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# Program of Studies

## 2011-12

### Milford Public Schools



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**Statement of Compliance:** In compliance with Title VI, Title IX and Section 504 of the Rehabilitation Act of 1973, the Milford Public School system does not discriminate on the basis of race, creed, color, national origin, age, sex, marital status, sexual orientation, or disability in establishing and implementing hiring and employment practices and establishing and providing school activities and educational programs. The Title VI and Title IX Coordinator and Compliance Officer is Clifford Bugyi. The Section 504 Compliance Officer is Susan Kelleher. They may be contacted by mail at the Milford Public Schools, 70 West River Street, Milford, CT 06460 or by phone at (203) 783-3400. Questions, concerns or comments regarding possible discrimination under the Americans with Disabilities Act (ADA) should be made in person or in writing to the following:

Regarding Facilities: Philip G. Russell/Deputy Superintendent of Operations / Regarding Employment: Wendy Kopazna/Director of Human Resources / Regarding Programs: Susan Kelleher/Director of Pupil Personnel Services



## Timeline for Course Selection and Scheduling for 2011-12

<b>February/March</b>	<p>Teachers will complete necessary recommendations for students in Grades 8-11.</p> <p>Students will receive the new Program of Studies.</p> <p>Students will participate in Orientation Sessions on the scheduling process.</p> <p>Students will register for courses online through the PowerSchool scheduling program.</p> <p>After-school sessions will be held for students and parents who do not have internet access.</p> <p>Guidance counselors will review students' course selections and work with the students and parents to make necessary adjustments.</p>
<b>March/April</b>	<p>Courses with insufficient enrollment eliminated from the schedule. Guidance counselors will work with students to make new course selections.</p>
<b>May/June</b>	<p>The master student schedule will be completed.</p> <p>Teachers will review their course recommendations for their students signing up for courses with grade prerequisites.</p> <p>Guidance counselors will resolve schedule conflicts with students.</p> <p>Tentative student course schedule is mailed; students with remaining conflicts will contact their schools.</p>
<b>August</b>	<p>Final schedules are distributed on the first day of school.</p>

### Student's Responsibility in Scheduling

- All students must carry from 5.5 to 7.0 credits each year.
- Students are responsibility for fulfilling graduation requirements lies with the student.
- Students should be sure they meet the prerequisites for courses they choose.
- Students are expected to enroll in courses and levels for which they have teacher recommendations.

If a student wishes to enroll in a course or level other than that recommended by a teacher, a parent/guardian should contact the Guidance Department to explain the process and, if necessary, to arrange a conference with the counselor and/or teacher. When permitted, to override a teacher's recommendation, the parent/guardian must complete and submit a waiver form, available in the Guidance Department.

### Planning for the Future

It is critical to have a plan in place for the future beyond high school. Planning for the future now will definitely help you in choosing the appropriate courses throughout your high school years.

Post-Secondary Plans:

\_\_\_ 4-Year College

\_\_\_ 2-Year College

\_\_\_ Technical School

\_\_\_ Business School

\_\_\_ Military School

\_\_\_ Full Time Employment

Possible Careers:

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## WHAT'S NEW FOR 2011-12?

### NEW COURSE

We are pleased to introduce one new course this year.

#### Advanced Mathematics Decision Making

The Advanced Mathematics Decision Making (AMDM) course is designed for high school seniors as a 12th-grade alternative to Pre-Calculus or as an elective to accompany or follow Pre-Calculus. AMDM builds on, reinforces, and extends what students have learned and covers a range of mathematics topics. AMDM emphasizes statistics and finance and includes advanced work on numerical reasoning (using specialized indices, formulas, and ratios), as well as algebraic and geometric modeling and topics from discrete mathematics. The course offers student activities in a range of applied contexts and helps students develop college and career readiness skills.

### POWERSCHOOL

All course requests will be entered through PowerSchool this year. During the registration period, students will be asked to log into their PowerSchool account where they will be able to view course descriptions and request courses for the 2011 – 2012 academic year.

Specific directions for making course requests with PowerSchool will be distributed to all students through their schools' guidance departments.

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## GENERAL INFORMATION

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### Timeline

In February, the distribution of this *Program of Studies Handbook* to all students, grades 8-11, marks the beginning of the course selection process.

Eighth-graders will have an orientation with the high school guidance departments. Middle school teachers also offer advice and make recommendations to students for their course selections.

For students in grades 9-11, classroom teachers will profile upcoming courses for their respective departments and the prerequisites that may be in place for those courses.

The Guidance Department will conduct general reviews with students concerning post secondary options and promotion and graduation requirements.

Students will then review the course selections with their parents. Students will then go online and, using the PowerSchool software program, will review the courses available to them, along with their complete descriptions. At that point, with their parent's/guardian's assistance, students will select the courses they would like to take in the upcoming school year. While the PowerSchool program enables students to preview a variety of courses, it only allows students to select courses for which they have fulfilled any prerequisites that are in place. Waivers of prerequisites can only be obtained through the Guidance Department (see *Waivers* in the most current *Parent-Student Handbook*). Once students have entered their selections into PowerSchool, the Guidance Department will continue the scheduling process by reviewing students' choices and work with students and parents to make any necessary adjustments.

*Please note that as the master schedule is developed, some courses may not run due to insufficient enrollment. Additionally, Students may not be able to take some courses due to scheduling conflicts.*

### The Role of the Guidance Dept.

The Guidance Department provides academic, career, and personal help to students throughout the year.

During the course selection process, in particular, the Guidance Department conducts:

- ◆ orientation sessions for all students (Gr. 8-11) to explain the high school Program of Studies;
- ◆ individual conferences with students to develop an appropriate program of study;
- ◆ an adjustment of student schedules if conflicts occur;
- ◆ ongoing counseling during the school year related to academic concerns; and
- ◆ a review of criteria for entrance to certain courses if courses are over-enrolled.

### Course Adjustments

After courses have been selected, any necessary changes should be made as soon as possible, preferably by the end of the school year. If changes become necessary over the summer, new requests should be made as soon as possible.

Changes after the start of school are rare and are made only for **academic** reasons with the approval of the principal or his/her designee.

### New Student Registration

Students new to the school should register during the summer and select a program. Parents should bring their proof of residency and their child's transcripts and medical records in order to complete the registration process.

In certain situations, new students will be asked to complete diagnostic placement assessments prior to scheduling to help ensure proper placement.

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## **COURSE LEVELS AND REQUIREMENTS**

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### **Course Load/Credits Per Year**

Students must carry between 5.5 credits and 7.0 credits in the regular school year. In general, no students are permitted to exceed 7.0 credits.

### **Required Courses Vs. Electives**

In order to strategically prepare for graduation, students will be required to take courses in several designated subjects throughout their high school years. In their freshman year, nearly all of the courses students take will be *required* courses. As students move on to subsequent years, however, they will have fewer required courses and be able to take more courses of their choosing; these are called *electives*. Guidance counselors will explain this to students in more detail as they prepare their course selection for the upcoming year and for the years beyond.

### **Levels**

Each offered course has a level indicator. The level of a course indicates the degree of difficulty of the class. There are four levels of difficulty in our school system: *Advanced Placement (AP), Level 1, Level 2, and Level 3*. While all of our levels offer a rigorous curriculum, the level designations align with pacing and pre-requisite skills.

Placement of students into 9th grade classes will be determined by student grades and state and district assessments in conjunction with teacher recommendations.

### **Advanced Placement**

Advanced Placement courses continue to be offered in English, social studies, mathematics, science, and world languages. Advanced Placement is a nationally recognized program designed to challenge highly motivated students with a rigorous curriculum culminating with an Advanced Placement exam.

By taking AP examinations administered nationally each spring, students can receive college credit and be placed in appropriate courses in college. Students enrolled in AP courses are required to take the AP exam and have it scored. If the school budget allows, the exam fee may be subsidized. In special cases, the principal may exempt a student from the AP exam.

Students enrolled in Advanced Placement courses for UCONN/ECE credit are required to pay a per credit fee. As the fee varies from year to year, specific cost information is available from the Guidance Office or the applicable AP Teacher.

