10</u>	<u>Honors</u>	<u>Credits 5/5</u>

(Recommendation: A grade of "B" or better in Course 300)

Honors Algebra II/Honors Advanced Algebra & Trigonometry sequence usually taken as a full-year course. Honors Algebra II is offered in the fall semester and Honors Advanced Algebra and Trigonometry is offered in the spring semester. This course is designed for students who have exceptional mathematical ability. Topics such as absolute value, exponents, quadratics, rational expressions, complex numbers, matrices, conic sections, and trigonometry will require intense study. This course will prepare students for Pre-Calculus.

<u>321</u>	<u>Geometry/Algebra II A/B</u>	<u>Grade 9/10</u>	<u>Level 1</u>	<u>Credits 5/5</u>
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(Recommendation: Course 300 or a "C" or better in 301 or a "C" or better in Grade 8 Algebra I)

<u>322</u>	<u>Geometry/Algebra II A/B</u>	<u>Grade 10</u>	<u>Level 2</u>	<u>Credits 5/5</u>
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(Recommendation: Course 301 or a grade of "C" or better in Course 302)

This full-year course is a college preparatory course designed for students who have completed Algebra I. Geometry topics such as points, lines, angles, triangles, parallelograms, other polygons, circles and 3-dimensional polyhedrons and spheres are studied. The course will also introduce Algebra II topics such as absolute value equations, rational exponents, and quadratics equation solutions.

<u>352</u>	<u>Algebra II</u>	<u>Grade 11</u>	<u>Level 1</u>	<u>Credits 5</u>
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(Recommendation: A grade of "C" or better in Course 321 or a "B" or better in Course 322)

<u>354</u>	<u>Algebra II</u>	<u>Grade 11</u>	<u>Level 2</u>	<u>Credits 5</u>
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(Recommendation: Course 321 or Course 322)

Algebra II is designed for college preparatory students. Major units of the course include the real number system and its properties, the function concept, rational algebraic expressions, matrices, linear equations and inequalities, quadratic equations, systems of equations, variation, irrational numbers and applications of algebra to real world situations.

<u>356</u>	<u>Advanced Algebra &amp; Trigonometry</u>	<u>Grades 11, 12</u>	<u>Credits 5</u>
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(Recommendation: A grade of "B" or better in Course 352 or Course 320.)

This course is intended to prepare students for the study of calculus at the college level. It is a study of algebraic techniques with an emphasis on coordinate geometry, trigonometry and quadratic systems. It is expected that students will have a sound knowledge of Algebra II.

<u>359</u>	<u>Pre-Calculus</u>	<u>Grades 11, 12</u>	<u>Credits 5</u>
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(Recommendation: A grade of "B" or better in Course 356)

<u>360</u>	<u>Pre-Calculus</u>	<u>Grades 11, 12</u>	<u>Honors Level</u>	<u>Credits 5</u>
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(Recommendation: A grade of "B" or better in Course 320 or "A" in Course 356)

This course is designed for the student who intends to take Calculus. Advanced topics in Algebra will be covered, with an emphasis on trigonometric functions and their inverses, as well as exponential and logarithmic functions. Some advanced topics in sequences, series and an introduction to limits will also be covered. The application of the functions in applied and theoretical problems will be explored through the use of graphing calculators.



# Science

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**405   Astronomy /Lab                      Grades 10-12                      Credits 5  
(Recommendation: Math 301 and Science 421)**

Astronomy is the study of the universe and is among the most rapidly developing of the physical sciences. This course will investigate terms such as “black hole”, “brown dwarf”, “quasar”, “pulsar”, “string theory”, and “quark stars”. These new concepts have revolutionized the current understanding of our universe. Goals of the course will be to stimulate scientific curiosity, to develop the ability to ask scientifically valid questions, to strengthen scientific communication skills, to interpret and use graphical information, and to acquire an understanding of the basic principles and concepts of astronomy.

