

Milford High School Course Selection Guide

2011-2012



MILFORD HIGH SCHOOL

One Eagles Way
Milford, Ohio 45150
www.milfordschools.org
Guide posted on Edline

VISION STATEMENT

Milford Exempted Village School District's Vision Statement is to inspire and prepare our students to reach their fullest potential in a diverse and dynamic world.

CORE VALUES

- A safe and nurturing environment for the development of mind, body and spirit.
- All members developing their fullest potential academically, physically and socially.
- Mutual respect among all.
- Courtesy in all interactions.
- The building of strong character through moral and ethical principles.
- Strong family and community support for the learning process.
- Accountability by all for their actions.
- Open and honest communications.
- Strong work ethic demonstrated by all members.

Scheduling Calendar

February 8	Counselors meet with student body to discuss Course Selection Guide, Registration Worksheets, and transcripts
February 9	Distribute registration guides and sample worksheets during homeroom
February 9-11	Teachers explain course offerings and prerequisites for their department. Elective fair at lunch
February 11	AP meeting for students interested in taking AP courses
February 16	Teacher sign-off day for courses. Transcripts and selection worksheets distributed during homeroom
February 17	PSEOP and parent meeting for current 9-11 grade students
February 23	Final, signed course selection forms due during homerooms
February 23	Data entry begins, counselors and registrar

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ABBREVIATIONS USED THROUGHOUT THIS COURSE SELECTION GUIDE

AP = Advanced Placement – Application process

Cr = Credit – Carnegie Unit

Prereq.= Prerequisite – courses(s) which must have been completed successfully before taking a particular class

GPA = Grade Point Average

TR = Teacher Recommendation – application, interview, approval, or permission required on course selection form

AVG= Average grade

Course Selection Guide

Dear Students and Parents,

You are about to make important decisions that will greatly impact your future. This book is your guide to select the courses you will take next year.

It is extremely important that you gather all necessary information before making your choices. To assist you, we have arranged the following opportunities:

1. The counselors have scheduled Parent Information Programs on the dates indicated on the scheduling calendar (page 1). Even if you attended in previous years or have an older student who has already graduated, I encourage you to attend to obtain the latest information about courses and graduation requirements which may influence your decisions about scheduling courses.
2. The subject area teacher who is familiar with your student's ability can best answer specific questions about which courses he or she should take next year. For this reason, students are required for some courses to have teachers initial their selections on the registration worksheet. Please note the course descriptions for classes which require a teacher's recommendation as a prerequisite.
3. The counselors are available to assist you in this process as well. Students and parents may schedule an appointment for a meeting to discuss specific concerns.

Because the master schedule is created and faculty and staffing decisions are made based upon the classes students select, it is important to carefully consider course selection. Be sure to read each course description carefully to be sure you are registering for appropriate courses and that you understand what the fees will be. **THE COURSES YOU SELECT WILL BE THE COURSES YOU WILL TAKE FOR THE ENTIRE YEAR.** Changes requested later may not be possible.

Every effort will be made to allow students to take the courses they request, however, occasionally conflicts occur. We will not know what the conflicts will be until later in the spring, when the master schedule is built. Should an irresolvable conflict occur, you will be scheduled for one of the alternate classes you selected on your worksheet.

In the event that a student does not pass a required course, he/she must register for credit recovery for next year. If you make up the course before school begins in the fall, the counselor will make the appropriate changes and will contact you if there are any questions.

We are proud to offer a broad variety of elective courses designed to meet your needs and interests. Our goal is to prepare you for success in the post-secondary program of your choice. I strongly encourage you to take advantage of the opportunities available to you at Milford High School.

Sincerely,

Mark D. Lutz
Principal

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POLICIES AND PROCEDURES

Please read this information to help you select courses, understand procedures, and make the most of the information presented in this guide.

1. The curricula at Milford High School is organized into semester courses. This provides each student with a wide range of choices in planning an educational program. The structure of the curricula provides flexibility in allowing each student to choose those courses which best fit the student's educational goals. Credit is awarded at the end of each semester.

2. Students are required to earn a minimum of 5.5 credits per year with six academic classes per semester. To stay on track for graduation, students must have the following: grade 10—4.5 credits; grade 11—10 credits; grade 12—15.5 credits.

3. Fees for all courses are listed after the individual course descriptions. Some courses have personal supplies that are provided by the student and are in addition to the school fee. School fees are subject to change as suppliers raise costs on supplemental materials. This guide is published in January and revised prices are often not available until late spring. Increases, if any, are usually less than \$2.00.

4. Students at Milford Junior High receive graduation credit for high school level courses taken in junior high. In accordance with Ohio Senate Bill 55, students entering Milford High School **from other districts** will receive this credit ONLY if they produce sufficient proof of the credentials of teachers who taught the course(s) at their previous school, or if their previous school gave high school credit for the course.