### **Promotion Requirements**

In order for a student to be promoted from one class to another, he/she must meet specific promotion requirements.

To be placed in a **sophomore** homeroom, a student must:

- ◆ have a minimum of 5.5 credits, and
- ◆ pass English 1.

To be placed in a **junior** homeroom, a student must:

- ◆ have a minimum of 11.0 credits,
- ◆ have passed English 2,
- ◆ have passed 1 year of mathematics,
- ◆ have passed 1 year of social studies, and
- ◆ have passed 1 year of science.

To be placed in a **senior** homeroom, a student must:

- ◆ have a minimum of 16.5 credits, and
- ◆ have fulfilled enough of the graduation requirements to allow the student to graduate in June.

### **Graduation Requirements**

In order to graduate from a Milford high school, a student must fulfill the following requirements:

- ◆ acquire 22.4 credits
- ◆ acquire 4.0 credits of English (including 1.0 in a writing course).
- ◆ acquire 3.0 credits of Mathematics (including one year of Algebra)
- ◆ acquire 3.0 credits of Social Studies (including 1.0 in Survey of America, .5 in Civics, and .5 in Global community)
- ◆ acquire 3.0 credits of Science
- ◆ acquire 1.0 credit of Physical Education
- ◆ acquire 0.5 credit of Health
- ◆ acquire 1.5 credits in vocational/arts electives (Business, Family and Consumer Science, Music, Technology, or Visual Arts)
- ◆ demonstrate competency in writing (.1 credit)
- ◆ demonstrate competency in math (.1 credit)
- ◆ demonstrate competency in literacy (.1 credit)
- ◆ demonstrate competency in technology through the successful completion of a technology-based project (.1 credit)

### **The Performance Standard Graduation Requirements**

To continue to elevate academic standards and increase student achievement, the Milford Board of Education has adopted a requirement that all students satisfactorily demonstrate a performance standard in writing, mathematics, literacy, and technology as a requirement for graduation. During Grades 11 and 12, students will have several opportunities to complete the tasks for graduation credit.

#### **The Writing Performance Standard**

To meet the writing standard, students will need to respond critically in essay form to a question, or prompt, based on the reading of one or more literary, informational or persuasive texts, or based on their readings, studies, experiences and/or observations. The response will show knowledge of the conventions of standard written English.

### The Math Performance Standard

To meet the mathematics standard, students shall, prior to completion of their senior year, satisfactorily complete multi-step mathematical problems which require demonstration of basic math operations including, but not limited to, fractions, decimals, and percents. Students will be provided with any required formulas and may use calculators in completing the task. Students will be asked to demonstrate their understanding in writing.

### The Literacy Performance Standard

To meet the literacy standard, students will demonstrate a comprehensive understanding of text equivalent to that required in adult work situations.

When reading a text, students will be able to extend the idea of the text by

- 1) making inferences;
- 2) drawing conclusions; and
- 3) making connections to text, self and world.

### The Technology Graduation Requirement

To meet the technology standard, students shall, prior to completion of their senior year, demonstrate that they can solve an authentic, complex problem using technology.

Students will select the appropriate technology, (such as computers, advanced calculators, or computer-assisted machinery) and use the technology independently to solve the problem. Some examples of appropriate projects are manufacturing a part, creating a small business simulation, designing solutions to problems in drafting or art, fulfilling a communication/information task.

The courses listed in the next section include projects that meet the technology graduation requirement. To receive the technology credit, the student must pass the course and successfully complete the technology project.

### Courses Fulfilling Technology Requirement

The following courses currently offer Technology Projects.

- Business:** Advanced Keyboarding  
Accounting  
Microsoft Skills
- English:** Journalism 1  
Mass Media
- FCS:** Lab Assistant  
Child Development 2  
Contemporary Living Skills  
Cooking for Healthy Living
- Math:** PreCalculus (Levels 1, 2)
- Music:** Music Technology 1
- Spec. Ed:** Functional Math 4  
Special Ed Math 4B
- Tech Ed:** Graphic Communication 2  
Video Production  
Robotics 1, 2  
Drafting 1B, 2  
Construction Technology
- Visual Arts:** Cartooning  
Graphic Art and Design
- Interdis:** Online Communication  
Television Production

These courses are designated by a *TGR* within the department pages. Periodically, other courses are added to this list. The Guidance Department has current information. Additionally, certain courses offered at the Bridgeport Regional Aquaculture Science and Technology Education Center and at ECA in New Haven also fulfill the technology requirement.

### Alternate Ways to Fulfill Performance Requirements

Information on additional ways to show competency in writing, mathematics, and literacy can be found in the most current version of the *Parent-Student Handbook*.

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## EXAMINATIONS AND FINAL GRADES

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Semester examinations are given in most subjects. All students enrolled in a course must take the examinations. A student who takes an AP exam and has it scored is excused from a final exam in that course unless a final examination is required for College Credit (ie UCONN Early College Experience credit, CCP for Housatonic or Gateway). **Final grades are determined as follows:**

<b>Full Year Courses</b> .....	<b>100%</b>
First Marking Period.....	20%
Second Marking Period.....	20%
First Semester Exam.....	10%
Third Marking Period.....	20%
Fourth Marking Period.....	20%
Second Semester Exam.....	10%
<b>Semester Courses</b> .....	<b>100%</b>
First Marking Period.....	40%
Second Marking Period.....	40%
Semester Exam.....	20%

### Final Exam Exemption for Seniors

Graduating seniors with a second semester average of B+ or above and no cuts in a course are exempt from taking the final exam in June. Seniors in first semester semester-long courses are eligible to be exempt from the course's final exam if they are a CAPT scholar, in addition to having a first semester average of B+ and no cuts in the course. In this case, final grades are determined as follows:

<b>Full-Year Courses</b> .....	<b>100%</b>
First marking period.....	22.5%
Second marking period.....	22.5%
First Semester Exam.....	10.0%
Third marking period.....	22.5%
Fourth marking period.....	22.5%
Second Semester Exam.....	Exempt
<b>First/Second Semester Courses</b> .....	<b>100%</b>
First/Third marking period.....	50%
Second/Fourth marking period.....	50%
Semester Exam.....	Exempt

## Withdrawals

Withdrawals from a full-year course after the first marking period or from a semester course after the progress report date may result in a final grade of F.

Report cards and transcripts will be marked WF (Withdrawn-Failing) or WP (Withdrawn-Passing).

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## ADDITIONAL INFORMATION

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The *Parent-Student Handbook: High School Edition* contains the most up-to-date information on:

- ◆ Attendance
- ◆ Class Rank
- ◆ Contracting Up
- ◆ Course Waivers
- ◆ Grade Assignments
- ◆ Grade Point Average (GPA)
- ◆ GPA Calculations
- ◆ Graduation Honors
- ◆ Homebound
- ◆ Honor Roll
- ◆ Reports to Parents

**Please note:** The *Handbook* is accessible online with the new version uploaded at the beginning of every year. Parents may request a printed copy if they prefer. To access the latest edition, go to [www.milforded.org](http://www.milforded.org), then click on *District Information*, then go to *Publications*. The *elementary*, *middle* and *high school* versions are located there.

## Course Selection in Preparation for College

More than 80% of Milford's graduates go on to higher learning. As such, it is very important that students plan their course selection carefully -- even as freshmen -- to make sure they are taking the courses they will need in order to enter college. To help students choose their courses, we have included

*General Entrance Requirements for Post-Secondary Schools*, and the *NCAA Guidelines* in this section, as well as the *Recommended Sequence Charts* within many department sections. For a sense of perspective, students should use the *Tentative Four-Year Plan* found at the beginning of this booklet in order to begin thinking about future course selections in subsequent years.

Another factor to consider in the pursuit of post-secondary education is preparation for the SAT Reasoning Test (SAT I) and the SAT Subject Tests (SAT II). A strong Critical Reading and Writing score on the SAT is achieved through extensive reading, both in school and out. The math portion of the SAT requires knowledge of Algebra I, Algebra II, and Geometry.

## Entrance Requirements for Post-Secondary Schools

The chart, below, shows general entrance requirements for most 4-year post-secondary schools. Students should consult their guidance counselors for the specific requirements of a particular school.