**421   Biology                      Grade 9                      Level 1                      Credits 5/5  
(Recommendation: A grade of “B” or better in 8<sup>th</sup> grade science, and teacher recommendation.)**

**422   Biology                      Grade 9                      Level 2                      Credits 5/5  
(Recommendation: Basic study skills)**

This is a two semester biology course for incoming freshmen that prepares students for the biology MCAS test in June. This course is inquiry based instruction and emphasizes critical thinking, problems solving, and deductive reasoning. Biological topics are divided into units that include: Ecology, The Cell, Genetics, Evolution and the Human Body.

**424   AP Biology/Lab                      Grade 11-12                      Level AP                      Credits 5  
(Recommendation: A grade of “B” or better in 421, 422, or 441 or teacher recommendation.)**

**Students signing up for Course 424 must attend a meeting with the course 424 teacher at which time the course expectations will be described and the summer assignment will be outlined.**

This technical, intensive course is designed to be the equivalent to a college introductory biology course usually taken by biology majors. Topics to be covered include molecules and cells, heredity and evolution, organisms, and populations. Students are expected to successfully complete extensive laboratory investigations and to communicate their synthesis of this information in cogent manner. The AP exam is given in May and a testing fee is charged.

434    AP Biology Exam Prep                    Grade 11-12            Level AP            Credits 5  
(Recommendation: Course 424 with a grade of "C" or better)

A continuation of AP Biology (424), this course will concentrate on the preparation of students for success in the AP Biology exam. The AP exam is given in May and a testing fee is charged.

441    Chemistry/Lab                    Grade 10-12            Level 1            Credits 5  
(Recommendation: A grade of "B-" or better in Math Course 352 or teacher approval)  
442    Chemistry/Lab                    Grade 10-12            Level 2            Credits 5  
(Recommendation: Math Course 302 completed; and/or 353)

This is a college preparatory course with emphasis on basic principles of chemistry including concepts of energy, structure of matter, interactions of matter, states of matter, stoichiometry, and chemical equilibrium. It is a blend of mathematical principles applied to chemical concepts developed through experimentation. Laboratory investigation is an integral part of this course to develop key chemical concepts, teach basic laboratory techniques, and train students in data collection and analysis.

444    Chemistry II                    Grade 11-12            Honors            Credits 5  
(Recommendation: Science 441 – a grade of "C" or better; or teacher recommendation; Math 352 – a grade of B- or better; or teacher/department head recommendation)

This class is highly recommended for those students taking AP Bio, and/or pursuing a career choice in the health science, engineering, lab sciences (forensics, research, etc.), astronomy and environmental science.

A continuation of College Chemistry/Lab (441), this course will include chemistry topics such as acids and bases, oxidation-reduction, electrochemistry, kinetics and thermodynamics, applications of nuclear chemistry, classes of organic compounds, polymers, and the chemistry of life. Laboratory investigation is an integral part of this course to develop key chemical concepts, practice laboratory techniques, and train students in data collection and analysis.

451    Physics/Lab                    Grade 10-12            Level 1            Credits 5  
(Recommendation: Math 301 – a grade of B- or teacher recommendation)  
452    Physics/Lab                    Grade 10-12            Level 2            Credits 5  
(Recommendation: Math 302 – a grade of B- or better or teacher recommendation)

This course treats the study of physics as a continuing process whereby students seek to understand the nature of the physical world. Laboratory work is an integral part of the course, which includes the study of motion, force, mass, momentum, energy, light and waves, electricity and magnetism. This course is recommended for students interested in a career in engineering, the physical sciences and/or those students who are entering a four-year college degree program.

457    CPO Physical Science                    Grade 10                    Level 1                    Credits 5  
(Recommendation: Math 301 or teacher recommendation)

456    CPO Physical Science                    Grade 10                    Level 2                    Credits 5  
(Recommendation: Math 302 or teacher recommendation)

This CPO Foundations of Physical Science program is based on the premise that science is an exploration and discovery of ideas about the universe, and that ideas and knowledge connect and enhance our lives. This course is based on an inquiry-based learning approach. Students will complete experiments and hands-on activities before conceptualizing ideas in the student readings.

471    Anatomy and Physiology/Lab   Grade 11-12    Level 1                    Credits 5  
(Recommendation: A grade of "C+" or better in Course 421)

472    Anatomy and Physiology/Lab   Grade 11-12    Level 2                    Credits 5  
(Recommendation: A grade of "C+" or better in Course 422)

This course covers material related to the structure and function of the human body. Discussion and orientation toward career opportunities in the bio-medical field will include mastery of medical related knowledge and/or vocabulary, and laboratory work. Dissections are an integral part of the course.

