



MILFORD PUBLIC SCHOOLS
PROGRAM OF STUDIES

2012 - 2013

Jonathan Law High School

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Milford, CT 06460
203.783.3574

Joseph A. Foran High School

80 Foran Road
Milford, CT 06460
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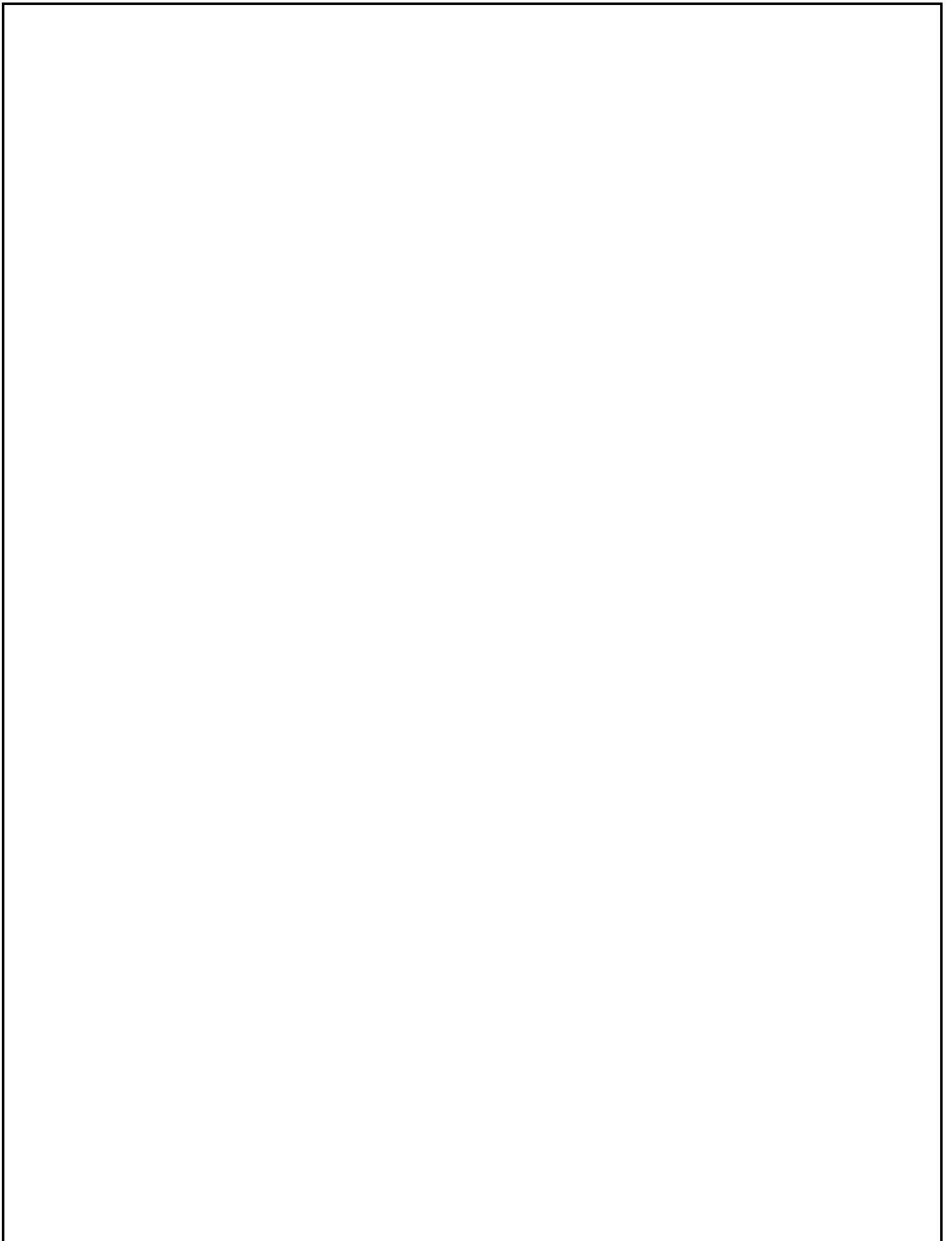
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Dear Students:

Welcome to the Milford Public Schools Program of Studies for the 2012-2013 school year.

This Program of Studies reflects a comprehensive high school program with a variety of course offerings. Using this guide to plan your individual academic program is essential to a meaningful and productive high school experience. Take note of the information provided regarding graduation requirements, prerequisites for courses, and course sequences so that your course requests are in line with your long-term goals. Be sure to work with your school counselor to develop a course of study that will help you reach your goals.

We take your requests for courses very seriously. They are a critical factor in building the master schedule for the entire school. Our approach is very straightforward: if we have enough requests for a course, we will do our best to schedule it in such a way that students who requested the course can fit it in their schedule. This process takes many people many months to complete. Your course requests also help us determine how many sections of a course we must offer during a school year. It is for these reasons, that once the schedules are finalized, we will make changes in individual schedules only for exceptional circumstances.

Our hope is that each student will pursue a program that is rigorous, challenging, and interesting. We encourage you to take advantage of the offerings available to you so that after four years you will be well prepared for the next stage of your life with a myriad of educational and career opportunities available to you.

Your teachers, counselors, and administrators stand ready to help you throughout this process; all you need to do is ask.

Best of luck in the coming school year.

Sincerely,

Fran Thompson

Mr. Fran Thompson
Jonathan Law High School

John W. Barile

Mr. John W. Barile
Joseph A. Foran High School

WHAT'S NEW FOR 2012-13?

The course selection process is new this year for all students with a school wide scheduling day involving all students in conversations with their teachers about the best choices for their academic progress.

NEW COURSES

We are pleased to introduce the following new courses for the 2012-2013 Academic Year:

Advanced Placement Physics:

Advanced Placement Physics is a nationally recognized college level course covering mechanics, electricity and magnetism, fluid mechanics and thermal physics, waves and optics, and atomic and nuclear physics.

Advanced Placement Studio Art:

Advanced Placement Studio Art is a nationally recognized college level course which challenges students through studio practice to create and assemble a body of artwork that demonstrates a high level of artistic quality.

Interior Design

The Interior Design course will provide a hands-on experience for students in the world of interior design as they explore the principles and goals of interior design.

Fitness and Wellness Training

Fitness and Wellness Training is designed as a Physical Education II option for students who are interested in physical activity through fitness training and weight training.

Advanced Mathematics Decision Making

The Advanced Mathematics Decision Making (AMDM) course, designed for high school seniors as a 12th grade alternative to Precalculus or as an elective to accompany or follow Precalculus, helps students develop college and career readiness skills.

GRADUATION REQUIREMENTS

In order to graduate from the Milford Public Schools, a student must acquire 22.4 credits including, but not limited to:

- ◆ 4.0 credits of English (including 0.5 in composition and 0.5 in literature following sophomore year),
- ◆ 3.0 credits of Mathematics (including 1.0 in Algebra),
- ◆ 3.0 credits of Social Studies (including 1.0 in Survey of America, .5 in Civics, and .5 in Global),
- ◆ 3.0 credits of Science,
- ◆ 1.0 credit of Physical Education,
- ◆ 0.5 credit of Health,
- ◆ 1.5 credits in vocational/arts electives (Business, Family and Consumer Science, Music, Technology, or Visual Arts), and
- ◆ 0.4 credits through successful completion of performance standards in writing, math, literacy and technology.

GENERAL INFORMATION

Timeline

In February, the publication and distribution of this *Program of Studies Handbook* marks the beginning of the course selection process for students. At this time students and their parents should review the course of studies offered at the high school and begin to identify appropriate courses. Students should consider graduation requirements, areas of interest and collegiate expectations in planning their four year course of study.

Following an orientation with the high schools, eighth graders' school counselors and middle school teachers will offer advice and make recommendations to students for their first year of high school course selections.

Following grade level orientation sessions, all students in grades nine through eleven will participate in a school wide course selection day where their classroom teachers will profile upcoming courses for their respective departments and make recommendations for students' course of studies. Students will then conclude their day by making their course requests for the upcoming year. The School Counseling Department will continue the scheduling process by reviewing students' choices and working with students and parents to make any necessary adjustments.

After courses have been selected, any necessary changes 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.

It is important to note that as the master schedule is developed, some courses may not run due to insufficient enrollment. School Counselors will work with students to request different courses in this case as well as with students who are unable to take some courses due to scheduling conflicts.

Following the build of the master schedule, tentative course schedules will be mailed in June. Final schedules, with periods, room numbers and teachers will be distributed to all students on the first day of school.

The Role of the School Counselors

The School Counseling Department provides academic, career, and personal services to students throughout the year.

During the course selection process, School Counselors conduct:

- ◆ orientation sessions for all students in grades 8 through 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.

New Student Registration

Students new to the school should register during the summer and select a program with the assistance of School Counselors and/or building administration. Parents/Guardians will need to 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.

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 and 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 have more opportunities to

take courses of their choosing--these are called *electives*. School Counselors will explain this to students in more detail as students prepare for their course selection for the upcoming year and for the years beyond.

Levels

Most offered courses have level indicators: *Advanced Placement (AP), Level 1, Level 2, and Level 3*. While all levels offer a rigorous curriculum, the level designations align with pacing and prerequisite skills.

Advanced Placement

The Advanced Placement Program (AP) is a nationally recognized program designed to challenge high school students with college level courses. AP courses provide students with the rigor and complexity of an in-depth study of specific subjects, while helping students to develop study habits and time management skills essential for success in college. All our students are encouraged to take Advanced Placement courses.

The following Advanced Placement courses are currently offered in our high schools:

English	Advanced Placement Language Advanced Placement Literature
Science	Advanced Placement Biology Advanced Placement Chemistry Advanced Placement Environmental Advanced Placement Physics B
Social Studies	Advanced Placement Gov't and Politics Advanced Placement Macroeconomics Advanced Placement American History Advanced Placement European History
Mathematics	Advanced Placement Calculus AB Advanced Placement Statistics
Visual Arts	Advanced Placement Studio Art
World Language	Advanced Placement Spanish Language Advanced Placement Latin Vergil

All AP courses culminate with a national AP Examination which measures how well students have mastered the college-level work in the particular subject. Students who do well on AP Exams can earn course credit and/or placement opportunities into advanced courses in college.

In addition, students who qualify can cite among their credentials the academic distinction of earning AP Scholar Awards. Following are three of the more common awards:

- ◆ AP Scholar with Distinction: Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams.
- ◆ AP Scholar with Honor: Granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more of these exams.
- ◆ AP Scholar: Granted to students who receive scores of 3 or higher on three or more AP Exams.

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. When students enrolled in Advanced Placement courses are eligible for UCONN/ECE credit, students are required to pay a per credit fee. As the fee varies from year to year, specific cost information is available from the School Counselor's Office or the applicable AP Teacher. Many of the Advanced Placement Courses require some summer work.

Prerequisites

For current eighth grade students, placement into ninth grade classes will be determined by grades in conjunction with state and district assessments and teacher recommendations.

For current ninth through eleventh grade students, the chart following reflects the necessary prerequisites for moving within sequences within all departments.

Additional prerequisites that may be in place for certain courses are listed with the course descriptions found later in this guide.

2011-12 Level	2011-12 Grade Range	2012-13 Level
AP or Level 1	A+ through C- C- through F	AP or Level 1 Level 2
Level 2	A+ through B A+ through C- C- through D	AP or Level 1 Level 2 Level 3
Level 3	A+ through B A+ through F	Level 2 Level 3

Information on requesting alternate levels is available through both the administrative and school counselor offices.

Promotion Requirements

In order for students to be promoted from one class to another, they must meet specific promotion requirements.

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

- ◆ have a minimum of 5.5 credits, and
- ◆ have passed 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.

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. Students will have multiple 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 will need to 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 must be able to extend the idea of the text by making inferences and drawing conclusions as well as by making connections to text, self and world.

The Technology Graduation Requirement

To meet the technology standard, students need to demonstrate that they can solve an authentic, complex problem using technology.

To demonstrate mastery, 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 below 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.

Business: Advanced Word Processing, Accounting, Microsoft Skills

English: Journalism 1, Mass Media, TV Production

FCS: Lab Assistant, Child Development 2, Contemporary Living Skills, Cooking for Healthy Living

Math: Precalculus (Levels 1, 2)

Music: Music Technology 1

Spec. Ed: Math 4B; Life Skills Math 4

Tech Ed: Video Production, TV Production, Robotics 1 and 2, Drafting 1B, 2; Construction Technology

Visual Arts: Cartooning, Graphic Art and Design

Interdisciplinary: Online Communication

These courses are designated by a *TGR* within the department pages. Periodically, other courses are added to this list. The School Counseling 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 edition of the *Parent-Student Handbook: High School Edition*.

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).

Additional Information

The 2012-2013 *Parent-Student Handbook: High School Edition* will contain the most up-to-date information on:

- ◆ Attendance
- ◆ Class Rank
- ◆ Contracting Up
- ◆ Course Waivers
- ◆ Grading and Homework Procedures and Practices*
- ◆ Grade Point Average (GPA)
- ◆ Graduation Honors
- ◆ Homebound Instruction
- ◆ Honor Roll
- ◆ Reports to Parents

**As the district is in the process of revising its grading and homework procedures and practices, it will be especially important to review this section of the handbook in the fall. Additional information will be included within this section on culminating examinations.*

The *Parent-Student Handbook: High School Edition* is accessible online with the new version uploaded at the beginning of every year. To access the latest edition, go to **www.milforded.org**, then click on *District Information*, then go to *Publications*. The *elementary, middle* and *high school* versions are located there.

Parents and students may request a printed copy through their high school if they prefer.

SCHOOL-BASED PROGRAMS

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 and follows the guidelines of the school.

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 School Counseling 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 (Alternative Education)

Located in a separate facility, yet still part of our high school program, the Academy offers an alternative education program to students who have not been successful in the traditional high school setting. The primary goals of the Academy 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.

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 within 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 following chart shows general entrance requirements for most four year post-secondary schools. Students should consult their school counselors for the specific requirements of a particular school. The competitive nature of today's admissions process often requires students to take more advanced courses and/or additional years within a subject.