Please note: The competitive nature of today's admissions process often requires students to take more advanced courses and/or additional years within a subject track.

### General Entrance Requirements Post-Secondary 4 Year Schools

<b>English</b>	4 years (Level 1 or 2)
<b>Math</b>	3 years, (minimum) 3-4 preferred, including Algebra and Geometry
<b>Science</b>	3 years, (minimum) 3-4 preferred, including laboratory courses
<b>Language</b>	2 years, (minimum) in one language, 3-4 years preferred
<b>Social Studies</b>	3 years, (minimum) 4 preferred, including U.S. History

## NCAA Certification

The NCAA Eligibility Center website is [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). You may access the Clearinghouse Home Page directly or through links from the NCAA's website at [www.ncaa.org](http://www.ncaa.org). From the NCAA Clearinghouse website, prospective student-athletes will be able to access information needed to understand the Division I and Division II eligibility requirements, register with the Clearinghouse, and access individual Clearinghouse records.

### For the Class of 2012:

The NCAA Division I requires 16 specific core courses; NCAA Division II requires 14.

### For the Classes of 2013 and Beyond:

Both Division I and Division II will require 16 specific core courses.

### Division I (16-Core Course Rule)

- 4 years of English
- 3 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 yr. of lab)
- 1 year of additional English, Mathematics, or Natural/Physical science
- 2 years of Social Science
- 4 years of additional courses (from any area above, Foreign Language or nondoctrinal religion/philosophy)

### Division II (14-Core Course Rule) \*

- 3 years of English
- 2 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 yr. of lab)
- 2 years of additional English, Mathematics, or Natural/Physical Science
- 2 years of Social Science
- 3 years of additional courses (from any area above, Foreign Language or nondoctrinal religion/philosophy)

## NCAA Clearinghouse

For a complete and updated list of Milford's Approved NCAA Courses, please visit [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). Click on *Prospective Student Athletes* and then select *List of Approved Courses* from the left hand bar. You will need to enter the following information to view the list.

### For students at Jonathan Law:

Code: 070423; School Name: Jonathan Law High School; State: CT

### For students at Joseph Foran:

Code: 070424; School Name: Joseph A. Foran High School; State: CT

You can then select ALL courses and continue on to look at the NCAA-approved courses.

### NCAA Toll-free phone numbers

Customer Service Line: (877) 262-1492  
Customer Service Hours: 8:00 a.m. - 6:00 p.m.,  
(Monday through Friday, Eastern Time)  
FAX: (317) 968-5100

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## SCHOOL-BASED PROGRAMS

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### CERTO Program

CERTO (Community Educational Resources Training Opportunity) is a secondary educational program designed to help students develop intellectual curiosity, interest and maturity through a personal exploration of in-school and community educational opportunities. Participation in CERTO is by invitation only. To be in CERTO, a student must carry at least 5.5 additional credits. Registration for CERTO takes place during the school year.

### Community Service

This program encourages students to develop social responsibility and enriches their academic studies with the significant learning that community service offers. Credit is given for pre-authorized community service work (.3 credit for 30 hours or .5 credit for 50 hours). Students must receive administrative approval prior to engaging in a community service project for credit.

### Independent Study

Independent Study is for students who are capable of initiating and carrying out learning projects on their own, with the advice and assistance of a teacher. Registration for Independent Study takes place during the first two weeks of the school year. Additional information and applications are available in the Guidance Office.

### College Career Pathways

This program combines academic and applied education. The College Career Pathways program operates on a '2 plus 2' basis. Students will take courses during their last two years of high school and complete their education at a two-year college. Our district is associated with Housatonic and Gateway Community Colleges.

### Work Study

The work-study program is designed to provide meaningful work experience for those students who may have difficulty pursuing a strictly academic program. A student must carry at least 5.5 credits in addition to work-study.

**Please Note:** Credit and grades earned in CERTO, Community Service, Independent Study, College Career Pathways, and Work Study do not factor into GPA or class rank calculations.

### The Academy (Alt.Ed.)

Located in a separate facility, this alternative education program is offered to students who have not been successful in the traditional high school setting. The primary goals are to ensure that these students receive a quality education, earn credits toward graduation, and learn practical job skills.

### Summer School

The primary purpose of summer school is to provide students with the opportunity to make up courses that were not successfully completed during the regular school year. Students may also take summer school courses for enrichment but do not receive any credits for these enrichment courses.

One credit courses are in session for 2.5 hours a day for 24 days. Half credit courses are in session for 2.5 hours a day for 12 days. Normally, courses will only be offered if there is adequate enrollment. Only high school senior English courses will be offered regardless of enrollment in these courses. A fee is charged for all summer school courses.

**Permission of the student's school principal must be obtained before a student may take an advanced course for credit or take a summer school course in another school district.** Grades for these courses will be noted on the student's transcript, but the grade will not be included in class ranking.

*The maximum number of credits a student may acquire through summer school during his or her high school career is 4.0.*

### Summer School Eligibility Requirements

A student can only make up a course during the same school year the course was taken. For a course that was failed during the school year, the student must have attained a final grade of 50-59 and have met the attendance requirements for the course. Summer course grading is recorded on a Pass or Fail basis. Appropriate credit only will be awarded upon successful completion of the summer school course. For a course in which credit was not earned due to a failure to meet the attendance requirement, a student must have attended at least 75% of the classes after the date of notification of Loss of Credit. Credit will be awarded and appropriate GPA points will be earned upon successful completion of the summer school course. For students who have a GPA of less than 2.00 for the 4th Marking Period: A student must have received a grade of F, D-, D or D+ during the 4th Marking Period. Upon successful completion of the summer school course, only the grade points for the 4th marking period will be awarded.

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## **OUT OF DISTRICT SPECIAL PROGRAMS**

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### **Bridgeport Regional Vocational Aquaculture Science and Technology Center**

The Bridgeport Regional Vocational Aquaculture Science and Technology Center located at Captain's Cove Seaport in Bridgeport, offers unique educational opportunities in marine technology and marine science. There are two programs available: one combines classroom instruction with practical application of classroom learning aboard the school's instructional vessel, the 57-foot M/V Catherine Moore. The second program, a daily four-hour program with classroom instruction and extensive field work, is designed for seniors who are seriously considering one of the many diverse areas of marine-related science and/or technology as a career.

Enrollment is limited. The list of available subjects is available in the Guidance Office.

### **Educational Center for the Arts**

Students who are talented and gifted in the Performing and Visual Arts (Theater, Music, Dance, Visual Arts, and Creative Writing) may attend classes with other students from the Greater New Haven area at the Audubon Street Arts Center in New Haven. Students leave school early to attend this program.

Admission to ECA is competitive. After selection of candidates by the ECA staff, an equal number of places will be allotted to Law and Foran. Additional information is available from the Guidance Department.

### **University Courses**

Under special circumstances, arrangements can be made for highly motivated students to attend college or universities. With the prior approval of the principal, such courses may count toward graduation requirements and prerequisites in school but will not be considered in a student's GPA. Any costs are the responsibility of the student's family.

Some examples of university-level programs available include the Yale Co-op Program in foreign languages, the Yale-New Haven Saturday Seminar series, the Taste of College Program at Sacred Heart University, and the Outstanding High School Senior Program at the University of New Haven. Additional information is available in the Guidance Office.

### **Interdistrict Magnet Schools**

Attendance in a Magnet High School located in New Haven is available to Milford students in Grades 9-12. Selection of students is by lottery. Additional information is available in the Guidance Office.

#### *Hill Regional Career High School*

Hill Regional Career High School specializes in the fields of allied health professions, business or computers.

#### *Cooperative Arts and Humanities High School*

Cooperative Arts and Humanities High School uses an arts-focused curriculum within the context of a comprehensive college preparatory program.

#### *High School in the Community*

High School in the Community uses a non-traditional schedule, with extended class periods that provide opportunities for field trips, cooperative learning experiences, individual and group projects, as well as lectures and class discussions.

#### *The Hyde Leadership School*

The Hyde Leadership School emphasizes a family program, an approach to discipline based on personal responsibility.