477    Environmental Science/Lab   Grade 11-12    Level 1                    Credits 5  
(Recommendation: A grade of "B" or better in course 422 or a "C" or better in course 421)

478    Environmental Science/Lab   Grade 11-12    Level 2                    Credits 5  
(Recommendation: Course 421 or 422)

This course deals with the environmental issues that are challenging our community, society, and world. After a review of relationships that exist between living things and the environment, students will examine the causes, effects and potential solutions to the major environmental concerns of today. These issues include pollution of air, fresh water and oceans, acid rain, ozone depletion, and global warming. Students will also look at solutions to these problems and methods that can be used to achieve environmental sustainability on a global, local, and personal scale.

# Computer Technology/PC

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

## 482    Desktop Publishing

Grade 10-12

Credits 5

Students will learn to use Microsoft Word and Microsoft Publisher, a desktop publishing software. Projects include the creation of greeting cards, letterhead, calendars, signs, newsletters, brochures, restaurant menus, business cards, postcards, certificates, store catalogs, newspaper ads, and other lessons that involve the preparation of creative projects. In addition, students will create and design their own magazine as a final project. This class is an excellent class for college bound students as well as students who wish to immediately enter the workplace. This class gives students an opportunity to use originality and uniqueness in graphic design. Students will be made aware that there are many career opportunities for desktop publishers. Many colleges offer two-year Desktop Publishing programs.

## 488    Research and Report Prep

Grade 10-12

Credits 5

Students will learn how to use the computer and the Internet to improve report creation and research skills. A general introduction to word processing will be included as well as instruction on the creation of multi-media reports and projects. In addition, students will be taught how to effectively use the Internet to find information that directly relates to academic topics. Search engines and effective strategies to refine facts found will be emphasized. This class is an excellent class for college bound students as well as students who wish to immediately enter the workplace. It gives students an opportunity to enhance their use of the Internet for research of topics directly related to their academic classes. Students will discover that there are many career opportunities for those familiar and knowledgeable with the Internet.

491    Web Design & e-Commerce    Grade 11-12    Credits 5  
(Recommendation: A grade of "B" or better in Course 762, Course 496 or 497 or Department Chairperson approval.)

This offering will focus on Web Site Design and development as well as the basic skills and technologies needed to be incorporated into today's web sites. The first 6 weeks of the course is dedicated to E-Commerce; the process of buying and selling on-line. The students will explore approaches to on-line marketing, customer service, site hosting, secure server issues, order fulfillment and legal issues. The student will also analyze those businesses that have made it online and those, which have failed. This course will hopefully help students make informed business decisions regarding E-Commerce. The second part of this course is Web Design using FrontPage software. The students will create professional-looking websites. Students taking this course will have the opportunity to participate in DECA (An Association of Marketing Students). Potential careers include: Web development, graphic art, business and marketing management, e-Business, and enterprises.

494    Visual Basic Programming    Grade 10-12    Credits 5  
(Recommendation: Successful completion of any of the following math courses 300, 301 or 302 or Department Chairperson approval)

Basic Programming is designed to teach the computer language Visual Basic in the context of personal and practical real life situations using a PC. The approach is suited to students **with no previous computer experience**. The course is primarily project driven and includes topics such menu development, data types and variables, loops, graphics, and drawing. By the end of the course, students will be able to create professional looking and well-developed windows programs. Note: The emphasis on this course will be to explore practical applications, not just game development. This course is recommended for those students thinking of a career in Computer Programming, Information Systems, Windows Development and Help Desk-Technical Support.

495    C++ Programming    Grade 11-12    Credits 5  
(Recommendation: A grade of "B+" or better in Course 352 or successful completion of Course 321 or Department Chairperson approval.)

This course is designed for the motivated student who is planning on a career in computer science or engineering. C++ is an object-oriented programming language and will cover basic programming such as writing code, editing, and compiling programs. Students will also learn about data types, program control statements, strings, file integration, functions and classes.