English	4 Years Including Composition
Math	3 Years (4 preferred) Including Algebra and Geometry
Science	3 Years (4 preferred) Including laboratory courses
Social Studies	3 Years (4 preferred) Including US History
World Language	2 Years in one language (3-4 preferred)
Electives	Some schools look specifically for Fine Arts and/or Career and Technical Education Electives

NCAA Certification

The NCAA Eligibility Center website is www.ncaaclearinghouse.net. You may access the Clearinghouse Home Page directly or through links from the NCAA's website at 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.

Both Division I and Division II now require 16 specific core courses. It is important that prospective student-athletes are aware of the specific requirements and that they select courses with the requirements in mind. See the following two listings for the breakdown in credit expectations:

NCAA 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 comparative religion/philosophy)

NCAA Division II (16-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)
- 3 years 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 comparative religion/philosophy)

For a complete and updated list of Milford's Approved NCAA Courses, please visit 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:

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

For students at Joseph Foran:

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

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)

OUT OF DISTRICT SPECIAL PROGRAMS

Milford students may qualify to attend the following Special Programs out of district. Additional information for these programs can be found through the School Counseling Department at the High Schools.

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 School Counseling 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 Academy

The Metropolitan Business Academy 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.

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 in the Aquaculture program is limited.

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 School Counseling 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 School Counseling Department.

Regional Agriscience and Technology Program

The Regional Vocational Agriscience and Technology Program located at Trumbull High School, allow 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 School Counseling Office. Acceptance will be determined by budgetary constraints.

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 School Counseling Office.

ENGLISH

Students in English will acquire the skills to use, appreciate and analyze the English language as a creative, informative and persuasive tool in order to become effective communicators.

The English Department seeks to develop reading, writing, listening, and speaking skills through a variety of required and elective courses. All English classes emphasize critical reading, the writing process, vocabulary development and oral communication.

Required Courses: All students are required to pass 4.0 credits of English in order to graduate. Included within the requirement are English 1, English 2 and, in their junior year, either a year-long composition and literature course or a semester composition course and a semester literature course.

Recommended Sequence: 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, English 2, concentrates on American literature. In the junior and senior years, students may choose from a wide range of electives. In their junior year, students must enroll in English 3: Language and Literature or a semester Composition Elective and a semester Literature Elective. Students may take additional electives their junior year. In their senior year, students have a variety of electives to choose from to complete their requirements. It is highly recommended that students take a minimum of 1.0 credit of English each year.

Advanced Placement: The English Department offers two Advanced Placement Courses – Advanced Placement Language and Advanced Placement Literature. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

GRADE 9 :

ALL students must enroll in English 1.

GRADE 10

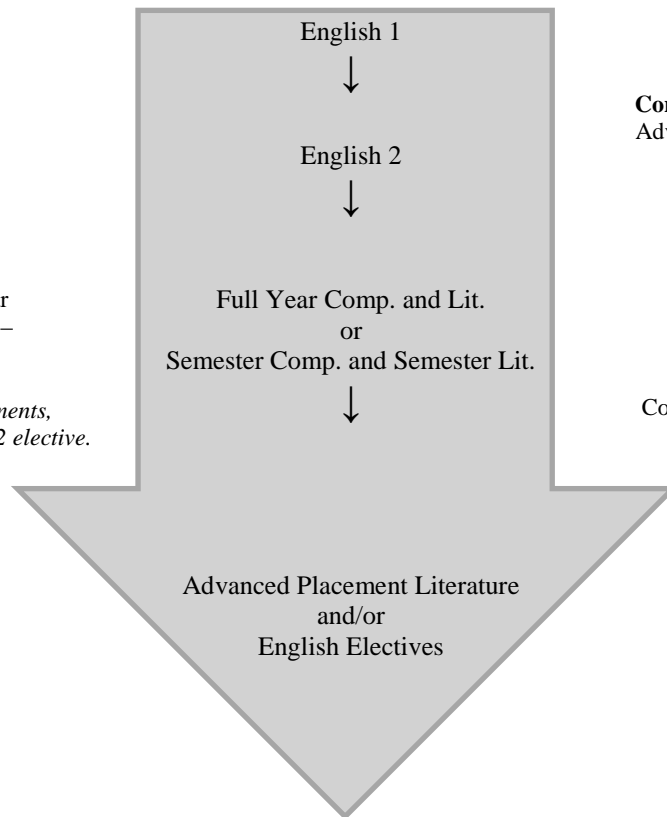
ALL students must enroll in English 2.

GRADE 11

All students must enroll in a full year composition/ literature course – OR – a semester composition elective and a semester literature elective.
In addition to the Grade 11 requirements, juniors may take any Grade 11 or 12 elective.

GRADE 12

All students must register for and successfully complete a full year of English.



ENGLISH ELECTIVES

Full Year

Composition and Literature Electives
Advanced Placement English Language and Literature

Semester

Composition Elective:
Composition

Semester

Literature Elective:
Contemporary Fiction
Contemporary Young Adult Literature
The Dramatic Experience
Fairy Tales and Folk Literature
Mystery
Short Story
What Happened In/To the 60s?

Additional English Electives:

Advanced Placement Language
Advanced Placement Literature
Film as Literature
Journalism 1, 2, or 3
TV Production
Personal and Social Identity
Introduction to Philosophy

College and Career Readiness

ENGLISH COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
	9	10	11	12		
English 1	9				Full Year/1.0	1, 2, 3
English 2		10			Full Year/1.0	1, 2, 3
AP English Language			11		Full Year/1.0	AP
Language and Literature			11	12	Full Year/1.0	2,3
Composition			11	12	Semester/.5	2,3
AP English Literature & Composition				12	Full Year/1.0	AP
Introduction to Philosophy			11E	12	Full Year/1.0	1
Contemporary Fiction			11	12	Semester/.5	2
Creative Writing			11E	12	Semester/.5	2
The Dramatic Experience			11	12	Semester/.5	2*
Fairy Tales & Folk Literature			11	12	Semester/.5	2*
Film as Literature			11E	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			11E	12	Full Year/1.0	TGR 2
Journalism 1		10E	11E	12	Full Year/1.0	TGR 2
Journalism 2			11E	12	Full Year/1.0	2
Journalism 3				12	Full Year/1.0	2
Contemporary Young Adult Literature			11	12	Semester/.5	3
Mystery			11	12	Semester/.5	3
Personal and Social Identity			11E	12	Semester/.5	3
Mass Media			11E	12	Semester/.5	TGR 3
Reading Lab	9	10	11	12	Semester/ .1-.5	3
Reading Lab RFS	9	10			Full Year/1.0	3
Critical Reading/College Prep.	9	10	11	12	Semester/ .1-.5	3
Reading Support Center	9	10	11	12	Semester/ .1-.5	-
Independent Study			11	12	Semester or Full Year	-

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

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

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

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) COURSES

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)
	9	10	11	12		
English Language Learning (Semester 1)	9	10	11	12	Semester/.5	-
English Language Learning (Semester 2)	9	10	11	12	Semester/.5	-

ENGLISH COURSE DESCRIPTIONS

ENGLISH 1

Grade 9 (1.0 Credits)

Levels: 1-201100 , 2-202100, 3-203100, 3RFS-203105

This course focuses on the fundamentals of writing integrated with the study of the novel, drama, poetry, short story and nonfiction. Please note: Students enrolling in English 1 Level 3RFS must also enroll in the Grade 9 Reading Lab RFS for further skill development.

ENGLISH 2

Grade 10 (1.0 Credits)

Levels: 1-201200 , 2-202200, 3-203200, 3RFS-203205

This course focuses on reading, writing, speaking, listening, and vocabulary skills through the study of novels, plays, short stories, poems and nonfiction by representative American authors. Please note: Students enrolling in English 2 Level 3RFS must also enroll in the Grade 10 RFS reading lab for further skill development.

AP ENGLISH LANGUAGE AND COMPOSITION

Grade 11, 12 (1.0 Credits)

Level: AP-200340

Students in Advanced Placement English Language and Composition will study many forms of discourse. Assignments will emphasize the interpretation of texts, the examination of the methods of argumentation and composition. This course will prepare students for the Advanced Placement Language exam in May.

LANGUAGE AND LITERATURE

Grade 11,12 (1.0 Credits)

Levels: 2-202300, 3-203300

This course will focus on close reading of substantial texts and on extensive practice in responding to these texts. Students will write critical essays that state and support ideas. Vocabulary study, as well as a review of grammar and usage, will be included. Students are urged to take this course during their junior year. *Note: Students who have taken AP Literature are not eligible to take this course for credit.*

COMPOSITION

Grade 11,12 (0.5 Credits)

Levels: 2-202335, 3-203325

The emphasis of this course will be on the development of skills necessary to write well-organized, effective essays and research papers. This course is highly recommended for students preparing for college.

AP ENGLISH LITERATURE AND COMPOSITION

Grade 12 (1.0 Credits)

Level: AP-200440

Students in Advanced Placement English Literature and Composition will study works of poetry and fiction. Paying particular attention to specific passages of texts and works as a whole, students will develop their abilities to analyze interpret and write persuasively about substantial works of literature. This course will prepare students for the Advanced Placement Literature and Composition exam in May. *Students who took Language and Literature their junior year who are interested in pursuing an AP English credit, should register for Advanced Placement Language.*

INTRODUCTION TO PHILOSOPHY

Grade 11E,12 (1.0 Credits)

Level: 1-201300

This course will be organized as a seminar in which students will discuss different philosophers' viewpoints about such topics as art, the nature of good and evil, and the role of government. The course will include a history of philosophical thought from the early Greeks to the postmodern.

CONTEMPORARY FICTION

Grade 11,12 (0.5 Credits)

Level: 2-202320

Students in this course will study novels which deal with contemporary issues or which give a decidedly new perspective on events or the concept of the novel itself.

CREATIVE WRITING

Grade 11E,12 (0.5 Credits)

Level: 2-202325

This course is devoted almost entirely to the transformation of imaginative ideas into writing. Students will be introduced to various techniques used in the creation of several genres including the short story, the play, and the poem. Students will engage in peer editing as well as in critiquing the work of established writers.

THE DRAMATIC EXPERIENCE

Grade 11,12 (0.5 Credits)

Level: 2-202330

By reading and viewing significant works of classical and contemporary drama, students will widen their appreciation and understanding of the “dramatic experience,” in all its aspects from the script to the actors’ roles to various aspects of production. Much of the course will be devoted to closely examining and acting out scenes, giving presentations, and writing critical and comparative essays.

FAIRY TALES & FOLK LITERATURE

Grade 11,12 (0.5 Credits)

Level: 2-202340

Students in this course will study the literary form, the value and the psychological uses of fairy and folk tales and other examples of folk literature from around the world. They will compare multiple versions of classic tales in order to explore how variations in plot, setting and characterization shape meaning. They will also examine the fairy tale’s adaptation in children’s literature and film.

FILM AS LITERATURE

Grade 11E,12 (0.5 Credits)

Level: 2-202345

This course examines film as a form of literature, art, and the expression of human experience. Students will read novels, plays and short stories in order to compare them to film versions, learn the terminology of film and create their own film-related projects. The goal of this course is to encourage students to become more perceptive viewers of film.

SHORT STORY

Grade 11,12 (0.5 Credits)

Level: 2-202360

This course requires students to read, analyze, and discuss short stories written by traditional and contemporary authors. Throughout the study of short stories, students will continue to develop their reading and writing skills as they deepen their understanding of the distinctive nature of the short story genre.

WHAT HAPPENED IN/TO THE ‘60s

Grade 11,12 (1.0 Credits)

Level: 2-202370

Through a variety of media, students in this course will closely examine the changes which rocked America in the 1960s and the impact those changes have had since then.

TELEVISION PRODUCTION

Grade 11E,12 (1.0 Credits)

Level: 2-202365

This course will examine the issues and elements of producing television programming. Students will learn about television and have hands-on experience with television production. Time out of class will be required to complete individual and group assignments. *Please note: .5 credit in English and .5 credit in Technology.*

JOURNALISM 1

Grade 10E,11E,12 (1.0 Credits)

Level: 2-202210

This course focuses on the skills necessary for newspaper and desktop publishing. Students in the course are staff reporters for the school newspaper and will become familiar with the elements of writing effective news stories, editorials, and features in addition to studying layout, photojournalism, research and interviewing skills, the First Amendment and media ethics.

JOURNALISM 2

Grade 11E,12 (1.0 Credits)

Level: 2-202310

The skills mastered in Journalism 1 are applied to the laboratory work of publishing the school newspaper. Students will regularly use desktop publishing, digital cameras, and scanning techniques for layout and design. Students also function as an editorial board for the newspaper as well as copywriters. *Prerequisite: Journalism 1.*

JOURNALISM 3

Grade 12 (1.0 Credits)

Level: 2-202410

Students use their skills mastered in the previous two years of journalism to design and produce the school newspaper. They are the editors and have the responsibilities of organizing reporters, running ad campaigns, using desktop and scanning skills, and making final decisions about layout and format. *Prerequisite: Journalism 2.*

CONTEMPORARY YOUNG ADULT LITERATURE

Grade 11,12 (0.5 Credits)

Level: 3-203320

This literature course is designed to widen the experience of emerging readers by offering works of literature with high appeal to young adults. Course emphasis will be on increasing the student's critical reading skills such as comprehension, making connections to the text, developing interpretations, and understanding author's craft.

MYSTERY

Grade 11E,12 (0.5 Credits)

Level: 3-203330

In this course, students read, write about and discuss mystery stories, plays and novels from Edgar Allan Poe to Agatha Christie.

PERSONAL AND SOCIAL IDENTITY

Grade 11E,12 (0.5 Credits)

Level: 3-203335

Through the study of literature, students will explore their own identity, their relationships to family and friends, and their personal value system.

MASS MEDIA

Grade 11E,12 (0.5 Credits)

Level: 3-203350

This course is designed to develop an appreciation of the power of mass communication. Students will become familiar with and develop an understanding of the operation, purpose, and influence of various media. Study will focus on the scope, influence, and creative power of print media (newspapers, magazines, and books) and electronic media (television, film, radio, and the Internet).

READING LAB

Grade 9,10,11,12 (0.1-0.5 Credits)

1x-203151, 2x-203152, 3x-203153, 4x-203154, 5x-203155

The High School Reading Lab offers an opportunity for students to increase their reading skills as they work with various texts and computer programs on vocabulary, fluency and comprehension. Please note: Credits earned in this course do not count towards the required 4.0 credit English graduation requirement.