#### *The Metropolitan Business High School*

The Metropolitan Business High School prepares students to successfully manage and own business enterprises in a 21st century global economy.

#### *New Haven Academy*

New Haven Academy provides a rigorous education that prepares every student for college in an active class environment.

### **Center for Global Studies**

The Center for Global Studies (CGS) magnet school provides students from Southern Fairfield County high schools an opportunity to study Japanese, Chinese, and Middle Eastern culture through language, literature and social studies at Brien McMahon High School in Norwalk. Additional information is available in the Guidance Office.

### **Regional Agriscience and Technology Program**

The Regional Vocational Agriscience and Technology Program located at Trumbull High School, allows students to study various aspects of Animal Science, Plant Science, Biotechnology, Natural Resources and Environment, Food Science, Agri-Mechanics and Agri-Business. Additional information is available in the Guidance Office. Acceptance will be determined by budgetary constraints.

# BUSINESS EDUCATION

*Students in Business and Technology Education will develop expertise in problem solving and communicate ideas through various mediums, as they use advanced technological tools to work to take an idea from conception to completion.*

The Business Education Department offers a wide variety of courses designed to meet the needs of students in an ever-changing technological world. The department is equipped with new networked computer equipment and utilizes the Internet in many of its courses. With the increased demand for computer literacy and good communication skills, students should elect as many business courses as their program will allow in order to prepare for the challenges of higher education and/or the global workplace.

Students are urged to take courses in Keyboarding, Advanced Keyboarding, Microsoft Skills, and Personal Finance. Courses in Accounting, Marketing, and Business Law are highly recommended to students considering business-related college programs and careers. Students interested in a career in business should also consider offerings in the Technology Education section. Accounting is included in the College Career Pathways program.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
	9	10	11	12			
Keyboarding	9	10	11	12	Semester/0.5	3	
Advanced Keyboarding	9	10	11	12	Semester/0.5	3	TGR
Keyboarding (No Grade Pts.)		10	11	12	Semester/0.5	-	
Introduction to Business	9	10	11	12	Semester/0.5	2	
Personal Finance		10	11	12	Semester/0.5	2	
Accounting		10	11	12	Full Year/1.0	2	TGR
Microsoft Skills	9	10	11	12	Semester/0.5	2	TGR
Marketing & Management		10	11	12	Full Year/1.0	2	
Business Law		10	11	12	Semester/0.5	2	
Entrepreneurship				12	Semester/0.5	2	
Sports and Entertainment Mktg.			11	12	Semester/0.5	2	
Retail Marketing: School Store			11	12	Full Year/1.0	2	

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

# ENGLISH

*Students in English Language Arts will acquire the skills in order to appreciate and analyze the English language as a creative, informative and persuasive tool for effective communication.*

The English Department seeks to develop reading, writing, listening, and speaking skills through a variety of required and elective courses. Freshmen at all levels take English 1, which focuses on all forms of literature—short stories, poetry, novels, drama and nonfiction. The required sophomore course concentrates on American literature. In the junior and senior years, students may choose from a wide range of electives. All English classes reinforce critical reading and the writing process, vocabulary development and effective oral communication. Students must pass 4.0 credits in English in order to graduate. It is highly recommended that students take 1.0 credit of English each year.

COURSE TITLE	GRADE OFFERED			CREDIT(S)	LEVEL(S)	NOTES
English 1	9			Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
English 2		10		Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
AP/English Language			11	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
Language and Literature			11 12	Full Year/1.0	2	
English 3			11 12	Full Year/1.0	3	
AP English Literature & Composition			12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
Introduction to Philosophy			11 12	Full Year/1.0	1	
Contemporary Fiction			11 12	Semester/.5	2	
Creative Writing			E 12	Semester/.5	2	
The Dramatic Experience			11 12	Semester/.5	2	
Expository Writing			11 12	Semester/.5	2	
Fairy Tales & Folk Literature			11 12	Semester/.5	2	
Film as Literature			E 12	Semester/.5	2	
Short Story			11 12	Semester/.5	2	
What Happened In/To the '60s			11 12	Full Year/1.0	2	
Television Production			E 12	Full Year/1.0	2	<i>.5 English and .5 Tech Ed Elective / TGR</i>
Journalism 1		10	11 12	Full Year/1.0	2	<i>Jrs must carry an additional 1.0 credit in English / TGR</i>
Journalism 2			11 12	Full Year/1.0	2	
Journalism 3			12	Full Year/1.0	2	
Craft of Writing			11 12	Semester/.5	3	
Contemporary Young Adult Lit.			11 12	Semester/.5	3	
Mystery			E 12	Semester/.5	3	

<b>Personal and Social Identity</b>			E	12	Semester/.5	3	
<b>Mass Media</b>			E	12	Semester/.5	3	<i>TGR</i>
<b>Reading Lab</b>	9	10	11	12	Semester/ .1-.5	3	
<b>Reading Lab Grade 9 RFS</b>	9				Full Year/1.0	3	<i>Teacher Recommendation Required</i>
<b>Reading Lab Grade 10 RFS</b>		10			Full Year/1.0	3	<i>Teacher Recommendation Required</i>
<b>Critical Reading/College Prep.</b>	9	10	11	12	Semester/ .1-.5	3	
<b>Reading Support Center</b>	9	10	11	12	Semester/ .1-.5	-	<i>Teacher Recommendation Required</i>
<b>Independent Study</b>			11	12	Semester or Full Year	-	<i>Teacher Recommendation Required</i>

E: Juniors may enroll in this course as an added English elective if they have met their 1.0 Junior year English Requirement.

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

## Recommended Sequence for English Courses

The English Department recommends that you consult the charts below to determine the most appropriate course for you to select. Remember that all prerequisites listed in the course descriptions including minimum grade requirements and teacher recommendations must be met.

	LEVEL 1	LEVEL 2	LEVEL 3
<b>GRADE 9 :</b> ALL students must enroll in English 1.	English 1	English 1	English 1
<b>GRADE 10</b> ALL students must enroll in English 2.	English 2	English 2	English 2
<b>GRADE 11</b> All students must register for and successfully complete a full year writing/literature course – OR – a semester writing elective and a semester literature elective. <i>In addition to the Grade 11 Requirements, Juniors may take any Grade 12 Elective.</i>	AP English Language	Language and Literature  OR Expository Writing AND at least one of the following: Contemporary Fiction The Dramatic Experience Short Story What Happened In/To the ‘60s?	English 3  OR Craft of Writing AND at least one of the following: Contemporary Young Adult Literature Mystery (2012-13) The Dramatic Experience* Fairy Tales and Folk Literature* What Happened In/To the ‘60s?*
<b>GRADE 12</b> Students who took AP Literature their Junior year should register for AP Language their Senior year.	AP English Literature Intro to Philosophy	Contemporary Fiction Creative Writing The Dramatic Experience Expository Writing Fairy Tales and Folk Lit. Film as Literature	Journalism 1, 2, or 3 Language and Literature Short Story TV Production What Happened In/To the ‘60s?
		Contemporary YA Lit Craft of Writing English 3 Mystery Personal and Social Id The Dramatic Experience*	Fairy Tales and Folk Lit* Journalism 1, 2, or 3* Mass Media TV Production* What Happened In/To the ‘60s?

\*course designated as Level 2 but open to students who have traditionally taken Level 3 English courses.