This course is recommended for students thinking of a career in computer science, engineering, graphic arts, web design, and software design.

**496    Computer Applications                      Grade 10-12    Credits 5**

Students will learn to use word processing, spreadsheet, and presentation applications as well as become proficient with Windows XP using Gateway personal computers. The software used is Windows XP, Microsoft Word, Excel, and Power Point. As computers are used extensively in the workplace and colleges want students to be computer literate, this course will help both the college and non-college bound student in achieving computer application skills, which they may use presently, or in later life. This is an excellent skill for all Business Careers: retail, marketing, administration, finance, and management. College students are expected to understand and use Microsoft Office to complete college assignments.

**497    Computer Applications II                      Grade 11-12    Credits 5  
(Recommendation: A grade of "B" or better in Course 496 or Department Chairperson approval)**

This course will focus on the advanced features of Microsoft Office and the integration of these applications. Students will use this powerful business tool to complete comprehensive projects using Word, Excel, Access, and PowerPoint. The Internet will be used for research for student PowerPoint projects. Web Page Design will be introduced as well as Desktop Publishing for this course. This is an excellent course for college bound students as well as students entering the workplace. Microsoft Office is the most widely used computer application package today. Business careers using Microsoft Office include retail, marketing, administration, finance, and management. College students are expected to understand and use Microsoft office to complete college assignments.

# Foreign Language

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**502   French I                      Grade 9-12                      Credits 5**

This course introduces the students to all aspects of language learning. The basic skills of listening, speaking, reading, and writing are developed gradually. Students become acquainted with certain aspects of French speaking countries of the world and their cultures.

**511   French II                      Grade 10-12                      Credits 5**

French II expands the four basic skills developed in French I, through dialogues, short reading passages, and compositions. Grammar will be studied more fully to enable the students to better express themselves in the language. The language and customs of the French-speaking world will be studied.

**521   French III                      Grade 10-12                      Credits 5  
(Recommendation: A grade of "B" or better in Course 511 or Department Chairperson approval.)**

In the third year French course, the student continues to attain a measurable degree of communicative competency and proficiency in each of the four language skills acquired in French II: listening, speaking, reading, and writing. The student learns new concepts and reinforces previously learned ones by broadening his communication skills in more sophisticated situations. Through exposure to authentic texts and literary selections, the students' vocabulary base is expanded and their cultural awareness of the French language and people is made more acute. Students may participate in the foreign exchange program. Class is conducted in French.







# Fine Arts/Art

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**580   Basic Drawing                      Grade 10-12    Credits 5**

This course explores basic techniques such as pencil, pen and ink, marker, and charcoal. We are encouraging the student who wants a drawing experience, but not necessarily to major in art, to take this course.

**587   Drawing II                              Grade 10-12    Credits 5  
(Recommendation: Basic Drawing with a grade of B- or better)**

Building on concepts from Basic Drawing, students will further develop drawing and conceptual skills. Formal elements of line, value, shape, texture and space are explored. The course includes drawing from direct observation and invented images. Studies include illusions of space and shape via figure and form analysis. By exploring current issues and concerns students will personalize their imagery. This personalization of imagery will give individual meaning to the work while exploring and developing 2D skills of visual thinking and problem solving. Emphasis will be placed upon process and its relevance to the idea. This course advances the basic fundamental skills taught in Basic Drawing.

**582   Foundations in Art                      Grade 10-12    Credits 5**

Beginning with the elements and principles of art, this course explores the areas of concentration offered at the High School. This beginners' course uses mediums such as watercolors, acrylics, pen and ink, pencil, charcoal, clay and photography.

**584   Painting                                      Grade 10-12    Credits 5**

This course will explore color mixing, water color and developing painting skills in acrylics.

586     Ceramics                      Grade 10-12                      Credits 5

This course will explore the proper preparation of clay and develop skills in hand built projects, such as coil, slab, the potters wheel and sculpture. The use of glaze, texture and color will be important considerations to the end products.

588     Design                              Grade 10-12                      Credits 5

This course will familiarize the beginning art student with the elements and principles of design. Students will learn how to construct an artistic composition to show visual movement, mood, form, space, and spatial relationships of objects, proportionate harmony, and overall unity.