READING LAB RFS

Grade 9,10 (1.0 Credits)

Level: 3-RFS203110

This course is designed for students who are enrolled in Reading for Success (RFS) courses. Within the RFS reading lab, students will continue to build and develop the key reading strategies integral to their success in their high school courses. Reading Lab meets 1 to 5 times a week. Students will earn 1 elective credit for successful completion of Reading Lab. Grades for this course are Pass/Fail.

CRITICAL READING/COLLEGE PREP

Grade 9,10,11,12 (0.1-0.5 Credits)

1x-205151, 2x-205152, 3x-205153, 4x-205154, 5x-205155

In the High School Critical Reading/College Prep course students will be able to improve their reading and writing skills specifically for performance-based, interdisciplinary testing (CAPT/SAT). Within the course students will use various texts and computer programs as they participate in both individual and group instruction. Critical Reading/College Prep meets 1 to 5 times a week.. Please note: This course fulfills the requirements of students in need of a reading course to meet mastery on the Reading Performance Standard. Grades for this course are Pass/Fail.

READING SUPPORT CENTER

Grade 9,10,11,12 (0.1-0.5 Credits)

1x-205201, 2x-205202, 3x-205203, 4x-205204, 5x-205205

Students in need of additional reading support can be assigned to the Reading Support Center as an appropriate intervention.

ENGLISH LANGUAGE LEARNING

Grade 9,10,11,12 (0.5 Credits)

Level: 205100 Semester 1, 205105 Semester 2

The English Language Learning program is intended for students who are non-native speakers of English whose knowledge of English is limited. The program provides direct instruction in English to develop the necessary vocabulary and oral language skills for communication and comprehension in social and academic settings.

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.

Required Courses: 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.

Recommended 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.

Advanced Placement: The Mathematics Department offers two Advanced Placement Courses – Advanced Placement Calculus and Advanced Placement Statistics. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

GRADE 9 :

ALL students must enroll in an Algebra Course – Algebra II (for students who have taken Algebra in Eighth Grade) or Algebra I or IA.

GRADE 10

All students must enroll in a geometry course.

GRADE 11

Students who have completed Algebra II should enroll in Precalculus and/or AP Statistics. Students who have not completed Algebra II should enroll in either Algebra II or IB.

GRADE 12

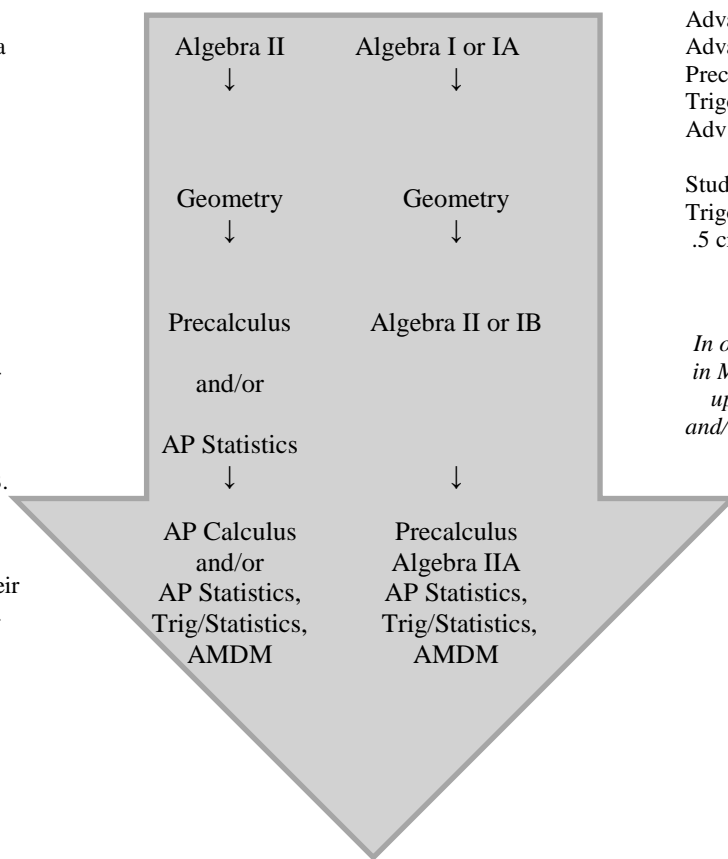
Students who have completed Precalculus should continue their math studies with AP Calculus. Students who have completed Algebra II should enroll in a math elective. Students who have completed Algebra IB should enroll in Algebra IIA.

MATHEMATICS ELECTIVES

Advanced Placement Calculus
Advanced Placement Statistics
Precalculus
Trigonometry and Statistics
Adv Math Decision Making (AMDM)

Students who have previously taken Trigonometry will only receive .5 credits for Precalculus.

In order to accelerate their sequence in Mathematics, students may double up with Geometry and Algebra II and/or enroll in summer courses when available.



College and Career Readiness

MATHEMATICS COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
	9	10	11	12		
Algebra IA	9	10			Full Year/1.0	3
Algebra IB			11	12	Full Year/1.0	3
Algebra I	9				Full Year/1.0	2
Algebra II	9		11		Full Year/1.0	1, 2
Algebra IIA			11	12	Full Year/1.0	3
Geometry		10	11		Full Year/1.0	1, 2, 3
Precalculus			11	12	Full Year/1.0 TGR	1, 2
Trigonometry			11	12	Semester/.5	2
Statistics with Probability			11	12	Semester/.5	2
AP Statistics			11	12	Full Year/1.0	AP
AP Calculus				12	Full Year/1.0	AP
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	9	10			Semester/.1-.5	-
Independent Study			11	12	Semester or Full	-

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

MATHEMATICS COURSE DESCRIPTIONS

ALGEBRA IA

Grade 9,10 (1.0 Credits)

Level: 3-403110

This is the first course of the two-year Algebra IA and Algebra IB program. Real-world problem solving situations are presented throughout the following topics: real numbers and number operations, solving, graphing and writing linear equations, and linear equations.

ALGEBRA IB

Grade 11,12 (1.0 Credits)

Level: 3-403205

This is the second course of the two-year Algebra IA and Algebra IB program. It will cover the following topics: solving systems of linear equations in two variables, working with the rules of powers and exponents, working with polynomials and factoring, and working with roots and radicals. *Prerequisite: Algebra IA AND completion of or enrollment in Geometry L3.*

ALGEBRA I

Grade 9 (1.0 Credits)

Level: 2-402100

Real-world situations are presented throughout the following topics: properties of real numbers, linear equations in one and two variables, the graph of a linear equation, the graph of a linear inequality, systems of linear equations in two variables, powers, polynomials, radicals, roots, and quadratic equations. This course is supported by an online problem solving program.

ALGEBRA II

Grade 9,11 (1.0 Credits)

Levels: 1-401105, 2-402105

This course extends the concepts developed in Algebra I. A challenging introduction to functions is included, followed by an in-depth study of the 1st and 2nd degree polynomial function. Also included are analytical geometry of straight lines, conic sections, determinants and real life problems. Graphing calculators are used to

enhance topics and concepts. *Prerequisite: 8th Grade Algebra OR completion of or enrollment in Geometry.*

ALGEBRA IIA

Grade 11,12 (1.0 Credits)

Level: 3-403305

This course extends the concepts in Algebra I, Algebra IA and Algebra IB. This course concentrates on different forms of polynomial functions and their real-world applications. There will be a further investigation into systems of equations, factoring, and radical/rational functions and expressions. *Prerequisite: Algebra IB and Geometry.*

GEOMETRY

Grade 10, 11 (1.0 Credits)

Levels: 1-401200, 2-402200, 3-403200

Geometry provides students with experiences that deepen their understanding of two and three dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. *Prerequisite: Algebra IA, I or, II.*

PRECALCULUS

Grade 11,12 (1.0 Credits)

Levels: 1-401300, 2-402300

Students will transform and investigate a wide variety of functions, including polynomial, rational, trigonometric, logarithmic and exponential functions. An introduction to sequences and series will transition naturally to calculus. Dynamic/cognitive software is used in homework and practice with seamless integration of math technology. *Prerequisite: Geometry and Algebra II.*

TRIGONOMETRY

Grade 11,12 (0.5 Credits)

Level: 2-402310

This course, which deals with applied trigonometric formulas rather than a purely theoretical approach, covers all the necessary topics which are on most college math placement tests. The course content includes trigonometric functions, identities, properties, applications and triangle problems. Because of similar course content, students who pass Trigonometry and later take Precalculus will only receive .5 credit after passing a full year of Level 1 or Level 2 Precalculus. *Prerequisite: Algebra II or IIA.*

STATISTICS WITH PROBABILITY

Grade 11,12 (0.5 Credits)

Level: 2-402315

This course begins with collection, organization, analysis and interpretation of raw data then introduces the student to probability theory, extending through permutations, combinations, and successive events. It then continues with an introduction of Distribution and Sampling Theory including measures and correlation. *Prerequisite: Algebra II or IIA.*

ADVANCED PLACEMENT STATISTICS

Grade 11,12 (1.0 Credits)

Level: AP-400300

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course is organized around four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inferences. Students will learn to effectively communicate solutions to open-ended problems using the appropriate statistical terminology, and will use the statistical functions on the TI-84 graphing calculator daily. *Prerequisite: Precalculus or Algebra II.*

ADVANCED PLACEMENT CALCULUS

Grade 12 (1.0 Credits)

Level: AP-400400

Advanced Placement Calculus is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasizes a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. The connections among these representations also are important. All topics on the AP Calculus AB exam are covered. *Prerequisite: Precalculus.*

CALCULUS

Grade 12 (1.0 Credits)

Level: 2-402400

This course will cover differential and integral calculus of polynomial, exponential and trigonometric functions. Both theory and application are included. *Prerequisite: Precalculus.*

ADV. MATHEMATICS DECISION MAKING

Grade 12 (1.0 Credits)

Level: 2-402405

Advanced Mathematics Decision Making (AMDM) is designed as a 12th grade alternative to Precalculus or as an elective to accompany or follow Precalculus. AMDM builds on, reinforces, and extends what students have learned and covers a range of mathematics topics. AMDM emphasizes statistics and finance and includes work on other numerical reasoning. The course offers student activities in a range of applied contexts and helps students develop college and career readiness skills including collaborative group work, presentations and use of technology. *Prerequisite: Algebra II.*

MATH LAB / PROBLEM SOLVING

Grade 11,12 (.1-.5 Credits)

1x-403151, 2x-403152, 3x-403153, 4x-403154, 5x-403155

Math Lab is an interactive course designed for students who have not met the Mathematics Graduation Requirement. The course stresses self-motivation and consistent application to improve math skills and problem-solving techniques. Instruction will involve both individual and small group discussions. Credits earned in this course do not count towards the required math graduation requirement.

SAT REVIEW

Grade 11,12 (.1-.5 Credits)

1x-405151, 2x-405152, 3x-405153, 4x-405154, 5x-405155

SAT Review is an interactive course designed for students who are preparing for the PSAT or SAT. The course stresses self-motivation and consistent application to improve math skills and problem-solving techniques. Students may elect to register for 1-5 days per week.

NUMERACY SUPPORT CENTER

Grade 9,10 (.1-.5 Credits)

1x-405201, 2x-405202, 3x-405203, 4x-405204, 5x-405205

Students can be assigned into the Numeracy Support Center as needed.

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.

Required Courses: All students are required to earn 3.0 credits of science.

Recommended Sequence: The Science Department recommends that students consult the chart below to determine the most appropriate course. Remember that all prerequisites listed in the course descriptions including minimum grade requirements and teacher recommendations must be met.

Advanced Placement: The Science Department offers four Advanced Placement Courses – Advanced Placement Biology, Advanced Placement Chemistry, Advanced Placement Environmental Science and Advanced Placement Physics B. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

GRADE 9 :

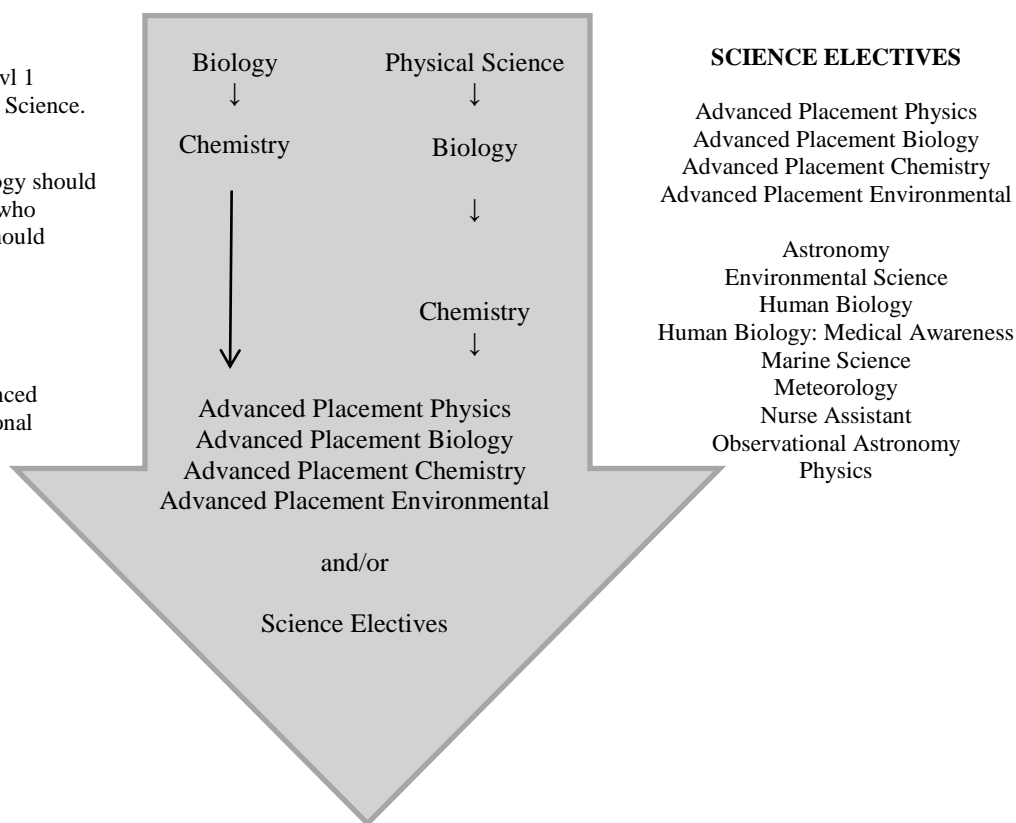
ALL students must enroll in Lvl 1 Biology or Lvl 2 or 3 Physical Science.