# FAMILY AND CONSUMER SCIENCE

*Students in Family and Consumer Science will evaluate factors that influence human growth and development in order to create strategies that promote individual and family health and well-being as they explore related career opportunities.*

The Family and Consumer Science Department offers courses in human development, foods, nutrition and independent living. These courses provide important content and real world application of skills essential to many career paths. Students pursuing careers in the fields of health, education or social services should consider these courses. Family and Consumer Science courses prepare students for the challenges of higher education and/or the workplace.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
	9	10	11	12			
<b>Exploring Food and Nutrition</b>	9	10	11	12	Semester/.5	2	
<b>Cooking for Healthy Living</b>	9	10	11	12	Semester/.5	2	<i>TGR</i>
<b>Vocational Foods</b>			11	12	Full Year/1.0	2	
<b>Child Development 1</b>	9	10	11	12	Semester/.5	2	
<b>Child Development 2</b>	9	10	11	12	Semester/.5	2	<i>TGR</i>
<b>Child Care Lab</b>		10	11	12	Semester/.5	2	
<b>Lab Assistant</b>			11	12	Semester/.5	2	<i>TGR</i>
<b>Contemporary Living Skills</b>			11	12	Full Year/1.0	2	<i>TGR</i>
<b>Independent Study</b>			11	12	Semester or Full Year	--	<i>Teacher Recommendation Required</i>

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

# HEALTH

*Students in Health are encouraged to make informed choices, to accept responsibility for their personal health habits and to realize the profound effect these lifestyle choices will have on the quality of their lives in the future.*

The Health Education program encourages students to accept responsibility for their personal health habits as they explore the profound effect these habits will have on the quality of their lives in the future. The goal of the program is to develop health literate students who have the capacity to obtain, interpret and understand basic health information and services while being able to use such information and services in ways that promote optimal health. To be health literate a person must be:

- ◆ a critical thinker and problem solver who is able to evaluate information from reliable sources before making decisions;
- ◆ a responsible, productive citizen who shows respect for self and others;
- ◆ a self-directed learner who can gather, analyze, and use accurate current health information; and
- ◆ an effective communicator who can advocate for good health practices.

Students are required to complete successfully Health Education as a graduation requirement. In addition, Substance Abuse Prevention Education in grades 10, 11, and 12 are state-mandated courses. The Substance Abuse course will be added into all schedules over the summer as this work is finalized. Please note: Students taking What's New in Health meet the Substance Abuse Prevention Education requirement for the year in which they are enrolled.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
<b>Health Education 1</b>	9				Semester/.5	3	
<b>What's New in Health?</b>		10	11	12	Semester/.5	2	
<b>Substance Abuse Prevention Education</b>		10	11	12	17 Sessions /.1	-	

# MATHEMATICS

*Students in Mathematics will strategically apply mathematical concepts and skills by working with complex problems in order to develop their logical reasoning and ability to create expression that is both concrete and abstract.*

The Mathematics Department offers courses that meet a range of needs, from math for successful daily living to preparation for a career in mathematics. All math courses foster the development of problem-solving and critical thinking as well as computational skills. All students are required to earn 3.0 credits in mathematics as well as meet the mathematics performance standard. In addition, students must successfully complete a minimum of one year of Algebra as part of the three-year math sequence. Algebra I or Algebra IA will meet this requirement.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
General Math	9				Full Year/1.0	3	Teacher Recommendation Required
Pre-Algebra		10			Full Year/1.0	3	Teacher Recommendation Required
Algebra IA	9		11		Full Year/1.0	3	Teacher Recommendation Required
Algebra IB			11	12	Full Year/1.0	3	Teacher Recommendation Required
Algebra I	9	10			Full Year/1.0	2	Teacher Recommendation Required
Algebra II	9		11		Full Year/1.0	1, 2	Teacher Recommendation Required
Algebra IIA			11	12	Full Year/1.0	3	
Geometry		10	11	12	Full Year/1.0	1, 2	
Applied Geometry		10	11	12	Full Year/1.0	3	
Pre-Calculus			11	12	Full Year/1.0	1, 2	.5 Credit if student took Applied Trig./ TGR
Applied Trigonometry			11	12	Semester/.5	2	
Statistics with Probability			11	12	Semester/.5	2	
AP Statistics			11	12	Full Year/1.0	AP	Teacher Recommendation Required
AP Calculus				12	Full Year/1.0	AP	Teacher Recommendation Required
Calculus				12	Full Year/1.0	2	
Advanced Mathematics Decision Making				12	Full Year/1.0	2	
Math Lab/Problem Solving			11	12	Semester/ .1-.5	3	
SAT Review			11	12	Semester/ .1-.5	-	
Numeracy Support Center		10			Semester/.1-.5	-	
Independent Study			11	12	Semester or Full	-	Teacher Recommendation Required

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

## Recommended Sequence for Mathematics Courses

The Mathematics Department recommends that you consult the charts below to determine the most appropriate course for you to select. Remember that all prerequisites listed in the course descriptions including minimum grade requirements and teacher recommendations must be met.

	LEVEL 1	LEVEL 2		LEVEL 3	
GRADE 9	Algebra II	Algebra II	Algebra I	Algebra IA	General Math
GRADE 10	Geometry	Geometry	Geometry	Applied Geometry	Pre-Algebra
GRADE 11	Pre-Calculus and/or AP Statistics	Pre-Calculus	Algebra II	Algebra IB	Algebra IA
GRADE 12	AP Calculus and/or AP Statistics	Calculus and/or Trig/Statistics and/or Advanced Math Decision Making	Pre-Calculus* and/or Trig/Statistics and/or Advanced Math Decision Making	Algebra IIA	Applied Geometry

\* Students who have previously taken Applied Trigonometry will only receive .5 credits for Pre-Calculus.

# MUSIC

*Students in Music will communicate and express themselves musically as they develop creativity, discipline, analytical skills, problem solving, teamwork and cultural awareness.*

The Music Department provides a range of activities through which students can broaden their knowledge, appreciation, and enjoyment of music while some, such as Jazz Band and Music Theory, are geared to experienced music students. Other courses, such as Band or Chorus, build sequentially on the music program in the middle schools and provide the foundation for lifelong participation and enjoyment of music.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
<b>Ninth Grade Chorus</b>	9				Full Year/1.0	2	
<b>Choir*</b>		10	11	12	Full Year/0.6	2	
<b>Advanced Ensemble*</b>		10	11	12	Full Year/0.4	1	<i>Teacher Recommendation Required</i>
<b>Band (JLaw)*</b>	9	10	11	12	Full Year/0.6	2	
<b>Band (Foran)*</b>	9	10	11	12	Full Year/0.8	2	
<b>Jazz Band*</b>	9	10	11	12	Full Year/0.4	1	<i>Teacher Recommendation Required</i>
<b>Music Technology 1</b>	9	10	11	12	Semester/.5	2	<i>TGR</i>
<b>Music Technology 2</b>	9	10	11	12	Semester/.5	2	
<b>Piano 1</b>	9	10	11	12	Semester/.5	2	
<b>Piano 2</b>	9	10	11	12	Semester/.5	2	
<b>Guitar 1</b>	9	10	11	12	Semester/.5	2	
<b>Guitar 2</b>	9	10	11	12	Semester/.5	2	
<b>String Orchestra</b>	9	10	11	12	Full Year/1.0	2	
<b>Music Theory 1</b>	9	10	11	12	Semester/.5	2	
<b>Music Theory 2</b>	9	10	11	12	Semester/.5	2	
<b>Independent Study</b>			11	12	Semester or Full Year	-	<i>Teacher Recommendation Required</i>

\* Class may be taken more than once for credit.

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

For more information about the Band program or the Jazz Band program, please contact:  
**Jessica Shearer** at Foran ([jshearer@milforded.org](mailto:jshearer@milforded.org)) or **Paul Marino** at Law ([pmarino@milforded.org](mailto:pmarino@milforded.org)).

# PHYSICAL EDUCATION

*Students in Physical Education will engage in regular, rigorous and enjoyable physical activities to improve their overall health.*

The Physical Education Department endeavors to promote total wellness — physical, mental, emotional and social — through a planned, sequential program of selected activities. Each semester, physical education will have one quarter of fitness education and one quarter of individual and team sports. The fitness education component will be based on an individual assessment of fitness. The goals of the Physical Education program are to develop:

- ◆ knowledge and appreciation of the lifetime benefits of maintaining individual fitness;
- ◆ health-related physical fitness; and
- ◆ skill-related physical fitness.

It is strongly recommended that students register for PE 1 in their freshman year and PE 2 in their sophomore year.

Students who are excused from Physical Education classes by a physician have the opportunity to make up the classes when released by a physician. Students who cannot make up the classes by the end of the semester must retake the course.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
Physical Education 1	9				Semester/.5	3	
Physical Education 2		10	11	12	Semester/.5	3	
Physical Education Elective*		10	11	12	Semester/.5	3	
Peer Assistive Physical Education*		10	11	12	Semester/.5	2	

\* Students who fulfilled all their other elective requirements may take this class a second time.