591     Senior Art Studio     Grade 12                      Honors Level     Credits 5  
(Recommendation: Two Art courses & teacher recommendation)

This course is designed to assist the **serious art student** to develop his/her art talent. The student determines what medium is to be worked in and sets goals that are obtainable in two terms. Portfolio development for college entrance is a major consideration. The highly motivated student interested in serious study of art should apply. Students may present themselves as candidates for Advanced Placement Studio Art--General Portfolio or Drawing Portfolio. This is optional and is determined with teacher guidance during the first term of course development. *"Due to the unique type of student assessment, there are no exemptions from the scheduled Mid-Term or Final Exams."*

592     Sculpture Concepts     Grade 10-12                      Credits 5

Design and approach are the problems that will confront the student in this course. 3-D projects will be produced from clay, paper, stone, plaster, and toothpicks.

598     Photography I                      Grade 11-12                      Credits 5

The first term of this course will cover traditional black and white chemical photography. The techniques of developing and printing photographs, and printing and exhibiting final prints will be taught. Projects will emphasize concepts of available light photography, portrait, experimental, and documentary photography. Emphasis will be placed on work which depicts strong narrative content and sound basic technical skills. In the second term, the students will be introduced to the medium of digital photography working with Adobe Photoshop software program, digital cameras, and flatbed scanner. Each student should have his/her own 35mm manual film camera and digital camera.

614     Photography II                      Grade 11-12                      Credits 5  
(Recommendation: Students should have successfully completed Photography I with a grade of 'C' or better.)

This course will take the student beyond the basic picture taking and darkroom techniques of chemical and digital photography learned in Photo I. It is designed for the advanced Photography student who desires to grow and expand upon their work. Attention will be given to developing a body of work that expresses not only sound technical skills, but a higher level of thinking. Students will further explore digital darkroom and shooting techniques using the Adobe Photoshop software program. Students must provide their own manually operated 35 mm film camera and digital camera.

# Performing Arts/Music

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

## Music

**601**    **\*Band-Symphonic/Marching**

**Grade 9-12**

**Credits 10**

Symphonic/Marching Band is a full-year course, and is open to all students who can demonstrate acceptable playing ability on wind and percussion instruments. The ensembles study a variety of literature and perform literature (III, IV & V). The course is designed to challenge the advanced musician and to expose him/her to literature above the average musician's ability.

This organization performs several concerts during the school year, participates in contests, performs at graduation, and performs for various community functions. (Performances are required.)

Students are required to attend and perform at after school rehearsals, football games, parades, competitions, school functions and many additional events outside the school day. This course meets the Fine Arts graduation requirement.

**\*Full year/Full block course unless half year approved by band director.**

**(Recommendation: Jr. High Band and/or Extensive Private Music Lessons)**

**600**    **Honors Band-Symphonic/Marching**

**Grade 12**

**Honors Level**

**Credits 10**

In order to receive honors credit, students are required to complete additional assignments as outlined in the Band Handbook.

## Vocal

602    Chorus

Grade 10-12

Credits 5

Depending on the voice ranges and abilities of the class members, song selections may include: Four-part harmony, a cappella, choral songs, solo selections and choreographed numbers.

## Drama

620    Theatre Arts

Grade 10-12

Credits 5

An introduction to drama and theater, this course will give students the opportunity to learn to work in imaginative situations. Through improvisation, movement, text and vocal work, students will develop an understanding of theatrical form and function. Students will also strengthen their ability to critique, analyze and understand relationships between characters, settings, and plots.