GRADE 10

Students who completed Biology should enroll in Chemistry. Students who completed Physical Science should enroll in Biology.

GRADE 11/12

Students should continue their course of study through Advanced Placement Courses and additional science electives.



College and Career Readiness

SCIENCE COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
Physical Science	9				Full Year/1.0	2, 3
Biology	9*	10			Full Year/1.0	1, 2, 3
Chemistry		10	11		Full Year/1.0	1, 2, 2B
Physics			11	12	Full Year/1.0	2
AP Chemistry			11	12	Full Year/1.4	AP
AP Biology			11	12	Full Year/1.4	AP
AP Environmental Science			11	12	Full Year/1.4	AP
AP Physics B			11	12	Full Year/1.4	AP
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
Environmental Science			11	12	Semester/.5	3
Observational Astronomy (JAF, only)			11	12	Semester/.5	3
Nurse Assistant			11	12	Full Year/1.0	2
Independent Study			11	12	Semester or Full	-

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

*Biology Level 1 open to incoming ninth graders based on CMT and 8th grade scores.

SCIENCE COURSE DESCRIPTIONS

PHYSICAL SCIENCE

Grade 9 (1.0 Credits)

Levels: 2-552100, 3-553100, 3-RFS553105

This course provides a foundation for biology, chemistry, physics and other science electives. Physical Science covers topics in inorganic and organic chemistry, electrical and thermal energy, energy transformations, biogeochemical cycles, and environmental science. Laboratory experiments and learning activities reinforce and extend a variety of science practices, encourage critical thinking, build on students' current scientific literacy and numeracy skills, and relate science to their everyday lives.

BIOLOGY

Grade 9,10 (1.0 Credits)

Levels: 1-551200, 2-552200, 3-553200, 3-RFS553205

This course studies the unity and diversity of all levels of life, from unicellular organisms to human systems. Topics such as cellular structure, chemical activities of cells,

genetics, evolution, taxonomy, living systems, environmental issues, and the recurring theme of structure and function are included. Learning activities and double laboratory periods are designed to stimulate and reinforce content information and to further develop scientific inquiry, literacy and numeracy skills. Please note: Biology Level 1 is the only level open to ninth grade students.

CHEMISTRY

Grade 10,11 (1.0 Credits)

Levels: 1-551400, 2-552400, 2B-552405

This comprehensive course studies the structure and properties of matter. Theoretical concepts such as atomic structure, quantum mechanics, and kinetic theory of gases are used to develop useful models. Other topics covered include bonding, chemical reactions, stoichiometry, gas laws, rates of reaction and properties of acids and bases. Double laboratory periods and learning activities place an emphasis on applying mathematical models and equations to further develop critical thinking skills. *Prerequisite: Biology AND Algebra I or II for Chemistry Levels 1 and 2. Biology AND Algebra IB, I, II or concurrently in Algebra II for Chemistry Level 2B.*

PHYSICS

Grade 11,12 (1.0 Credits)

Level: 2-552310

This course is for juniors and seniors who plan to attend college or nursing school. Topics covered include velocity and acceleration, forces, work and energy, momentum, rotational motion and gravitation, fluids, thermodynamics, waves and optics, and electromagnetism. This course is largely based on problem-solving and requires the use of algebra, geometry, and some trigonometry. Laboratory activities connect theory and application, and oral presentations allow students to demonstrate conceptual understanding. *Prerequisite: Chemistry and Algebra II.*

AP CHEMISTRY

Grade 11,12 (1.4 Credits)

Level: AP-550205

This course is for those highly motivated students who intend to major in science in college. It is a college-level chemistry course with emphasis placed on equilibrium bonding theory, stoichiometry, and individual lab work. *Prerequisite: Chemistry.*

AP BIOLOGY

Grade 11,12 (1.4 Credits)

Level: AP-550200

This course is for highly motivated 11th and 12th grade students who have a strong interest in biology or who wish to pursue careers in science, medicine, scientific research or teaching. An emphasis on laboratory work, research, and independent study provides students with the conceptual framework, factual knowledge and analytical skills necessary to deal with this rapidly changing science. *Prerequisite: Biology and Chemistry.*

AP ENVIRONMENTAL SCIENCE

Grade 11,12 (1.4 Credits)

Level: AP-550210

This course is designed to be the equivalent of a one-semester introductory college course. This course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. *Prerequisite: Biology and enrolled in or completion of Chemistry.*

AP PHYSICS B

Grade 11,12 (1.4 Credits)

Level: AP-550215

This course is for highly motivated 11th and 12th grade students who have a strong interest in science or who wish to pursue studies in science, engineering or other non-science college programs which have science requirements. AP Physics B rigorously covers topics in mechanics, electricity and magnetism, fluid mechanics and thermal physics, waves and optics, and atomic and nuclear physics. *Prerequisite: Chemistry and concurrently enrolled in or completion of Precalculus.*

HUMAN BIOLOGY

Grade 11,12 (1.0 Credits)

Level: 2-552325

This course teaches students the basic anatomy and physiology of the human body. It is a foundation for courses in allied health fields and gives students a basic understanding of the human body necessary for their everyday lives. Teaching methods will include lecture, class discussion, viewing audiovisual materials, dissection of selected mammalian organs and organisms, oral and written presentations of selected research topics, presentations and discussions of current issues related to human biology, and guest speakers. *Prerequisite: Biology.*

NURSE ASSISTANT

Grade 11,12 (1.0 Credits)

Level: 2-552300

This course is for students who are interested in finding immediate employment in the health occupations after graduation or who are planning to continue their education in nursing or other health occupations. Successful completion enables students to be eligible to take the state's Nurse Assistant licensing exam. A registered professional nurse will train students in specific routine, non-professional services for patients, including mouth and skin care, complete bed baths and perineal care as well as the safe transfer and transport of patients, including the use of safe body mechanics to prevent injury to their backs. Students learn transmission based and standard precautions related to exposure to blood and all bodily fluids. Besides regular classes, students will spend 12 days in clinical practice. Students may miss no more than 12 classes during the year and must provide their own transportation to the clinical site. Financial and other requirements must be met by the student. Visit the School Counseling department for a complete description. Any student who is suspended from school as a result of a physical altercation will be eliminated from the CNA program. *Prerequisites: Students must be sixteen to participate according to state guidelines.*

MARINE SCIENCE

Grade 11,12 (1.0 Credits)

Level: 2-552330

This course studies marine organisms and the physical and chemical aspects of the ocean environment. Marine Science will also deal with basic concepts in chemistry, physics, geology, and how they interact in both global and local marine ecosystems. The use of various testing and recording equipment, as well as in-depth studies done by students in different areas of interest is also included. Dissections and field studies in local environments are an essential part of the course. *Prerequisite: Biology.*

INTRODUCTION TO METEOROLOGY

Grade 11,12 (0.5 Credits)

Level: 2-552335

Topics covered in this course include solar and terrestrial radiation, Earth's atmospheric temperature profile, atmospheric pressure and circulation, atmospheric motion, cloud formation, precipitation, large-scale pressure systems, air masses and fronts, and significant weather phenomena including El Nino. An introduction to physical and regional climatology will also be covered. The class is designed to reinforce and extend a variety of science skills and to encourage problem solving and critical thinking. *Prerequisite: Biology.*

ASTRONOMY

Grade 11,12 (0.5 Credits)

Levels: 2-552320, 3-553320

Open to students in grades 11 and 12, this course includes investigations into the history of astronomical discoveries, the scale, structure and evolution of the Solar System, the classification and evolution of stars, the Milky Way Galaxy, the distribution of different galaxies, the Big Bang, and cosmology. Study of these topics will be facilitated through the use of both the planetarium and the observatory. *Prerequisite: Biology, Algebra I and Geometry for Level 2. Biology for Level 3.*

HUMAN BIO/MEDICAL AWARENESS

Grade 11,12 (0.5 Credits)

Level: 3-553325

Students in this course will learn human anatomy, physiology and medical terminology in order to be knowledgeable when they visit a physician for diagnosis and treatment of common diseases. This course is also beneficial for students who are interested in the Nurse Assistant program. Presentations by local health

professionals (nurses, doctors, physical therapists, etc.) is included. Students who have previously taken Human Biology are not eligible to take this course as similar content matter is covered.

ENVIRONMENTAL SCIENCE

Grade 11,12 (0.5 Credits)

Level: 3-553330

This course is a general introduction to the interactions which link all organisms to each other and to Earth itself. Fundamentals involving Earth structure, ecosystem balance and the uniqueness of life will provide students with opportunities to appreciate Earth's diversity. This course emphasizes knowledge of our biosphere in order to help students make informed decisions about environmental issues. Special concerns involving technology, economics, ethics and politics will also be included. Students who have previously taken Human Biology are not eligible to take this course for credit. *Prerequisite: Biology.*

OBSERVATIONAL ASTRONOMY (JAF, ONLY)

Grade 11,12 (0.5 Credits)

Level: 3-553345

In this course, students learn to identify constellations with the aid of the planetarium projector. In the observatory, students learn about the use of the telescope for observing both day and night skies. They also explore all aspects of observational astronomy including the moon, the sun, meteors, deep sky objects, and learn how to use star maps. This course is open to all students in grades 11 through 12 who have demonstrated ability in science and have an interest in astronomy. (Foran only)

SOCIAL STUDIES

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

The Social Studies Department offers a program for students to develop their understanding of how people govern themselves, how societies function to meet economic and social needs, and how culture, art, literature, and human behavior develop in society. Throughout the core and elective program, students are prepared for active, informed, participatory citizenship in their community, this country and in an interdependent world.

Required Courses: 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 earn a .5 credit in Civics and a .5 credit in Global Studies. 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.

Recommended Sequence: Please see below for the recommended sequence within Social Studies.

Advanced Placement: The Social Studies Department offers four Advanced Placement Courses – Advanced Placement US History, Advanced Placement Macroeconomics, Advanced Placement European History, and Advanced Placement US Government and Politics. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

GRADE 9 :

ALL students must enroll in Modern World History.

GRADE 10

ALL students must enroll in Survey of 20th Century America. Students may additionally enroll in AP Government.

GRADE 11/12

Students must fulfill their global and civics requirements through Advanced Placement or other global studies and civics elective courses.

Modern World History



Survey of 20th Century America

and

Advanced Placement
US Government and Politics



Advanced Placement European History
Advanced Placement US History
Advanced Placement Macroeconomics
Advanced Placement US Gov't and Politics
and/or
Civics and Global Electives
and/or
Social Studies Electives

SOCIAL STUDIES ELECTIVES

Civics Electives

AP Government and Politics
Civics
Youth and Government

Global Studies Electives

AP European
Global Community 1
Global Community 2

ELECTIVES

Advanced Placement US History
Advanced Placement Macroeconomics
Ancient History
Anthropology
Crime and Violence
Economics

College and Career Readiness

SOCIAL STUDIES COURSES

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

SOCIAL STUDIES COURSE DESCRIPTIONS

MODERN WORLD HISTORY

Grade 9 (1.0 Credits)
Levels: 1-601100, 2-602100, 3-603100, 3-RFS603105

This ninth grade course focuses on world events from 1450 to the present, with special emphasis on the growth of the political, economic, and social institutions of Europe and to the relationship of past events to current situations.

SURVEY 20th CENTURY AMERICA

Grade 10 (1.0 Credits)
Levels: 1-601200, 2-602200, 3-603200, 3-RFS603205

Students will examine opposing viewpoints as they reflect major topics in modern American history. Areas of study include industrialism, overseas expansion, the Progressive Movement, World War I, the 1920s, the Depression, the New Deal, World War II, and U.S. foreign and domestic policies since 1945, including the Cold War, Korea, Vietnam, the Civil Rights Movement, and the post-Cold War era. Successful completion of this course is required for graduation. *Prerequisite: Modern World History.*

CIVICS AND AMERICAN GOVERNMENT

Grade 10,11,12 (0.5 Credits)
Levels: 2-602210, 3-603210

Civics will provide a comprehensive background for the understanding of United States citizenship and the foundations and operation of American government. Students will apply this understanding to current event topics relevant to our nation and election issues. This course will emphasize civic participation by the students. Successful completion of this course is required for graduation. *Prerequisite: Survey of 20th Century America.*

YOUTH AND GOVERNMENT

Grade 10,11,12 (0.5 Credits)
Levels: 1-601220, 2-602220

This course will blend the elements of civics and law-making and will incorporate the requirements of the YMCA Youth and Government program into the structure of learning. During this semester-long course, students will examine the three branches of state and federal government, the bill and law making process, the role and importance of state and local governments in the daily lives of our citizens. Students will develop debate and

utilize oral argument skills through the use of various mock trial simulations. As a culminating activity, participants will have the option to join the YMCA Youth and Government state convention, held in March, where they will experience a hands-on and comprehensive approach to learning about the structure and function of our state government. This course meets the Civics requirement. This course should not be taken concurrently with Civics. *Prerequisite: Survey of 20th Century America.*

AP GOVERNMENT AND POLITICS

Grade 10,11,12 (1.0 Credits)

Level: AP-600200

The Advanced Placement course in Government and Politics is intended for students interested in developing an analytical perspective on the United States government and politics. This course examines the various institutions, groups, ideologies, and beliefs, but most importantly, the ideas that constitute U.S. government and politics. Topics include the constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties, interest groups, mass media, institutions of national, state and local government, public policy, civil rights and civil liberties. *Prerequisite: Modern World History.*

ISSUES IN CIVICS & GLOBAL COMMUNITY

Grade 11 (1.0 Credits)

Level: 3-603215

First semester outlines the basic duties and responsibilities of an American citizen, including our system of laws and their application, the structure of government, and the role that citizenship and civics play in the world today. Second semester is a survey of global cultures with an emphasis on the interaction, development, and involvement in global events by these cultures. Content based readings will be used throughout to reinforce and build on the effective use of independent reading strategies and skills. Successful completion of this course will fulfill both the Civics and Global Social Studies requirements. *Prerequisite: Modern World History and Survey of 20th Century America.*

HISTORY CRIME & VIOLENCE

Grade 11,12 (0.5 Credits)

Levels: 2-602310, 3-603310

Students will examine the history of American crime and violence and its nature and causes. Questions regarding the criminal justice system will be discussed. This course aims to cause students to re-examine their present attitudes about themselves and society and the degree to which violence permeates American life. Topics studied include

gun control, organized crime and rape as well as capital and other punishments.