# SCIENCE

*Students in Science will ask questions, test ideas, persevere in search of answers, reason logically and draw conclusions based on reliable evidence.*

The Science Department offers a program of study to students who are interested in preparing for a career in science and to all students seeking to become more knowledgeable about scientific technology. A sequential course of study is offered in both the biological and physical sciences. In addition to the required and recommended courses in the sequence, the Science Department offers a variety of electives designed to satisfy student interests and career goals.

The Science Department offers three AP courses; interest at the enrollment phase will determine the course(s) that will run. Historically, one or two AP courses will run each year.

All students are required to earn 3.0 credits of science.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
Physical Science	9				Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
Biology	9	10			Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
Chemistry		10	11		Full Year/1.0	1, 2, 2B	<i>Teacher Recommendation Required</i>
Physics			11	12	Full Year/1.0	1, 2	
AP Chemistry			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
AP Biology			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
AP Environmental Science			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
Nurse Assistant			11	12	Full Year/1.0	2	
Human Biology			11	12	Full Year/1.0	2	
Marine Science			11	12	Full Year/1.0	2	
Introduction to Meteorology			11	12	Semester/.5	2	
Astronomy			11	12	Semester/.5	2, 3	
Human Bio/Medical Awareness			11	12	Semester/.5	3	<i>Students who have taken Human Biology cannot enroll</i>
Environmental Science			11	12	Semester/.5	3	
Issues in Science			11	12	Semester/.5	3	
Observational Astronomy (JAF, only)			11	12	Semester/.5	3	
Technology 2000			11	12	Semester/.5	3	
Independent Study			11	12	Semester or Full	-	<i>Teacher Recommendation Required</i>

## Recommended Sequence for Science Courses

The Science Department recommends that you consult the charts below to determine the most appropriate course for you to select. Remember that all prerequisites listed in the course descriptions including minimum grade requirements and teacher recommendations must be met.

	LEVEL 1	LEVEL 2	LEVEL 3
<b>GRADE 9</b>	Physical Science or Biology	Physical Science	Physical Science
<b>GRADE 10</b>	Biology or Chemistry	Biology	Biology
<b>GRADE 11</b> Electives	Chemistry Physics AP Biology AP Environmental Science	Chemistry or Astronomy Human Biology Marine Science Meteorology Nurse Assistant Observational Astronomy  <i>The following Level 3 Class is open to students who have traditionally taken and done well in Level 2 classes</i> Human Biology: Medical Awareness	Astronomy Environmental Science Human Biology: Medical Awareness Issues in Science Technology 2000  <i>The following Level 2 Classes are open to students who have traditionally taken and done well in level 3 classes:</i> Human Biology, Meteorology, Nurse Assistant
<b>GRADE 12</b>	Physics AP Biology AP Chemistry AP Environmental Science	Physics AP Biology AP Chemistry AP Environmental Science or Astronomy Human Biology Marine Science Meteorology Nurse Assistant Observational Astronomy  <i>The following Level 3 Class is open to students who have traditionally taken and done well in Level 2 classes</i> Human Biology: Medical Awareness	Astronomy Environmental Science Human Biology: Medical Awareness Issues in Science Technology 2000  <i>The following Level 2 Classes are open to students who have traditionally taken and done well in level 3 classes:</i> Human Biology, Meteorology, Nurse Assistant

# SOCIAL STUDIES

*Students in Social Studies will tackle complex problems with historical and contemporary information in order to be informed, responsible and interdependent citizens.*

All students must successfully complete a minimum of 3.0 credits in history and social studies, including 1.0 credit in American History. All Grade 9 students are required to take Modern World History and all Grade 10 students to take Survey of America in the 20th Century. Students must also pass one semester course of The Global Community (or meet the Global Community requirement by passing AP European History). In addition, students must earn a 0.5 credit in civics. This requirement can be fulfilled by Youth and Government or by AP Government and Politics or by Civics and American Government. Most students will meet the Civics requirement in their junior year. It is strongly recommended, however, that a student interested in the Level 1 Social Studies sequence take AP Government and Politics in his/her sophomore year, in addition to Survey of America in the 20th Century.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
<b>Modern World History</b>	9				Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
<b>Survey 20th Century America</b>		10			Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
<b>Civics and American Government</b>		10	11	12	Semester/.5	2, 3	
<b>Youth and Government</b>		10	11	12	Semester/.5	1, 2	
<b>AP Government and Politics</b>		10	11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>Issues in Civics &amp; Global Community</b>			11		Full Year/1.0	3	
<b>History Crime &amp; Violence</b>			11	12	Semester/.5	2, 3	
<b>Ancient History</b>			11	12	Semester/.5	2, 3	
<b>Anthropology</b>			11	12	Semester/.5	2	
<b>Women in the World</b>			11	12	Semester/.5	2, 3	
<b>Economics</b>			11	12	Semester/.5	2, 3	
<b>AP Economics</b>			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>AP American History</b>			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>AP European History</b>			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>The Global Community 1</b>			11	12	Semester/.5	2, 3	
<b>The Global Community 2</b>			11	12	Semester/.5	2, 3	
<b>Independent Study</b>			11	12	Semester/Full	--	<i>Teacher Recommendation Required</i>

## Recommended Sequence for Social Studies Courses

The Social Studies Department recommends that you consult the charts below to determine the most appropriate course for you to select. Remember that all prerequisites listed in the course descriptions including minimum grade requirements and teacher recommendations must be met.

	LEVEL 1	LEVEL 2	LEVEL 3
<b>GRADE 9</b>	Modern World History	Modern World History	Modern World History
<b>GRADE 10</b>	Survey of 20 <sup>th</sup> Century America <b>AND</b> AP Government and Politics	Survey of 20 <sup>th</sup> Century America	Survey of 20 <sup>th</sup> Century America
<b>GRADE 11 / 12</b>	<p>AP European History AP American History AP Economics AP Government and Politics Youth and Government</p> <p><i>AP Gov't fulfills the Civics Requirement. AP European History fulfills the Global Community requirement..</i></p>	<p>Civics OR Youth and Government <b>AND</b> Global Community 1</p> <p><b>Electives:</b> Ancient History Anthropology Crime and Violence Economics Global Community 2 Women in the World Youth and Government</p> <p><i>Students should NOT take Youth and Government and Civics concurrently.</i></p>	<p>Civics <b>AND</b> Global Community 1</p> <p><b>OR</b></p> <p>Issues in Civics and Global Community</p> <p><b>Electives:</b> Ancient History Crime and Violence Economics Global Community 2 Women in the World</p> <p><i>The following Level 2 Class is open to students who have traditionally taken and done well in level 3 classes:</i></p> <p>Anthropology</p>

# SPECIAL EDUCATION

Our high school special education classes are designed to meet the individual needs of students requiring special education services. Students are placed in classes according to the recommendations made by the Planning and Placement Team (PPT). When appropriate, these recommendations are reviewed and modified based on student need and performance. Students are educated in the Least Restrictive Environment (LRE) which may range from general education classes to classes involving specially designed instruction.

The academic portion of a student's program includes the four major content areas (English, Mathematics, Science and History) as well as other classes required for graduation. Depending on student need, there may be greater emphasis on acquiring daily living and pre-vocational skills across content areas through a combination of classroom instruction and work experience.

*Special Education courses do not have levels and are not included in class rank.*

COURSE TITLE	GRADE OFFERED				CREDIT(S)	NOTES
<b>Peer Assistive Physical Education</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Community Skills Experience (Law only)</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>English 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Reading Enrichment (Foran only)</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Math 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required (Math 4B TGR)</i>
<b>US History</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Contemporary Issues</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Civil Law</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Criminal Law</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Occupational Education/Work Study</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Health</b>	9	10	11	12	Semester/.5 and Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>General Science</b>	9	10	11	12	Semester/.5 and Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Science</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Environmental Science</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Independent Study</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Work Study</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>

**Success Every Day courses** are designed to meet the individual needs of the students who are placed in our Success Every Day program through their Planning and Placement Teams. The curriculum provides a planned and coordinated program of study that is directed towards successful individual outcomes for students.