# Applied Arts/Family & Consumer Science

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

## 642    Child Care I

Grade 10-12

Credits 5

In the Child Care I course, the developing child will be studied from conception to age six. Physical, emotional, mental, and social growth patterns will be discussed. In addition, students will learn about birth defects, the teenager's child, the abused child, family lifestyles, and self-esteem. *THIS IS AN EXCELLENT COURSE TO LEARN ABOUT PARENTING AND CAREERS THAT INVOLVE YOUNG CHILDREN.*

## 646    Child Care II

Grade 10-12

Credits 5

(Recommendation: A grade of "B-" or better in Course 642 or teacher approval)

After completing Child Care I (642), a student can gain experience in the operation of a pre-school for three (3) days a week for most of the semester. The four-year-old child is studied in depth and is observed as he/she interacts within the pre-school atmosphere. A "hands on" approach is used in the preschool so that high school students can interact with the four-year-old child during lessons. The high school student will also be responsible for the development of lessons in the preschool. *THIS COURSE WILL OFFER EXPERIENCE FOR ENTRY-LEVEL JOBS IN DAYCARE OR FOR PREPARING THE STUDENT FOR CAREERS IN EARLY CHILDHOOD EDUCATION.*

This course will allow the student the opportunity to explore the world of education outside of the campus atmosphere. We are presently offering experiences in the elementary grades. Other opportunities are available with permission of instructor, department chairperson, and principal.

1. The student must have written permission from the parent or guardian.
2. The position must be approved by the Applied Arts Chairperson and the Child Care teacher. The work must be directly related to the classroom activity, and/or course, to receive credit.
3. **Within the first (1st) week of school, the student must present a Work Study Form to the proprietor and have it completed by the site advisor/monitor and proprietor.**
4. The on-site proprietor and monitor must agree to assume the responsibility for the student and allow periodic visits by school personnel.
5. When the Applied Arts Chairperson accepts the site, an off-campus form will be completed and returned to the chairperson prior to release.
6. The Applied Arts Chairperson will send a list of student participants to the attendance office and monitor their academic progress.
7. The student will be released to attend the classroom/elementary school when:
  - a. appropriate child care forms are completed
  - b. teacher is contacted
  - c. grading procedure is determined
  - d. dates for evaluation visits are established, with verification from the Applied Arts Chairperson
8. **The student must provide his/her own transportation and have a valid parking permit!**
9. Failure or dropping out of placement prior to the completed program will result in an "F" for the year.

# Applied Arts/Technology Education

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

**684    Engineering & Design Tech I**

**Grade 10-12**

**Credits 5**

This is an accelerated course, which provides the student with an integrated introduction to technical drawing. The principles, the processes and the conventional practices used to communicate industrial design ideas are stressed using basic tools to solve problems. Emphasis will include problem solving skills required to draw three-dimensional objects in two dimensions and an introduction to CAD (Computer Aided Drafting) using the industry standard AUTOCAD LT2000. The students will begin their drafting experience on the board and progress to the computer. *THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN ANY AREA OF ENGINEERING, SUCH AS: AEROSPACE, ARCHITECTURAL, CIVIL, ELECTRICAL, INDUSTRIAL, MECHANICAL, AND MATERIALS.*

**688    Engineering & Design Tech II**

**Grade 10-12**

**Credits 5**

**(Recommendation: Course 684 or teacher approval.)**

This is an accelerated course, which allows the student to continue building on experiences attained while taking Engineering and Design Tech I. Math and science concepts are emphasized as the student uses the computer and their creativity to design and solve problems using the latest CAD software. Topics will include a review of commands used in operating AUTOCAD LT2000, single and multi-view drawings, applied geometric construction, auxiliary views, revolutions and sectional views. A more extensive study of commands as they relate to the software will comprise the remaining areas of study. *THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN ANY AREA OF ENGINEERING, SUCH AS: AEROSPACE, ARCHITECTURAL, CIVIL, ELECTRICAL, INDUSTRIAL, MECHANICAL, AND MATERIALS.*

689    Engineering and Design Tech III    Grade 11-12  
(Recommendation: Course 688 or teacher approval.)

Credits 5

This course will provide the student with the knowledge of basic structure and design elements of residential dwellings. The subject matter will include: general planning and design data, foundations and site work, excavation, footings and foundation walls, wood joists and rafter sizes, wood trusses, and roof construction. Using the computer, the student will develop a complete set of plans for a residential dwelling as well as a vacation retreat. This course will enhance your portfolio if you are considering a career in engineering. THE STUDENT TAKING THIS COURSE MAY APPLY THIS AS A COMPUTER REQUIREMENT. *THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF CAREER IN ANY AREA OF ENGINEERING SUCH AS: AEROSPACE, ARCHITECTURAL, CIVIL, ELECTRICAL, INDUSTRIAL, MECHANICAL, AND MATERIALS.*