ANCIENT HISTORY

Grade 11,12 (0.5 Credits)

Levels: 2-602335, 3-603335

The culture, progress and achievements of the early river civilizations of Egypt and Mesopotamia will be studied in depth. The ancient Greek and Roman societies will also be stressed, with emphasis placed on their contributions to modern man.

ANTHROPOLOGY

Grade 11,12 (0.5 Credits)

Level: 2-602340

Anthropology studies the contemporary theories of the origins of man, with emphasis placed on both physical and cultural development. Comparative analysis of modern cultures will also be presented.

ECONOMICS

Grade 11,12 (0.5 Credits)

Levels: 2-602350, 3-602355

This course will present an overview of American and world economics, focusing on the following topics: economic systems, supply and demand, the measurement and causes of growth, employment, price stability, the securities market and international trade.

AP MACROECONOMICS

Grade 11,12 (1.0 Credits)

Level: AP-600305

This course includes a thorough study of the major features of the American economy. Such macroeconomic topics as GDP, the business cycle, monetary and fiscal policy, the banking system, international trade, budgets and taxes will be carefully considered. *Prerequisites: Modern World History and Survey of 20th Century America.*

AP AMERICAN HISTORY

Grade 11,12 (1.0 Credits)

Level: AP-600300

Students in this course will develop a variety of analytical skills as well as increasing their factual knowledge of American history. The course provides a broad overview of the entire scope of American history with a close examination of certain periods with heavy emphasis on

primary sources, court decisions, conflicting viewpoints on historical questions and the interpretations of various American historians. *Prerequisites: Modern World History and Survey of 20th Century America.*

AP EUROPEAN HISTORY

Grade 11,12 (1.0 Credits)

Level: AP-600310

This course exposes students to a variety of analytical skills as well as factual knowledge of European history. The course will provide a broad overview of European history and cultures from the 1450s to the present. There will be emphasis on primary sources, historical research, conflicting viewpoints on historical questions and historical interpretations of major events and figures. *Prerequisites: Modern World History and Survey of 20th Century America.*

THE GLOBAL COMMUNITY 1

Grade 11,12 (0.5 Credits)

Levels: 2-602300, 3-603300

The Global Community 1 course will explore major interrelated themes that drive various foreign nations as they position themselves globally. An understanding of world religion, world geography, differing forms of governments, civil rights issues and individual aspects of culture will help students gain a richer understanding of the world climate. Students will be able to understand the changing world from various perspectives, analyze current world situations, and compare and contrast nations around the world. The Global Community 1 will expose students to major themes throughout the world, helping them formulate a comparative understanding amongst various cultures and nations. This course will meet the global requirement.

THE GLOBAL COMMUNITY 2

Grade 11,12 (0.5 Credits)

Levels: 2-602305, 3-603305

The Global Community 2 course will continue to explore major interrelated themes that help define a nation and the position it will take in the global community. Students will explore the economic influence both within the country and the effect the country has globally. The use and adaptation of the environment, technology and industrialization will also be studied to give students a perspective on the interdependence of each nation. Turmoil will also be explored as conflict; terrorism and violence have also been influential in shaping different global position of nations. Conflict, terrorism and violence will also be explored as influential forces which shape global perspectives and positions.

WORLD LANGUAGES

Students in World Languages will acquire meaningful skills that are grounded in an understanding that language acquisition makes them active participants in our global community.

The World Languages Department provides students with opportunities 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 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.

Recommended Sequence: 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. 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.*

Advanced Placement: The World Languages Department offers two Advanced Placement Courses – Advanced Placement Latin Vergil and Advanced Placement Spanish Language. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

WORLD LANGUAGES COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
French 1	9	10	11	12	Full Year/1.0	1, 2
French 2		10	11	12	Full Year/1.0	1, 2
French 3			11	12	Full Year/1.0	1, 2
French 4			11	12	Full Year/1.0	1, 2
Latin 1	9	10	11	12	Full Year/1.0	1, 2
Latin 2		10	11	12	Full Year/1.0	1, 2
Latin 3			11	12	Full Year/1.0	1, 2
Latin 4			11	12	Full Year/1.0	2
AP Latin Vergil			11	12	Full Year/1.0	AP
Spanish 1	9	10	11	12	Full Year/1.0	2
Spanish 1B	9				Full Year/1.0	2
Spanish 2	9	10	11	12	Full Year/1.0	1, 2
Spanish 3		10	11	12	Full Year/1.0	1, 2, 3
Spanish 4			11	12	Full Year/1.0	1, 2, 3
AP Spanish Language			11	12	Full Year/1.0	AP
Spanish 5			11	12	Full Year/1.0	2, 3
Independent Study			11	12	Semester or Full Year	-

WORLD LANGUAGES COURSE DESCRIPTIONS

FRENCH 1

Grade 9,10,11,12 (1.0 Credits)

Levels: 1-751100, 2-752100

Basic French language patterns and vocabulary are studied through listening, speaking, reading and writing.

Language acquisition is fostered through the study of the French-speaking countries' culture and history. Student evaluation is reflected through activities and assessments such as traditional tests and quizzes, as well as, speaking and listening exercises and projects.

FRENCH 2

Grade 10,11,12 (1.0 Credits)

Levels: 1-751200, 2-752200

This course is a continuation of the development of listening, speaking, reading, and writing skills in French. French culture is introduced and elaborated upon through different mediums including games, media, adapted readings, and class discussions. Active participation in the target language and engagement in lessons and activities are required. *Prerequisite: French 1.*

FRENCH 3

Grade 11,12 (1.0 Credits)

Levels: 1-751300, 2-752300

French 3 continues to explore, expand upon, advance, and sharpen students' listening, speaking, reading, and writing skills. Students continue to demonstrate their ability to communicate in French through various contexts to achieve higher degrees of language comprehension and proficiency. Although listening and speaking skills are still practiced, writing and reading skills are emphasized at this level of language acquisition. Students will creatively produce different publications and media using the target language. *Prerequisite: French 2.*

FRENCH 4

Grade 11,12 (1.0 Credits)

Levels: 1-751400, 2-752400

The French 4 course continues to focus on and explore the four language skills: reading, writing, listening, and speaking. These skills will be further refined, sharpened and expanded upon in this course. Students at this level are expected to work more independently, achieve higher levels of language acquisition, and communicate with more fluency on a variety of topics. Aspects of daily

Francophone customs, traditions, and culture support the language instruction. *Prerequisite: French 3.*

LATIN 1

Grade 9,10,11,12 (1.0 Credits)

Levels: 1-751120, 2-752120

Students will begin to read and understand Latin structures and vocabulary through a variety of cultural readings, prompts, and historical contexts. Students will increase their capacities with English words derived from Latin. Assessments at this level reflect in-depth language acquisition and acute awareness of the complexities of grammar and syntax. Students are expected to achieve a higher degree of language usages and comprehension, in addition to, the ability to make cultural contrasts and connections in broader terms.

LATIN 2

Grade 10,11,12 (1.0 Credits)

Levels: 1-751220, 2-752220

Students continue with their study of Latin grammar and vocabulary, Roman history, and ancient civilization began in Latin 1. Students continue to practice and acquire knowledge of the Latin verb systems with a higher degree of accuracy and mastery including: the indicative, infinitive, and participle reflections. Their acquaintance with nouns, pronouns, and adjectives of all declensions will also be completed. Stories and legends of historical Rome and Greek mythology will be explored.

Prerequisite: Latin 1.

LATIN 3

Grade 11,12 (1.0 Credits)

Levels: 1-751320, 2-752320

In Latin 3, students will continue to study and increase their grammatical knowledge and skills in reading Latin, as well as, discovering English words derived from Latin. Students are expected to have a higher degree of vocabulary mastery than that which is presented in the book. Students will also be expected to read at a faster pace, to achieve a higher degree of comprehension, and to communicate cultural materials in broader terms.

Assessment at this level reflects a more in-depth language acquisition and an acute awareness of the complexities of grammar and syntax. *Prerequisite: Latin 2.*

LATIN 4

Grade 11,12 (1.0 Credits)

Level: 2-752420

Students will explore Roman literature by studying the writings of renowned Roman authors. Through the study of these important works, students will also gain insight into the rich culture of the ancient Roman world.

Concurrently, students expand and refine their skills with Latin grammar. Students will also apply their skills with Latin vocabulary and English derivatives to enhance their comprehension of both Latin and English. *Prerequisite: Latin 3.*

AP LATIN: VERGIL

Grade 11,12 (1.0 Credits)

Level: AP-750420

In AP Latin, students will study Vergil as they translate Latin into English exploring meaning and style as well as grammatical structures and vocabulary. They will study literary techniques and of poetic meters when appropriate as well as study of the cultural, social, and political context of the literature on the syllabus. *Prerequisite: Latin 3.*

SPANISH 1

Grade 9,10,11,12 (1.0 Credits)

Level: 2-752140

This introductory Spanish course is designed for students with little or no previous knowledge of the language. This course engages students in learning basic language structures, patterns, and vocabulary. The focus is on all four language skills including: listening, speaking, reading, and writing. Culture is an integral part of the course and is introduced in context through media, interactive activities, and class discussion. Students will be assessed by a variety of means including: tests, quizzes, speaking and listening prompts, homework assignments, projects and presentations, and other teacher activities. Active participation in the target language is required and reinforces the students' abilities to communicate in Spanish.

SPANISH 1B

Grade 9 (1.0 Credits)

Level: 2-752145

This introductory Spanish course is designed for students with little or no previous knowledge of the language. This course engages students in learning basic language structures, patterns, and vocabulary. The focus is on all four language skills including: listening, speaking,

reading, and writing. Culture is an integral part of the course and is introduced in context through media, interactive activities, and class discussion. Students will be assessed by a variety of means including: tests, quizzes, speaking and listening prompts, homework assignments, projects and presentations, and other teacher activities. Active participation in the target language is required and reinforces the students' abilities to communicate in Spanish.

SPANISH 2

Grade 9,10,11,12 (1.0 Credits)

Levels: 1-751240, 2-752240

In Spanish 2, students continue to develop and improve upon their listening, speaking, reading, and writing skills in Spanish. Emphasis is placed on comprehension and production of the Spanish language through a variety of activities incorporating Spanish vocabulary and structures. In addition to traditional assessments, students are assessed in a variety of formats including: oral reports and dialogues, presentations, written compositions, and other teacher assignments. Students are expected to participate using the target language. *Prerequisite: Eighth Grade Spanish OR Spanish 1.*

SPANISH 3

Grade 10,11,12 (1.0 Credits)

Levels: 1-751340, 2-752340, 3-753340

Students continue to develop and increase their language acquisition in Spanish through the study of language structures in cultural and historical contexts. Students will be engaged in a study of language structures and vocabulary through reading, listening, speaking, and writing activities. Aspects of contemporary Spanish and Hispanic cultures are emphasized in this class. Students will be assessed using a variety of methods including: oral and written tests and quizzes, classroom discussions and interactive activities, oral/aural assignments, presentations, dialogues, short compositions, and other displays. Students are expected to participate using the target language. *Prerequisite: Spanish 2.*

SPANISH 4

Grade 11,12 (1.0 Credits)

Levels: 1-751440, 2-752440, 3-753440

The Spanish 4 course engages students in further developing, improving, and refining their listening, speaking, reading, and writing skills. Emphasis continues on aural skills with additional focuses on reading, writing, and speaking in the target language. Students engage in multiple opportunities to demonstrate their proficiency in Spanish in different contexts. Aspects of contemporary Spanish/Hispanic culture are emphasized through cultural

readings, media, interactive activities, and class discussions. Assessment of student performance is through: written tests and quizzes, oral activities, projects, listening activities, dialogues, presentations, short compositions, and other displays. Pre-AP and SAT II activities are integrated into the curriculum to better prepare students for the next course.

Prerequisite: Spanish 3.

AP SPANISH LANGUAGE

Grade 11,12 (1.0 Credits)

Level: AP-750550

The AP Spanish Language course is a program that strives to develop a higher level of proficiency in all four language skills including: reading, writing, listening, and speaking. This course is comparable to a university course and also prepares students for the AP examination in May.

Prerequisite: Spanish 4.

SPANISH 5

Grade 11,12 (1.0 Credits)

Levels: 2-752540, 3-753540

This course will continue to fine-tune students' skills of listening, speaking, reading, and writing while exploring Spain and Latin America. This course also enables students to use previously mastered material on a daily basis as they read and speak about a variety of topics and literature. Students will be assessed using a variety of methods including: oral/aural assignments, presentations, dialogues, short compositions, and other displays. Students are expected to participate using the target language. *Prerequisite: Spanish 4.*

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. 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 I in their freshman year and PE II or IIB in their sophomore year.

PHYSICAL EDUCATION COURSES

COURSE TITLE	GRADE OFFERED			CREDIT(S)	LEVEL(S)	
Physical Education I	9			Semester/.5	3	
Physical Education II, IIB		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.

Please note: 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.

PHYSICAL EDUCATION COURSE DESCRIPTIONS

PHYSICAL EDUCATION I

Grade 9,10 (0.5 Credits)
Level: 3-503100

This integrated program is designed to help each student achieve and maintain a healthy level of overall fitness for a lifetime. Starting with a baseline measurement of their own levels of fitness, students will then focus on a variety of physical and health related activities.