<b>Success English 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Success Math 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required (LS Math 4B TGR)</i>
<b>Success Social Studies 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Success Science 1 - 4</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Success Personal Dev 1 – 4 (Foran only)</b>	9	10	11	12	Semester/.5	<i>Teacher Recommendation Required</i>

**Life Skills courses** are designed to meet the individual needs of the students as determined by their Planning and Placement Teams. The curriculum provides an individualized program of studies that fosters independent living skills and community participation.

<b>Life Skills English 1 - 4</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Skills Math 1 - 4</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Skills Social Studies</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Skills Science</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Skills Pers Development 1 - 4</b>	9	10	11	12	Full Year/1.0	<i>Teacher Recommendation Required</i>
<b>Life Skills/Academy</b>		10	11	12+	Semester/.5	<i>Teacher Recommendation Required</i>
<b>Life Skills/Academy</b>				12+	Semester/.5	<i>Teacher Recommendation Required</i>

**The Learning Centers** at Foran and Law offer academic and emotional support to students who require specially designed instruction based on the recommendation of their Planning and Placement Team. In addition, organizational and test-taking strategies are emphasized in order to foster independent learning. Learning Center grades are pass/fail.

<b>Learning Center</b>	9	10	11	12	Semester .1 - .5	<i>Teacher Recommendation Required</i>
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TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

# TECHNOLOGY EDUCATION

*Students in Business and Technology Education will develop expertise in problem solving and communicate ideas through various mediums as they use advanced technological tools to work to take an idea from conception to completion.*

The Technology Education Department offers courses not only for students interested in a career in technology but also for all students seeking to become more knowledgeable and self-sufficient in an increasingly technological world. These courses help prepare students to enter the work force directly after graduation or to enter college or technical schools. Students interested in a career in drafting or graphics should consult the chart in this section, indicating the recommended course sequence for those fields.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
Foundations of Technology	9				Full Year/1.0	2	
Drafting Technology 1A	9	10	11	12	Semester/.5	2	
Drafting Technology 1B	9	10	11	12	Semester/.5	2	TGR
Drafting Technology 2		10	11	12	Full Year/1.0	2	
Drafting Technology 3			11	12	Full Year/1.0	2	
Materials Processing 1		10	11	12	Semester/.5	2	
Materials Processing 2		10	11	12	Semester/.5	2	
Materials Processing 3			11	12	Semester/.5	2	
Graphic Communications 1 (JAF only)		10	11	12	Semester/.5	2	
Graphic Communications 2 (JAF only)		10	11	12	Semester/.5	2	TGR
Graphic Communications 3 (JAF only)			11	12	Full Year/1.0	2	
Power Technol. 1/Small Gas Engines		10	11	12	Semester/.5	2	
Power Technology 2		10	11	12	Semester/.5	2	
Power Technology 3			11	12	Full Year/1.0	2	
Construction Technology			11	12	Semester/.5	2	TGR
Engineering Prep		10	11	12	Semester/.5	2	
Photography 1		10	11	12	Semester/.5	2	
Photography 2		10	11	12	Semester/.5	2	
Photography 3		10	11	12	Full Year/1.0	2	
Video Production		10	11	12	Semester/.5	2	TGR
Technology 2000			11	12	Semester/.5	3	
Automotive Ownership			11	12	Semester/.5	3	

<b>Robotics 1</b>		<b>10</b>	<b>11</b>	<b>12</b>	<b>Semester/.5</b>	<b>2</b>	<b>TGR</b>
<b>Robotics 2</b>		10	11	12	Semester/.5	2	TGR
<b>Independent Study</b>			11	12	Semester or Full Year	-	<i>Teacher Recommendation Required</i>

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

## Recommended Course Sequence for Careers in Technology

<b>DRAFTING TECHNOLOGY</b>	<b>MATERIALS PROCESSING/ MANUFACTURING</b>	<b>CONSTRUCTION TECHNOLOGY</b>	<b>GRAPHIC COMMUNICATION</b>	<b>ENERGY-POWER TRANSPORTATION</b>
<i>Draftsman CADD Operator Architect Designer Engineer</i>	<i>Tool Maker Machinist Carpenter CAM Operator Plumber</i>	<i>Carpenter Roofer Stone Mason</i>	<i>Graphic Designer Layout Person Image Assembly Person Photographer Pressman Multimedia Producer</i>	<i>Auto Mechanic Technician Engineer Electronic Technician</i>
<b>Grade 9</b> Foundations of Technology Drafting Technology 1A Drafting Technology 1B	<b>Grade 9</b> Foundations of Technology	<b>Grade 9</b> Foundations of Technology	<b>Grade 9</b> Foundations of Technology	<b>Grade 9</b> Foundations of Technology
<b>Grade 10</b> Drafting Technology 1A Drafting Technology 1B Materials Processing 1	<b>Grade 10</b> Drafting Technology 1A Drafting Technology 1B Materials Processing 1	<b>Grade 10</b> Drafting Technology 1A Drafting Technology 1B Materials Processing 1	<b>Grade 10</b> Graphic Communication 1 Photography 1 Video Production	<b>Grade 10</b> Power Technology 1 Robotics 1 Robotics 2
<b>Grade 11</b> Drafting Technology 2 Materials Processing 2 Engineering Prep Technology 2000	<b>Grade 11</b> Materials Processing 2	<b>Grade 11</b> Materials Processing 2 Engineering Preparation Construction Technology	<b>Grade 11</b> Graphic Communication 2 Photography 2 Drafting Technology 1A Drafting Technology 1B	<b>Grade 11</b> Power Technology 2 Engineering Preparation Automotive Ownership Robotics 1 Robotics 2
<b>Grade 12</b> Drafting 3 Materials Processing 3	<b>Grade 12</b> Construction Technology Materials Processing 3	<b>Grade 12</b> Materials Processing 3 Construction Technology	<b>Grade 12</b> TV Production* Graphic Communication 3 Photography 3	<b>Grade 12</b> Power Technology 3 Automotive Ownership Robotics 1 Robotics 2

# VISUAL ARTS

*Through the application of the Elements of Art, students examine and create visual art to solve problems, to express feelings, and to communicate ideas.*

From introductory courses focusing on two- and three-dimensional design through specialized and advanced courses, the Art Department incorporates problem-solving through understanding, appreciation, skill-building, and enjoyment of art. Whether students are expanding their interests or focused on a career in the arts, they are encouraged to explore their own abilities and experience the joys of creativity.

Students may begin art study at any grade level. Design I, however, is a prerequisite for Design II, Graphic Art and Design, and Fine Art Studio.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
	9	10	11	12			
<b>Design I</b>	9	10	11		Full Year/1.0	2	
<b>Design II</b>		10	11	12	Semester/.5	2	
<b>Drawing</b>		10	11	12	Semester/.5	2	
<b>Painting</b>		10	11	12	Semester/.5	2	
<b>Cartooning</b>		10	11	12	Semester/.5	2	<i>TGR</i>
<b>Ceramics and Pottery</b>		10	11	12	Semester/.5	2	
<b>Sculpture</b>		10	11	12	Semester/.5	2	
<b>Printmaking</b>		10	11	12	Semester/.5	2	
<b>Crafts</b>		10	11	12	Semester/.5	2	
<b>Graphic Art and Design</b>		10	11	12	Semester/.5	2	<i>TGR</i>
<b>Fine Art Studio</b>			11	12	Semester/.5	2	
<b>Art for Seniors</b>				12	Full Year/1.0	2	
<b>Independent Study</b>			11	12	Semester or Full Year	-	<i>Teacher Recommendation Required</i>

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

# WORLD LANGUAGES

*Students in World Languages will acquire meaningful skills that are grounded in our belief that language acquisition makes one an active participant of our global community.*