# Applied Arts/Business & Marketing Technology

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

701    Accounting I                      Grade 10-12                      Level 1                      Credits 5  
702    Accounting I                      Grade 10-12                      Level 2                      Credits 5

This course covers the accounting cycle with emphasis on theory, application and vocabulary. Topics will include principles of beginning accounting, financial statements, journals, ledgers, and adjustments. The students will make use of a personal computer while doing file maintenance, accounts payable/receivable and payrolls. THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN ANY OF THE FOLLOWING AREAS: APPRAISING, BUDGETING, BANKING, LOAN DEVELOPMENT, FINANCIAL ANALYSIS, MANAGEMENT, ACTUARIAL WORK, OR INSURANCE. IT IS ALSO GOOD BACKGROUND FOR STUDENTS INTERESTED IN BEING TAX COLLECTORS, REVENUE AGENTS, FBI SPECIAL AGENTS, SECURITIES SALES REPRESENTATIVES, AND PURCHASING AGENTS.

711    Accounting II                      Grade 10-12                      Credits 5  
 (Recommendation: A grade of "B-" or better in Course 701 or Course 702 or Department Chairperson approval.)

Accounting II is offered to students who have completed the first year course and who are interested in gaining a more in depth study of accounting. Departmental accounting, payroll records, partnership and corporate accounting are a major part of this course. Projects involving the personal computer will enhance the student's ability to solve problems. THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN ANY OF THE FOLLOWING AREAS: APPRAISING, BUDGETING, BANKING, LOAN DEVELOPMENT, FINANCIAL ANALYSIS, MANAGEMENT, ACTUARIAL WORK, OR INSURANCE. IT IS ALSO GOOD BACKGROUND FOR STUDENTS INTERESTED IN BEING TAX COLLECTORS, REVENUE AGENTS, FBI SPECIAL AGENTS, SECURITIES SALES REPRESENTATIVES, AND PURCHASING AGENTS.

**751 Business Management & Marketing**      **Grades 11, 12**      **Credits 5**

Business Management and Marketing is a highly intensive course concentrating on the analysis, planning and control of marketing problems. Topics will include analyzing business opportunities, planning a market program, international marketing and marketing in the contemporary environment. Students in this course have the opportunity to participate in DECA, an association of marketing students. THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN BUSINESS MANAGEMENT, MARKETING, OR MANAGEMENT ANALYSIS, AS WELL AS BEING A MANAGEMENT CONSULTANT, OR OWNING YOUR OWN BUSINESS.

**762 Marketing I**      **Grades 11, 12**      **Credits 5**

Marketing I is a beginning course for retail and marketing students. Topics stressed are retail-marketing concepts for employees, managers, and entrepreneurs. It is designed as an entry-level course for students who plan to enter the business world. Students taking this course have the opportunity to participate in DECA, an association of marketing students. THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN BUSINESS MARKETING, RETAIL MARKETING, FINANCIAL MANAGEMENT, FINANCIAL PLANNING, INSURANCE, ACTUARIAL WORK, AND MARKETING RESEARCH ANALYSIS.

**772 Marketing II**      **Grade 12**      **Credits 5**  
(Recommendation: A grade of "C" or better in Course 762 or Department Chairperson approval.)

Marketing II is an advanced course for retailing and marketing students who will focus on the problems and procedures in management. Students involved in this course will operate the school store as well as plan productions such as semi-formals and the annual DECA Fashion Show. DECA participation is highly recommended. THIS COURSE IS RECOMMENDED FOR STUDENTS THINKING OF A CAREER IN BUSINESS MARKETING, RETAIL MARKETING, FINANCIAL MANAGEMENT, FINANCIAL PLANNING, INSURANCE, ACTUARIAL WORK, AND MARKETING RESEARCH ANALYSIS, TRAVEL & TOURISM, AND SPORTS & ENTERTAINMENT.