PHYSICAL EDUCATION II

Grade 10,11,12 (0.5 Credits)
Level: 3-503200

This course is designed to build upon the general principles and practices from Physical Education I as they continue to explore and develop an understanding of lifetime fitness. *Prerequisite: Physical Education I.*

PHYSICAL EDUCATION IIB

Grade 10,11,12 (0.5 Credits)
Level: 3-503300

Fitness and Wellness Training is designed for students who are interested in physical activity through fitness

training and weight training. The course will allow students to perform, on a more regular basis, in the fitness room concentrating on muscular endurance, muscular strength, cardiovascular endurance and flexibility. *Prerequisite: Physical Education I.*

PHYSICAL EDUCATION ELECTIVE

Grade 10,11,12 (0.5 Credits)
Level: 3-503205

This elective class is offered for those students who desire an additional physical education course. Students who have fulfilled all their other elective requirements may take this class a second time. *Prerequisite: Physical Education II or IIB.*

PEER ASSISTIVE PHYSICAL EDUCATION*

Grade 10,11,12 (0.5 Credits)
Level: 2-502310

In this program co-teachers and peer teachers will work alongside students needing assistive physical education. This course will provide valuable teaching experiences to students interested in pursuing a career in teaching, physical/occupational therapy, and any other related health field. *Prerequisite: Physical Education II or IIB.*

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 successfully complete Health Education in addition to the grade 10, 11, and 12 Substance Abuse Prevention Education programs. The Substance Abuse programs are 17 session courses which will be added into all schedules over the summer. Students taking What's New in Health meet the Substance Abuse Prevention Education requirement for the year in which they are enrolled.

HEALTH COURSES

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

HEALTH COURSE DESCRIPTIONS

HEALTH EDUCATION 1

Grade 9, 10 (0.5 Credits)
 Level: 3-303100

The goal of this course is to promote an individual's capacity to obtain, interpret and understand basic health information and services and use such information and services in ways that promote his/her health and wellness and the community in which they live. Topics will include, but will not be limited to, substance abuse prevention, nutrition, informed decision-making and refusal skills, human growth and development, disease prevention, life-skills for social and emotional growth, and mandated AIDS education lessons.

WHAT'S NEW IN HEALTH?

Grade 10,11,12 (0.5 Credits)
 Level: 2-302200

What's new in health? Students answer this question as they learn how to reduce stress, save lives and prevent disease. This course will explore current issues in health,

review decision-making and goal-setting skills, develop life-skills for social and emotional growth, and review and reinforce concepts of healthy living. This course satisfies the requirement for Substance Abuse Prevention Education for the student's grade level. *Prerequisite: Health Education.*

SUBSTANCE ABUSE PREVENTION EDUCATION

Grade 10,11,12 (0.1 Credits)
 Levels: 3-305200, 3-305300, 3-305400

This series of courses, required of grade 10, 11, and 12 students, emphasizes the legal, social and economic consequences of drug abuse. Students will examine the impact of the surge of drug-related crimes and to explore the seriousness of this threat to our society in terms of cost to the taxpayer, premature deaths and unfulfilled ambitions. Students will be encouraged to continue their efforts in resisting misuse and abuse of any drugs and behaving responsibly as they assume new roles in society. These courses will include mandated information about AIDS.

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.

Please note: Special Education courses do not have levels and are not included in class rank.

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

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

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.

Success English 1 - 4	9	10	11	12	Semester/.5
Success Math 1 - 4	9	10	11	12	Semester/.5
Success Social Studies 1 - 4	9	10	11	12	Semester/.5
Success Science 1 - 4	9	10	11	12	Semester/.5
Success Personal Development 1 - 4	9	10	11	12	Semester/.5

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.

Life Skills English 1 - 4	9	10	11	12	Full Year/1.0
Life Skills Math 1 – 4	9	10	11	12	Full Year/1.0 <i>TGR in LS Math 4</i>
Life Skills Social Studies	9	10	11	12	Full Year/1.0
Life Skills Science	9	10	11	12	Full Year/1.0
Life Skills Personal Development 1 - 4	9	10	11	12	Full Year/1.0
Life Skills	9	10	11	12	Semester/.5
Life Skills/Academy		10	11	12	Semester/.5
Life Skills/Academy				12+	Semester/.5

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

The Learning Centers at Foran and Law offer students specially designed instruction in the areas of literacy, numeracy, and/or executive functioning based on the recommendation of their Planning and Placement Teams. Students attend the Learning Centers between one and five days per week depending on their needs. Learning Center grades are pass/fail.

Literacy Learning Center	9	10	11	12	Semester/ .1 - .5
Numeracy Learning Center	9	10	11	12	Semester/ .1 - .5
Executive Functioning Learning Center	9	10	11	12	Semester/ .1 - .5
Traditional Learning Center	9	10	11	12	Semester/ .1 - .5

CAREER AND TECHNICAL EDUCATION

BUSINESS EDUCATION

Students in Business 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 Word Processing, Microsoft Skills, and Personal Finance. Courses in Accounting, Marketing, Entrepreneurship and Business Law are highly recommended to students considering business-related college programs and careers.

BUSINESS EDUCATION COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
Word Processing	9	10	11	12	Semester/0.5	3
Advanced Word Processing	9	10	11	12	Semester/0.5 TGR	3
Word Processing (No Grade Pts.)		10	11	12	Semester/0.5	-
Introduction to Business	9	10	11	12	Semester/0.5	2
Personal Finance	9	10	11	12	Semester/0.5	2
Accounting		10	11	12	Full Year/1.0 TGR	2
Microsoft Skills	9	10	11	12	Semester/0.5 TGR	2
Marketing & Management		10	11	12	Full Year/1.0	2
Business Law		10	11	12	Semester/0.5	2
Entrepreneurship			11	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.

BUSINESS EDUCATION COURSE DESCRIPTIONS

WORD PROCESSING

Grade 9,10,11,12 (0.5 Credits)

Level: 3-153100 No Grade Point-155200

This course is designed to introduce students to proper keyboarding skills and techniques as well as the fundamentals of word processing.

ADVANCED WORD PROCESSING

Grade 9,10,11,12 (0.5 Credits)

Level: 3-153105

This course reinforces and refines the skills and techniques learned in Word Processing. Using Windows, Microsoft

Word and other skill-building software, students enhance their speed and accuracy skills while developing a working knowledge of the features of MS Word. The use of real-life projects and workplace activities provides an opportunity for students to develop the foundations for a marketable skill. *Prerequisite: Word Processing.*

INTRODUCTION TO BUSINESS

Grade 9,10,11,12 (0.5 Credits)

Level: 2-152110

This course develops an overview of the business world while introducing students to economics, technology, consumerism, owning and operating a business, throughout the course, students will also explore various business careers. Recommended for all students in their

personal and business lives, this course also provides a background for the study of other business subjects.

PERSONAL FINANCE

Grade 9,10,11,12 (0.5 Credits)

Level: 2-152200

This course focuses on one's personal finances and ability to manage money wisely in today's world. Students will learn about money management, banking and credit, consumer strategies and investing fundamentals, as well as about taxes and insurance. These topics will help students learn to make good financial decisions.

ACCOUNTING

Grade 10,11,12 (1.0 Credits)

Level: 2-152205

Accounting offers the skills and background knowledge necessary for keeping financial records in a small business as it deals with the complete accounting cycle and promotes understanding of day-to-day business operations. Accounting is recommended for students contemplating the college-level study of business or accounting or for anyone pursuing a career in business. Accounting fulfills one year of the mathematics graduation requirement OR the vocational/arts requirement.

MICROSOFT SKILLS

Grade 9,10,11,12 (0.5 Credits)

Level: 2-152210

Most colleges and universities expect students to have a working knowledge of the programs in Microsoft Office suite. This course will provide students with a working understanding of Microsoft's Word, Excel, Access and PowerPoint. *Prerequisite: basic word processing skills.*

MARKETING & MANAGEMENT

Grade 10,11,12 (1.0 Credits)

Level: 2-152215

This exploratory course covers target marketing, new product development, product distribution, pricing, selling and sales promotion, merchandise displays, advertising, and the economics of marketing. The course culminates in the production of a professional Marketing Plan. Students in Marketing are qualified to work in the school store and advance to Retail Marketing.

BUSINESS LAW

Grade 10,11,12

(0.5 Credits)

Level: 2-152220

Business Law provides students with an opportunity to study the legal rights and responsibilities with which they will be concerned in their personal and professional business dealings in the future. Specific topics include the nature and purpose of law, rights and duties of minors, law of contracts, marriage/divorce, and employment.

ENTREPRENEURSHIP

Grade 11,12

(0.5 Credits)

Level: 2-152305

This semester course is for students who wish to explore the different aspects of business ownership. The major focus of this course is the development of a professional Business Plan that could be successfully executed in the real world. Since the Business Plan encompasses all phases of a business, each phase will be studied individually as well as collectively. When appropriate the course is enhanced by motivational speakers and field trips.

SPORTS AND ENTERTAINMENT MARKETING

Grade 11,12

(0.5 Credits)

Level: 2-152300

Billions of dollars are spent each year on sports and other forms of entertainment. This service area is a growing area which employs athletes, musicians, stage crew, advertising agents, promotion agents, personal attendants, sports agents, event planners, and numerous other related professionals. The purpose of this course is to provide students with fundamental principles and concepts identified with sports and entertainment marketing while developing their critical thinking skills and decision making skills through the application of marketing principles in these industries.

RETAIL MARKETING: SCHOOL STORE

Grade 11,12

(1.0 or 0.5 Credits)

Level: 2-152400 (1.0 credits) 2-152405 (0.5 Credits)

The Retail Marketing: School Store experience gives students the opportunity to receive hands-on training in an actual retail setting. Merchandise display, accounting, advertising and sales promotion are only a few of the topics that will be covered. All students who take this class are automatically members of DECA and participate in the state DECA convention. Students must also work in the school store during a free period to get the full retail experience. *Prerequisite: Marketing and Management or Sports Marketing.*

CAREER AND TECHNICAL EDUCATION

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.

FAMILY AND CONSUMER SCIENCE COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
Exploring Food and Nutrition	9	10	11	12	Semester/.5	2
Cooking for Healthy Living	9	10	11	12	Semester/.5 TGR	2
Food Services			11	12	Full Year/1.0	2
Interior Design	9	10	11	12	Semester/.5	2
Child Development 1	9	10	11	12	Semester/.5	2
Child Development 2	9	10	11	12	Semester/.5 TGR	2
Child Care Lab		10	11	12	Semester/.5	2
Lab Assistant			11	12	Semester/.5 TGR	2
Contemporary Living Skills			11	12	Full Year/1.0 TGR	2
Independent Study			11	12	Semester or Full Year	--

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

FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTIONS

EXPLORING FOOD AND NUTRITION

Grade 9,10,11,12 (0.5 Credits)

Level: 2-252100

This course is an introduction to basic culinary skills including safety and sanitation, accurate measuring, recipe adjustments and food preparation techniques. Students will work in teams in the food laboratory to gain practical experience preparing a variety of food products.

COOKING FOR HEALTHY LIVING

Grade 9,10,11,12 (0.5 Credits)

Level: 2-252105

This course focuses on nutrition and food preparation for a lifetime of healthy living. Students will evaluate their diets and identify strategies for improving their nutritional

intake while mastering the skills necessary to plan and prepare delicious, well-balanced meals. *Prerequisite: Exploring Food and Nutrition.*

FOOD SERVICES

Grade 11,12 (1.0 Credits)

Level: 2-252315

This course offers students additional experiences in the nutritional and consumer aspects of foods and their preparation. The focus will be on standards set by the food service industry as students prepare a variety of products to sell to staff. *Prerequisite: Exploring Food and Nutrition.*

INTERIOR DESIGN

Grade 9,10,11,12 (0.5 Credits)

Level: 2-252110

Do you have a flair for color and design? Enjoy redecorating your room? Interested in careers in interior design? Well, this is your class! In this course, students will explore the basics of interior design and learn about floor plans, various furniture styles, flooring options and window treatments. Students will create professional design boards to demonstrate their learning.

CHILD DEVELOPMENT 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-252200

This course introduces students to the physical, intellectual, emotional and social growth of children from birth through the preschool years, including parenting skills and their effect on a child's development. All students will observe children in the Child Learning Center. Child Development is especially valuable for students interested in careers in teaching, medicine, speech pathology, sociology, psychology, early childhood education and child care.

CHILD DEVELOPMENT 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-252205

In the second child development course, students study the developing child from ages 1-6. Students study the importance of play, the stages of development, and the significance of the multiple influences of home, community, and child care on the behaviors of a child in the early years. *Prerequisite: Child Development 1.*

CHILD CARE LAB

Grade 10,11,12 (0.5 Credits)

Level: 2-252300

Students will have the opportunity to work under supervision with 3- to 5-year-old children in the Child Learning Centers. Each student will be responsible for planning and directing activities in all forms of play including art, music, science and language development. *Prerequisite: Child Development 1 and 2.*

LAB ASSISTANT

Grade 11,12 (0.5 Credits)

Level: 2-252305

Working under the supervision of the teacher, students will plan, schedule and follow through on daily routines in the Child Learning Center in a managerial capacity. *Prerequisite: Child Development 1 and 2.*

CONTEMPORARY LIVING SKILLS

Grade 11,12 (1.0 Credits)

Level: 2-252310

In this course students will have the opportunity to develop many of the tools they need to develop and maintain strong, healthy interpersonal and work/career relationships. Students will also focus on understanding their goals, values, decision-making and communication skills as well as challenges associated with living on their own including money management, apartment living, establishing a home, and balancing work and family life.

CAREER AND TECHNICAL EDUCATION

TECHNOLOGY, ENGINEERING AND COMMUNICATION (TEC)

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

The Technology, Engineering and Communication (TEC) 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. TEC courses will help prepare students to enter the work force directly after graduation or to enter college or technical schools. Students interested in a career in TEC should consult the chart in this section, indicating the recommended course sequence for specific fields.