The World Languages Department provides students with an opportunity to acquire essential language skills and to become familiar with the historical and cultural bases of different languages. Offerings in French, Spanish and Latin serve as vehicles for understanding and respecting both cultural heritage and cultural differences. In this way, the World Languages Department prepares students for citizenship in the global community of the 21st century and equips them with the language proficiency, knowledge and critical insight necessary for further study. French and Latin are offered in a four-year sequence and Spanish has a five-year sequence. Both Latin and Spanish offer culminating Advanced Placement Courses. The Board of Education will not guarantee three years or more of a language sequence without adequate enrollment. Previous experience indicates the need for at least two sections in the first year of a language to ensure adequate enrollment in the third and/or fourth year. If the sequence starts with two sections or more, at least three years will be offered. If fewer students elect the first year of a language, the class may be offered, but upper levels of the sequence are not guaranteed. When enrollment warrants, Level 1 classes will be scheduled separately from Level 2 classes. This is not always possible and some combined classes are necessary; when this is the case, they are treated as different groups for most instructional purposes and graded accordingly.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
	9	10	11	12			
<b>French 1</b>	9	10	11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>French 2</b>		10	11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>French 3</b>			11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>French 4</b>			11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>Latin 1</b>	9	10	11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>Latin 2</b>		10	11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>Latin 3</b>			11	12	Full Year/1.0	1, 2	<i>Teacher Recommendation Required</i>
<b>Latin 4</b>			11	12	Full Year/1.0	2	<i>Teacher Recommendation Required</i>
<b>AP Latin Literature</b>			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>Spanish 1</b>	9	10	11	12	Full Year/1.0	2, 3	<i>Teacher Recommendation Required</i>
<b>Spanish 1B</b>	9				Full Year/1.0	2	<i>Teacher Recommendation Required</i>
<b>Spanish 2</b>	9	10	11	12	Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
<b>Spanish 3</b>		10	11	12	Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
<b>Spanish 4</b>			11	12	Full Year/1.0	1, 2, 3	<i>Teacher Recommendation Required</i>
<b>AP Spanish Language</b>			11	12	Full Year/1.0	AP	<i>Teacher Recommendation Required</i>
<b>Spanish 5</b>			11	12	Full Year/1.0	2, 3	<i>Teacher Recommendation Required</i>
<b>Independent Study</b>			11	12	Semester or Full Year	-	<i>Teacher Recommendation Required</i>

# INTERDISCIPLINARY

This section includes courses incorporating material from several different fields of study. If interested in requesting one of these courses, please review the requirements and seek the advice of your guidance counselor.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
<b>Online Communication</b>		10	11	12	Semester/.5	2	<i>TGR</i>
<b>Sign Language</b>	9	10	11	12	Semester/.5	2	<i>Law Only</i>
<b>Television Production</b>			E	12	Full Year/0.5+0.5	2	<i>.5 English and .5 Tech Ed Elective/TGR</i>
<b>Yearbook</b>			11	12	Semester/.5	2	
<b>Sr. Internship/Research Project</b>				12	Semester or Full Year	2	

TGR: Technology Graduation Requirement can be fulfilled by both passing the course and successfully completing the technology project within the course.

E: Juniors may enroll in this course as an additional English elective.

## English for Speakers of other Languages (ESOL)

The courses within the ESOL Program are intended for students whose knowledge of English is limited. Students can and should enroll in multiple sections of ESOL and may repeat courses in subsequent years. Instruction in all courses is individualized to meet each student's academic and communication needs.

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)	NOTES
<b>English Language Learning</b> (Semester 1)	9	10	11	12	Semester/.5	-	<i>Teacher Recommendation Required</i>
<b>English Language Learning</b> (Semester 2)	9	10	11	12	Semester/.5	-	<i>Teacher Recommendation Required</i>

**MILFORD PUBLIC SCHOOLS: HIGH SCHOOL PLANNING CHART**

Name: \_\_\_\_\_ Graduating Class of 2012 / 2013 / 2014 / 2015 School: \_\_\_\_\_

Department	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b> 4.0 Credits Required <i>Juniors must take 1.0 Writing/Lit OR .5 Writing and .5 Literature.</i>	<b>English 1</b> 1.0	<b>English 2</b> 1.0	<b>English Elective</b> 1.0	<b>English Elective</b> 1.0
<b>Social Studies</b> 3.0 Credits Required <i>Sophomores in Lvl 1 classes are encouraged to take AP Gov't and Survey concurrently.</i>	<b>Modern World History</b> 1.0	<b>Survey of America</b> 1.0	<b>Civics/Global</b> 1.0	
<b>Mathematics</b> 3.0 Credits Required <i>1.0 of the 3.0 Math requirement must fulfill the district Algebra requirement.</i>	<b>Mathematics</b> 1.0	<b>Mathematics</b> 1.0	<b>Mathematics</b> 1.0	
<b>Science</b> 3.0 Credits Required	<b>Physical Science</b> 1.0	<b>Biology</b> 1.0	<b>Science Elective</b> 1.0	
<b>World Language</b> 2.0 – 4.0 Credits Recommended				
<b>Health and Phys. Education</b> 1.5 Credits Required	<b>Health / Phys. Ed</b> .5 / .5	<b>Physical Education</b> .5		
<b>Electives</b> 7.5 Credits Required	.5	1.0	1.5	4.5
	1.5 of the 7.5 Elective credits must be in Business, Family and Consumer Science, Music, Technology, or Visual Arts. Once credit requirements are fulfilled in all other departments, additional credits may fulfill the elective requirement.			
<b>Performance Standards</b> 0.4 Credits Requirement	The performance standards are achieved over the four year period: 0.1 each for Reading, Writing, Mathematics and Technology.			
<b>Total Credits for Promotion</b>	<b>5.5 Credits</b>	<b>11.0 Credits</b>	<b>16.5 Credits</b>	<b>22.4 Credits</b>

Students must carry at least 5.5 credits each year.



### Jonathan Law High School

20 Lansdale Road  
Milford, CT 06460  
203.783.3574

#### Principal

Janet Garagiano

#### Assistant Principals

Richard Kramer  
Robert Swan

#### Guidance Contacts

Assignments made by student's last name and class.

Class 2014	Class 2013	Class 2012				
A-Da	A-De	A-C	Paulette Reeves	x 5868	preeves@milforded.org	
Db-Ki	Df-Ki	D-J	Cristina Scarpa	x 5768	cscarpa@milforded.org	
Kj-O	Kj-Pa	K-Par	Nicole Pirrello	x 5468	npirello@milforded.org	
P-S	Pb-S	Pas-Ss	Barbara Kovacs	x 5668	bkovacs@milforded.org	
T-Z	T-Z	St-Z	Marguerite Raymo	x 5568	mraymo@milforded.org	

#### Guidance Secretary

Dawn Sena x 5168

### Joseph A. Foran High School

80 Foran Road  
Milford CT 06460  
203.783.3502

#### Principal

John Barile

#### Assistant Principals

Christina Magnuson  
Daniel Young

#### Guidance Contacts

Assignments made by student's last name:

A - Da	Lana Perkins	x 5026	lperkins@milforded.org
Db- H	Mary Jude Cook	x 5024	mcook@milforded.org
I - M	Sheila Hughes	x 5027	shughes@milforded.org
N - Sp	Daniel Knoblauch	x 5025	dknoblauch@milforded.org
Sq- Z	Susan Unger	x 5008	sunger@milforded.org

#### Guidance Secretary

Ann Lapham x 5007

### East Shore Middle School

240 Chapel Street  
Milford, CT 06460  
203.783.3559

#### Principal

Catherine Williams

#### Assistant Principal

Amy Fedigan

#### Guidance

Heather Zultowski  
hzultowski@milforded.org  
203.783.6697

### Harborside Middle School

175 High Street  
Milford CT 06460  
203.783.3523

#### Principal

Gordon Beinstein

#### Assistant Principal

Steven Marchetti

#### Guidance

Maria Mackin  
mmackin@milforded.org  
203.882.5873

### West Shore Middle School

70 Kay Avenue  
Milford CT 06460  
203.783.3553

#### Principal

Vince Scarpetti

#### Assistant Principal

Thomas Finn

#### Guidance

Kelly Virzi  
kvirzi@milforded.org  
203.882.5874

Meghan Basher  
mbasher@milforded.org  
203.882.5874

Milford, Connecticut 06460  
70 West River Street



**Milford Public Schools**