# Media

**902 Media**      **Grade 10-12**      **Credits 5**

This course teaches the student to communicate with the public through written and public speaking assignments as well as through television production and technology. A television vignette will be required of all students participating in the program. This course does not count as an English credit. However, it may be used to fulfill the Visual & Performing Arts graduation requirement.

# Health and Physical Education

Expectations for Student Learning	School-Wide Academic Rubric
<b>Academic:</b>	
Communicates effectively:	Listens Actively: 1.1a, 1.1b, 1.1c; Reading: 1.2a, 1.2b, 1.2c; Speaking: 1.3a, 1.3b; Writing: 1.4a, 1.4b, 1.4c; Technology: 1.5a, 1.5b, 1.5c
Solve complex problems:	2.1a, 2.2a, 2.2b
Works with others towards a common goal:	3.1a, 3.1b, 3.1c
<b>Civic:</b>	
Contributes to the community and the global society:	4.1
<b>Social:</b>	
Respect the rights of others:	5.1
Exercise life skills that promote personal growth:	6.1

Over two years (Grades 9 and 10) the Wellness courses will provide students with sequential content and skills in the major areas of physical fitness, health, nutrition, and sports & leisure activities. It is designed to meet the expanded standards of the Massachusetts Curriculum Framework in health and physical education. It is designed for all students regardless of intellectual or physical ability.

The objective of the Wellness curriculum is to promote health literacy and healthy self-management skills in the area of physical health, social and emotional health, safety and prevention, and personal and community health.

## 812 Wellness/Grade 9

### Grade 9

### Credits 5

The 9<sup>th</sup> grade course focuses on personal health issues and lifestyle choices. Basic classroom units covered are health choices & behavior, emotional & social health, nutrition, physical health, drug use & abuse, and the life cycle. Physical Education aspect of course will focus on personal fitness and fitness related activities.

## 822 Wellness/Grade 10

### Grade 10

### Credits 5

(Recommendation: Course 812)

The 10<sup>th</sup> grade course focuses on current health issues and community and global health systems and problems. Basic classroom units involve the study of emotional and social health, drug abuse, disease prevention, the life cycle, first aid, safety, and global issues. Physical Education focus is on team, individual, and recreational activities to encourage fitness and physical well being.

# Internship Program

- Tewksbury Memorial High School recognizes the value of career-related internships and encourages participation in this program.
- Off-site and on-site internships will be available to juniors and seniors in good standing.
- A proposal for an internship should be forwarded to the Internship Director for processing. Student must have a mentor who is responsible for attendance and evaluations at the internship site.
- The Internship Director will review the proposal with the student and present it to the appropriate administrator for final approval.
- Proposals will be considered on a case-by-case basis.
- Five credits will be awarded to students who satisfactorily complete the internship.
- Students must have good attendance/grades.

## 9000 Internship

## Grades 11-12

## Pass/Fail

The Internship Program allows students the option to work with or shadow a person or persons to explore career opportunities. Internships are unpaid work experiences. Students may elect a maximum of 15 credits towards internships, which, will be counted as an elective(s). Internships may be taken during the last semester of the junior year or during the senior year. Unless unusual circumstances prevail, one internship is allowed per semester. The student must complete appropriate paperwork and have a mentor in place **before** the beginning of the semester in which that internship will begin. Students interested in full year internships are encouraged to choose two different places to complete their career explorations. **(Internships with family members not allowed.)** Students will be required to complete weekly time cards and journals. They are also expected to complete assignments related to their internship. **The Pass/Fail designation does not affect the grade point average.**

## 9010 Internship

## Grades 11-12

## Level 1

The Internship Program allows students the option to work with or shadow a person or persons to explore career opportunities. Internships are unpaid work experiences. Students may elect a maximum of 15 credits towards internships, which, will be counted as an elective(s). Internships may be taken during the last semester of the junior year or during the senior year. Unless unusual circumstances prevail, one internship is allowed per semester. The student must complete appropriate paperwork and have a mentor in place **before** the beginning of the semester in which that internship will begin. Students interested in full year internships are encouraged to choose two different places to complete their career explorations. **(Internships with family members not allowed.)** Students will be required to complete weekly time cards and journals. They are also expected to complete assignments related to their internship. **The Level 1 designation does have an effect the grade point average.**