TEC COURSE DESCRIPTIONS

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
	9	10	11	12		
Foundations of Technology	9				Semester/.5	2
Drafting Technology 1A	9	10	11	12	Semester/.5	2
Drafting Technology 1B	9	10	11	12	Semester/.5 TGR	2
Drafting Technology 2		10	11	12	Full Year/1.0 TGR	2
Drafting Technology 3			11	12	Full Year/1.0	2
Materials Processing 1	9	10	11	12	Semester/.5	2
Materials Processing 2	9	10	11	12	Semester/.5	2
Materials Processing 3		10	11	12	Full Year/1.0	2
Power Technology 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 TGR	2
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	9	10	11	12	Semester/.5 TGR	2
Television Production			11	12	Full Year/1.0 TGR	2
Technology for the 21 st Century			11	12	Semester/.5	3
Automotive Ownership			11	12	Semester/.5	3
Robotics 1	9	10	11	12	Semester/.5 TGR	2
Robotics 2	9	10	11	12	Semester/.5 TGR	2
Independent Study			11	12	Semester or Full Year	-

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

DRAFTING TECHNOLOGY	MATERIALS PROCESSING/ MANUFACTURING	CONSTRUCTION TECHNOLOGY	GRAPHIC COMMUNICATION	ENERGY-POWER TRANSPORTATION
<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>
Grade 9 Foundations of Technology Drafting Technology 1A Drafting Technology 1B	Grade 9 Foundations of Technology	Grade 9 Foundations of Technology	Grade 9 Foundations of Technology	Grade 9 Foundations of Technology
Grade 10 Drafting Technology 1A Drafting Technology 1B Materials Processing 1	Grade 10 Drafting Technology 1A Drafting Technology 1B Materials Processing 1	Grade 10 Drafting Technology 1A Drafting Technology 1B Materials Processing 1	Grade 10 Photography 1 Video Production	Grade 10 Power Technology 1 Robotics 1 Robotics 2
Grade 11 Drafting Technology 2 Materials Processing 2 Engineering Prep Technology for the 21 st Century	Grade 11 Materials Processing 2	Grade 11 Materials Processing 2 Engineering Preparation Construction Technology	Grade 11 Photography 2 Drafting Technology 1A Drafting Technology 1B	Grade 11 Power Technology 2 Engineering Preparation Automotive Ownership Robotics 1 Robotics 2
Grade 12 Drafting 3 Materials Processing 3	Grade 12 Construction Technology Materials Processing 3	Grade 12 Materials Processing 3 Construction Technology	Grade 12 TV Production Photography 3	Grade 12 Power Technology 3 Automotive Ownership Robotics 1 Robotics 2

TEC COURSE DESCRIPTIONS

FOUNDATIONS OF TECHNOLOGY

Grade 9 (0.5 Credits)
Level: 2-702405

Students in this course use hands-on exercises and internet research to learn the concepts and roles of engineering, design, invention, and innovation in creating technology systems that help make life easier and better. They apply and transfer this knowledge to common, everyday problems. The course incorporates the applications for math and science, providing a strong background in all areas of engineering, business and technology.

DRAFTING TECHNOLOGY 1A

Grade 9,10,11,12 (0.5 Credits)
Level: 2-702105

This course is strongly recommended for all students seeking a solid foundation in the fields of engineering, architecture, interior design, construction, manufacturing, graphics, machine design, and robotics. Course content varies from freehand sketching to board drawing. Math and physical science skills are reinforced in this course.

DRAFTING TECHNOLOGY 1B

Grade 9,10,11,12 (0.5 Credits)
Level: 2-702110

This course is a continuation of Drafting 1A and builds on the concepts and conventions of mechanical and machine drawing. Computer aided drafting, as well as board drawing, is utilized to create and modify drawings. Science, technology, engineering and math are reinforced as the student engages in more challenging assignments.
Prerequisite: Drafting Technology 1A.

DRAFTING TECHNOLOGY 2

Grade 10,11,12 (1.0 Credits)
Level: 2-702205

This course is a continuation of Drafting Technology 1A and B. Students will have the opportunity to refine their skills in traditional practices as well as computer drafting. Machine and tool design problems will be emphasized. Math and physical science skills are reinforced in this course. An independent technology project must be completed successfully for a technology credit.
Prerequisite: Drafting Technology 1.

DRAFTING TECHNOLOGY 3

Grade 11,12 (1.0 Credits)

Level: 2-702305

This course offers a choice of architecture or tool design. Emphasis is placed on problem solving and sound drafting practices. This course is a must for all students interested in drafting or engineering as a career. Math and physical science skills are reinforced in this course. *Prerequisite: Drafting Technology 2.*

MATERIALS PROCESSING 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-702215

This course introduces manufacturing technology, its systems, devices, technological advances, and relationships to other technology systems. It focuses on the impact that manufacturing technology has made on society. Areas of study to be explored are woods, metals, and plastics. Math and physical science skills are reinforced in all Materials Processing Courses.

MATERIALS PROCESSING 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-702220

This course is a continuation of Materials Processing 1. More advanced technology will be explored in the areas of woods, metals, and plastics. The course will also explore the impact that manufacturing technology has on today's society and environment. *Prerequisite: Materials Processing 1.*

MATERIALS PROCESSING 3

Grade 10,11,12 (1.0 Credits)

Level: 2-702315

This course is designed to give students an opportunity to specialize in any one of the three areas of manufacturing: wood, metals, and plastic. Emphasis throughout is placed on the design process in conjunction with creativity. The course will also explore the use and development of computerized manufacturing with hands-on use of such machines. *Prerequisite: Materials Processing 2.*

POWER TECHNOLOGY 1/SMALL GAS ENGINES

Grade 10,11,12 (0.5 Credits)

Level: 2-702235

This course offers an insight into the internal combustion engine and its related systems. Students study the design, construction, and application of engine components, the

ignition system, the cooling system, the lubrication system, and the emission system. Math and physical science skills are reinforced in all Power Technology Courses.

POWER TECHNOLOGY 2

Grade 10,11,12 (0.5 Credits)

Level: 2-702240

This course allows a student to study the internal combustion engine as used in the automobile. Advanced studies are made of the drive train, fuel and electrical systems. *Prerequisite: Power Technology 1.*

POWER TECHNOLOGY 3

Grade 11,12 (1.0 Credits)

Level: 2-702335

Students are allowed considerable freedom in choosing areas and methods of study. The students may elect to study the fine points of automobile maintenance and repair or investigate areas such as engine modification, customizing, body work, and related areas. *Prerequisite: Power Technology 2.*

CONSTRUCTION TECHNOLOGY

Grade 11,12 (0.5 Credits)

Level: 2-702350

This course is for students who are interested in the construction industry. Emphasis will be on home construction, decks, mechanical systems, and masonry technology. Math and physical science skills are reinforced in this course.

ENGINEERING PREP

Grade 10,11,12 (0.5 Credits)

Level: 2-702255

This course is designed for students who are interested in careers in engineering. This course provides a foundation of applied academics and the technical skills needed for current and future technical careers. Areas of study will include drafting and CADD/CAM materials processing (with emphasis on problem-solving). Math and physical science skills are reinforced in this course.

PHOTOGRAPHY 1

Grade 10,11,12 (0.5 Credits)

Level: 2-702260

This course will explore the world of black and white still photograph. Through lectures and darkroom lab work, students will produce photographs, useful for display, of

the world around us. Math and physical science skills are reinforced in all Photography Courses.

PHOTOGRAPHY 2

Grade 10,11,12 (0.5 Credits)

Level: 2-702265

This course is a continuation of Photography 1. Advanced darkroom procedures, photographic techniques and subject topics will be emphasized utilizing student creativity. Subject matter will vary from landscapes to portraits, to photographic story telling. *Prerequisite: Photography 1.*

PHOTOGRAPHY 3

Grade 10,11,12 (1.0 Credits)

Level: 2-702360

This course will explore the world of digital black and white still and commercial photography. Advanced studies in studio work and lighting will be stressed. Subject matter will vary according to the student's ability. *Prerequisite: Photography 2.*

VIDEO PRODUCTION

Grade 9,10,11,12 (0.5 Credits)

Level: 2-702270

This course will enable students to learn the video production process from planning through final product. Students will be involved in producing videos of school related activities such as concerts, sporting events or other student activities for cable television broadcast. Time out of class will be required to complete assignments.

TELEVISION PRODUCTION

Grade 11E,12 (1.0 Credits)

Level: 2-202365

This course will examine the issues and elements of producing television programming. Students will learn about television and have hands-on experience with television production. Time out of class will be required to complete individual and group assignments. *Please note: .5 credit in English and .5 credit in Technology.*

TECHNOLOGY FOR THE 21st CENTURY

Grade 11,12 (0.5 Credits)

Level: 3-703365

This course enables students to apply their skills in math and science to modern technology. Students are engaged

in eight modules or learning centers for 10 days each. They receive background information then apply their knowledge to experimentation, design, model building and problem-solving using the appropriate technology. This orientation series will expose students to technologies which are a major component of the changing workplace. Solving problems with technology is a reality for which they will be better prepared.

AUTOMOTIVE OWNERSHIP

Grade 11,12 (0.5 Credits)

Level: 3-703340

This course is a semester program which will offer students an opportunity to learn about their own automobile in a low tech environment. This course will cover the basic types of maintenance all drivers need to ensure a safe, well-maintained mode of transportation. Utilizing the students own vehicle emphasis will be placed on understanding an owner's manual, routine vehicle inspection, basic ongoing maintenance, and becoming a good consumer. Math and physical science skills are reinforced in this course.

ROBOTICS 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-702275

This course offers an introduction to basic robotic systems, circuits, sensors, and gear mechanisms. Robotics is a subject and discipline that encompasses many key areas of education. Math, science, English, social studies, and technology education areas are utilized in the development of problem solving areas in robotic systems.

ROBOTICS 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-702280

This course is a continuation of the Robotics 1 course with an emphasis on electronics and computer programming in addition to math and science. An independent technology project, which is a required component of this course, must be completed successfully for a technology credit. *Prerequisite: Robotics 1.*

FINE ARTS

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.

MUSIC COURSES

COURSE TITLE	GRADE OFFERED				CREDIT(S)	LEVEL(S)
Freshman Choir	9				Full Year/1.0	2
Choir*		10	11	12	Full Year/0.6	2
Advanced Ensemble*		10	11	12	Full Year/0.4	1
Band (Jonathan Law)*	9	10	11	12	Full Year/0.6	2
Band (Foran)*	9	10	11	12	Full Year/0.8	2
Jazz Band*	9	10	11	12	Full Year/0.4	1
Music Technology 1	9	10	11	12	Semester/.5 TGR	2
Music Technology 2	9	10	11	12	Semester/.5	2
Piano 1	9	10	11	12	Semester/.5	2
Piano 2	9	10	11	12	Semester/.5	2
Guitar 1	9	10	11	12	Semester/.5	2
Guitar 2	9	10	11	12	Semester/.5	2
String Orchestra*	9	10	11	12	Full Year/1.0	2
Music Theory 1	9	10	11	12	Semester/.5	2
Music Theory 2	9	10	11	12	Semester/.5	2
Independent Study			11	12	Semester or Full Year	-

* 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.

MUSIC COURSE DESCRIPTIONS

FRESHMAN CHOIR

Grade 9 (1.0 Credits)

Level: 2-452101

This entry-level high school performance course is designed for students who are interested in learning to sing in a large group choral ensemble. Time will be devoted to skill development in music theory, proper tone production and singing as a member of a choir. Students will learn to sing accurately and independently with good vocal technique. They will sing music written in three or four parts, and learn to respond to and perform standard music notation, including directional and expressive markings.

Students will learn to evaluate a vocal performance by listening to exemplary recordings and comparing those with their own performances. Students will perform, both inside and outside of school, in a variety of musical styles and languages as they gain an understanding of music in relation to various cultures and historical periods.

CHOIR

Grade 10,11,12 (0.6 Credits)

Level: 2-452200

Choir is designed for students who enjoy singing in a choral setting. Students will learn proper posture, vocal

techniques and breath control as they develop the ability to read music, understand and use musical terminology, sing in harmony and a capella. Performances include winter and spring concerts, graduations and various other school and community concerts. Repertoire will include a wide variety of choral literature representing various periods, cultures and languages. Choir meets three times a week for the full year.

ADVANCED ENSEMBLE

Grade 10,11,12 (0.4 Credits)

Level: 1-451105

In this course, students will take on the challenges of singing advanced choral literature as they learn advanced music reading, and complex choral singing techniques through singing a cappella and trios/quartets arrangements from various styles and periods. This chamber ensemble is the choral ambassador for the school, singing for any special occasion where a choir would be appropriate. Class size is limited to 24 students. To elect Advanced Ensemble, a student must also be enrolled in Choir. Adv. Ensemble meets twice a week for the full year.
Prerequisite: Required Audition.

BAND

Grade 9,10,11,12

Level: 2-452160 (Jonathan Law .6 Credits – 3x a week)

Level: 2-452110 (Foran .8 Credits– 4x a week)

The concert/marching band performs at pep rallies, football games, local and out-of-town parades, festivals and competitions, school assemblies, elementary and middle school visitations, winter and spring evening concerts, and graduation. Special instructional attention is given to general ensemble skills such as rhythm, intonation and dynamic control. Students must be willing to commit to practice time and performances beyond the school day. *Prerequisite: Previous participation in the Band Program or audition required.*

JAZZ BAND

Grade 9,10,11,12 (0.4 Credits)

Level: 1-451120

This instrumental group participates in winter and spring concerts, competitions, festivals, community concerts, school assemblies and visitations. Special attention is given to phrasing, markings, dynamics, intonation and interpretation of musical styles, with an emphasis on jazz. At Foran High School, this class meets one day and one evening per week. At Jonathan Law, this class meets two days a week. To elect Jazz Band, a student must also be enrolled in Band. *Prerequisite: Audition Required.*

For more information about the Band and/or Jazz Band Program, contact:

Paul Marino at Jonathan Law High School
pmarino@milforded.org

Jessica Shearer at Joseph A Foran High School
jshearer@milforded.org

MUSIC TECHNOLOGY 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452115

Through the use of MIDI equipment, computers and sequencers, students will explore, experiment with, discover, discuss and evaluate the making of music. In addition to providing a basic understanding of music, this course will provide students with an outlet for creativity and self-expression by focusing on creating and arranging music, accessing and manipulating sounds, and analyzing and editing music. *Prerequisite: It is strongly recommended that a student have a basic knowledge of music notation.*

MUSIC TECHNOLOGY 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452120

Continuing the study of composition through the use of MIDI equipment, computers, software and other peripherals, students will compose more challenging music including polyphony and counterpoint, using a variety of textures and styles. *Prerequisite: Music Technology 1.*

PIANO 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452140

This introductory course is designed for students who wish to learn to play piano. Students will read treble and bass clef notation, scales and chords, and perform a variety of musical styles from piano literature.

PIANO 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452145

This course is a continuation of Piano 1. Students will build upon skills learned in Piano 1 and study more challenging piano literature. This course will run concurrently with Piano 1. *Prerequisite: Piano 1.*

GUITAR 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452150

This introductory course is available to any student who wishes to learn to play the guitar. Students will learn basic music skills, basic choral accompaniments and ensemble performance.

GUITAR 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452155

This course is a continuation of Guitar 1. Students will continue to develop skills learned in Guitar 1 and explore a wider variety of guitar repertoire. This course will run concurrently with Guitar 1. *Prerequisite: Guitar 1.*

STRING ORCHESTRA

Grade 9,10,11,12 (1.0 Credits)

Level: 2-452180

This instrumental group participates in winter and spring concerts, competitions, festivals, community concerts, school assemblies and visitations. Instrumentation includes violin, viola, cello and bass in a group orchestra setting. Special attention is given to phrasing, markings, dynamics, intonation, bowings, fingerings, and interpretation of musical styles. Repertoire includes music ranging from Baroque to fiddle music and from Jazz to current pop music. No audition is required; however, previous experience playing a stringed instrument is strongly recommended. Students are expected to bring their own or rented violin, viola or cello. If financial assistance is needed, the building principal should be contacted.

MUSIC THEORY 1

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452125

This course is concerned with the basic fundamentals of music and how they are applied to the creation, composition and arranging of music. Students will learn notation, tone production, meter, tempo, major and minor scales and keys, intervals, chords and dynamics.

MUSIC THEORY 2

Grade 9,10,11,12 (0.5 Credits)

Level: 2-452130

This course is a continuation of Music Theory 1 and is designed for those students who wish to further their study of musical composition and arrangement. Students will learn four-part harmony, transposition, chord inversion, sight-singing and dictation. *Prerequisite: Music Theory 1.*

FINE ARTS

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 Fine 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.

Advanced Placement: The Visual Arts Department offers one Advanced Placement Course – Advanced Placement Studio Art. Advanced Placement courses are nationally recognized programs of study that prepare students to take the Advanced Placement examination and to receive college credit and/or advanced standing in college.

VISUAL ARTS COURSES

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

VISUAL ARTS COURSE DESCRIPTIONS

DESIGN I

Grade 9,10,11 (1.0 Credits)

Level: 2-102100

Design I focuses on the understanding and application of the Elements and Principles of Design through the Creative Process. Students will explore a variety of media as well as two- and three-dimensional concepts. This full-year course is the prerequisite for Design II, Graphic Art and Design, and Fine Art Studio. *Design I is highly*

recommended for students interested in enrolling in future art courses.

DESIGN II

Grade 10,11,12 (0.5 Credits)

Level: 2-102200

Design II offers students opportunities to further develop art skills using a variety of two- and three-dimensional media. Students will be challenged with in-depth

assignments to stimulate their resourcefulness and creativity. Design II is highly recommended for students preparing for art school. *Prerequisite: Design I.*

DRAWING

Grade 9,10,11,12 (0.5 Credits)

Level: 2-102205

Drawing offers students opportunities to explore a variety of drawing materials and techniques. Developing one's drawing ability is essential for success in any art course. Drawing is highly recommended for students preparing for art school.

PAINTING

Grade 10,11,12 (0.5 Credits)

Level: 2-102210

Painting focuses on the technical application as well as the emotional aspects of color. In this course students may use acrylic, watercolor, pen and ink, tempera, as well as colored ink, marker, and pastel. A variety of techniques and painting surfaces will be explored. Painting is highly recommended for students preparing for art school.

CARTOONING

Grade 10,11,12 (0.5 Credits)

Level: 2-102215

Cartooning explores a variety of cartoon styles and formats. In this course, there is a strong emphasis on drawing as students develop their own cartoon style. Technology will be incorporated into specific projects for students to explore additional cartoon media.

CERAMICS AND POTTERY

Grade 9,10,11,12 (0.5 Credits)

Level: 2-102220

Ceramics and Pottery focuses on exploring clay and three-dimensional concepts. Students participate in various clay construction techniques, such as clay preparation, hand-building, function and design, surface texture and glazing. When possible, students will also participate in wheel techniques.

SCULPTURE

Grade 10,11,12 (0.5 Credits)

Level: 2-102225

Sculpture explores art and design through the use of three-dimensional materials. Students will use both additive and subtractive sculptural methods. A variety of materials will

be explored, which may include stone, plaster, wood, wire, clay and papier-mâché.

PRINTMAKING

Grade 10,11,12 (0.5 Credits)

Level: 2-102230

Printmaking focuses on a variety of artistic methods for creating multiple images. Within the course, students will explore printmaking techniques and how they are used today as image-making tools. Methods may include monotype, collograph, relief, woodcut, etching, and silkscreen.

CRAFTS

Grade 10,11,12 (0.5 Credits)

Level: 2-102235

Crafts offers students a variety of experiences with traditional and contemporary craft media. Course work incorporates cultural influences in contemporary projects. Students may explore clay, weaving, jewelry, basketry, batik, stamping and scrap-booking.

GRAPHIC ART AND DESIGN

Grade 10,11,12 (0.5 Credits)

Level: 2-102300

Graphic Art and Design students will develop the necessary skills for graphic art through layout and design projects, lettering, illustration, and the use of technology for graphic design. *Prerequisite: Design I.*

FINE ART STUDIO

Grade 11,12 (0.5 Credits)

Level: 2-102305

Fine Art Studio is recommended for juniors and seniors who are interested in creative exploration with various art media. Within the course, personalized instruction is balanced with the expectation that students are self-motivated and focused on creating a variety of original art works. In addition, students will explore possible careers in the Visual Arts. *Prerequisite: Design I.*

ART FOR SENIORS

Grade 12 (1.0 Credits)

Level: 2-102400

Art for Seniors focuses on the understanding and application of the Elements and Principles of Design through the Creative Process. Students will explore a variety of media as well as basic two- and three-

dimensional concepts. Seniors who have previously taken Design I are not eligible for this course.

ADVANCED PLACEMENT STUDIO ART

Grade 11,12

(1.0 Credits)

Level: AP- 100100

Through studio practice, application of design concepts and informed decision-making students will create a body of artwork that demonstrates a high level of quality and growth over time of content, technique and process. Students will develop mastery in concept, composition and execution. Students will address three components in their portfolios: Quality, Concentration and Breadth. Students will submit a portfolio of their work to the College Board for review. Students taking AP Studio Art are required to complete summer portfolio artwork. An open house will take place during the course selection process for additional details. *Prerequisite: Previous experience in high school Visual Arts courses is strongly recommended.*

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 if necessary of your school counselor.

INTERDISCIPLINARY COURSES

COURSE TITLE	GRADE OFFERED			CREDIT(S)	LEVEL(S)
Online Communication	10	11	12	Semester/.5 TGR	2
Yearbook		11	12	Semester/.5	2
Sr. Internship/Research Project			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.

INTERDISCIPLINARY COURSE DESCRIPTIONS

ONLINE COMMUNICATION

Grade 10,11,12 (0.5 Credits)

Level: 2-352200

In this project-based class, students will learn how to create and manage effective web sites. As students acquire skills in all phases of web design, they will explore how to select and organize data; how to recognize, develop and insert quality graphics, sound, motion and special effects; how to optimize interactivity; as well as how to evaluate and continuously revise effective communication. While the course is project-based, students will come together for small and large group instruction for students' mastery of software programs, mini-lessons on multimedia equipment, and for discussions on information technology and internet ethics. Within the first month of the class, students will choose an area of focus for their project. At that time, each student will select the appropriate area of study in which he/she will receive credit for the course. Depending on the focus of the course, credit may be awarded in the area of Business, Technology Education, Art or English/ Language Arts. Students must have access to a computer with an internet connection after school hours.

YEARBOOK

Grade 11,12 (0.5 Credits)

Levels: 2-352300 Semester 1, 2-352305 Semester 2

This course will provide students the opportunity to be directly responsible for the planning and production of their high school's yearbook. While working on everything from initial idea planning to production, students will develop an understanding of visual design and layout, photographic composition, photojournalism, graphic

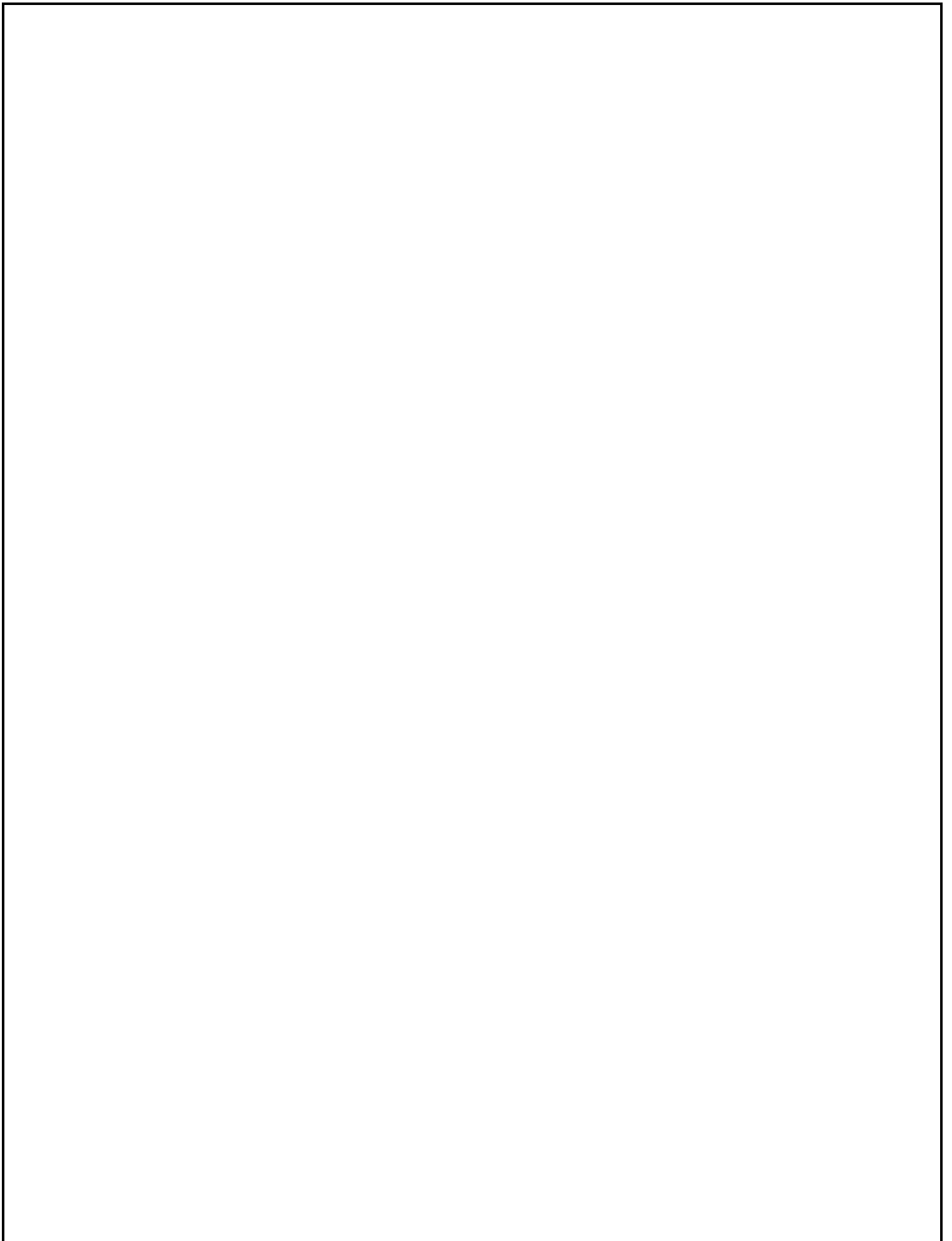
techniques, template adaptation, and electronic submission. In addition, students will be involved in money management -- budgeting and accounting -- as well as publication advertising and marketing. Students will be directly involved with strict deadlines that must be set and met for the successful completion of the yearbook. This course will be offered both first and second semesters. Students may take this course for one semester or for two different semesters. To be involved fully in their own Yearbook publication, it is highly recommended that students about to become Juniors register to take this course the second semester of their Junior year and that students about to become Seniors register to take this course the first semester of their Senior year.

SR. INTERNSHIP/RESEARCH PROJECT

Grade 11,12

Levels: 2-352400 .5 cr, 2-352401 1.0 cr, 2-352402 1.5 cr.

The Senior Project offers the opportunity for seniors to participate in one of two projects which foster independent learning outside of the classroom experience. Students may select a Senior Internship or a Senior Research Project. The purpose of the Senior Internship program is to allow students with a specific career interest to experience concentrated time in a work environment. The Senior Research Project program offers students the opportunity to design an activity in which they apply the knowledge and skills they have acquired during high school to an area of personal interest. In doing so, students will become actively engaged in inquiry around a topic of their choosing. Both projects include a classroom component, a seminar class, journaling and a formal presentation. Students electing this course will be asked to complete an application process in the first semester of their senior year which will help to determine their enrollment and placement.





MILFORD PUBLIC SCHOOLS 2012 – 2013 Course Selection Process

Dear Students,

As you begin your Course Selection Process this year, please keep in mind both the graduation requirements and the suggested Course of Studies outlined below. Remember also to challenge yourself with an appropriately rigorous schedule – the course choices you make now may be directly related to the opportunities you will have in the future.

Sincerely,

Fran Thompson
Principal, Jonathan Law

John W. Barile
Principal, Joseph A. Foran

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

Students must carry at least 5.5 credits each year.



MILFORD PUBLIC SCHOOLS 2012 – 2013 Course Selection Sheet

Name: _____

Current Grade: _____

High School: _____

Class of: _____

Departments	Initial Course Requests		Teacher Review		Final Course Requests	
	Number	Title	Signature	Rec. Course if Different	Number	Title
English						
Mathematics						
Science						
Social Studies						
World Languages						
Health						
Physical Education						
Career & Life Skills •Business •FCS •TEC						
Fine Arts •Music •Visual Arts						
Additional Electives •English •Math •Science •Social Studies •World Languages •Interdisciplinary •Support Centers						
Total Credits	_____ credits		Students must carry a minimum of 5.5 credits		_____ credits	

Reviewed by Advisor	Date	Reviewed by Counselor	Date	Entered into PowerSchool	Date



2/7/2012