5. Students will be assigned to grade level according to the number of years in school:

1 st year	Grade 9
2 nd year	Grade 10
3 rd year	Grade 11
4 th year +	Grade 12

PLEASE NOTE: Assignment to a 12th grade homeroom does not automatically mean graduation or participation in the graduation ceremony at the end of the senior year. To earn a diploma and participate in the graduation ceremony, students must meet all credit requirements established by the Milford Board of Education and pass all sections of the Ohio Graduation Test.

6. Students interested in pursuing vocational education should see their counselor for complete information regarding programs and applications. Applications for students without course credit deficiencies are due on February 1. Final application deadline is March 31.

7. The Milford Exempted Village School District does not discriminate on the basis of race, color, national origin, ancestry, sex, age, or handicap.

SCHEDULE CHANGE POLICIES

The master schedule at Milford High School is based on student course requests. Therefore, it is recommended that adequate time and effort be spent considering course selections.

If a student wishes to request a schedule change, the following criteria must be followed:

1. A class or study hall must be added to make a 7 period day.
2. A subject level change is required.
3. A student is registered for a class taught by a teacher with whom the student previously failed.

Schedule changes will be made using the following guidelines:

1. The schedule change request is made in the best academic interest of the student.
2. Schedule changes will be made only before the semester begins or during the first 2 weeks of the new semester.
3. Students who drop a class after the third week of the semester will be placed in a study hall, and receive a failing grade in that class for the semester. No additional courses may be added at this time.

Schedules will not be adjusted to allow for early dismissals.

Requests for a student to withdraw from a class after the third week will be reviewed with the department chairperson, the current teacher, the student's counselor and an administrator. All requests for changes - with specific reasons - must be submitted before any change will take place. Any student who withdraws from class following the third week will receive a failing grade in that class for the semester.

INDIVIDUAL ACADEMIC CAREER PLAN

An Individual Academic Career Plan (IACP) is required for every student. Beginning in the eighth grade, IACP information will be entered electronically through the web site kuder.com. This information will be updated yearly in grades nine through twelve.

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POLICIES AND PROCEDURES, Continued

GRADE POINT AVERAGE AND CLASS RANK

Semester grades in all courses earning a letter grade of A, B, C, D or F are used to determine a student's grade point average – the basis of class rank. Class rank is determined at the conclusion of each semester by using the GPA and ranking students numerically. The following scale is used in determining a student's grade point average*:

A = 4, B = 3, C = 2, D = 1, F = 0

Class rank is used to determine final class standing and the determination of valedictorian and salutatorian awards issued at commencement.

Students who enroll in an AP class and earn a grade of C or higher will have 0.025 added to their grade point average each semester. For example, if a student earns a B in all classes and is taking AP American History and AP Biology, the weighted GPA at the end of the semester will be a 3.05 (3.0 since the student earned B's in all classes, and 0.05 since two of the classes are weighted.)

The grades and class rank of students new to Milford High School will be converted to the above system. Only those classes weighted at Milford High School will be weighted in determining the student's GPA.

* .25 credit classes (i.e., Phys. Ed.) carry less weight in calculating GPA. A detailed explanation is available from the Counseling Office.

REPEATING A FAILED SUBJECT

When a student repeats a class previously failed, the passing grade earned upon repeating the class will become a part of the student's record as well as the original F. Students may make up required classes in summer school or other credit recoupment options available through the Milford School District. For information about these options, contact the Counseling Office at 576-2203.

CREDIT FLEXIBILITY

Senate Bill 311 (the Ohio Core legislation) raised the graduation requirements for high school students, with the goal of increasing the number of students who are ready to meet the demands of our global and technological age. It included among its provisions a requirement that schools adopt a plan that enables "students to earn units of high school credit based on a demonstration of subject area competency, instead of or in combination with completing hours of classroom instruction." The purpose of the

MHS credit flexibility option is to develop learners who plan their own research, learning objectives, and a plan whereby they will attain those objectives outside of the traditional classroom.

Options for Earning High School Credit:

High school students in grades 9-12 may earn high school credits using any combination of the following methods:

- 1) Successfully completing traditional high school level courses for which one credit shall be granted per 120 hours of class time.
- 2) Successfully completing a dual credit course, Advanced Placement course, or approved college level course.
- 3) Successfully completing an educational option plan (independent study, travel opportunities, internship, new course not offered at Milford High School)
- 4) Successfully completing an online course offered by a provider approved by high school principal or his or her designee OR the district credit flexibility committee.

The following test out option will be available beginning with the 2011-2012 school year:

- 5) Successfully completing a course through Demonstration of Mastery Assessment, which requires: passing an examination with a score of 80% or better and then providing a portfolio of work that demonstrates mastery of academic content standards and making a presentation to the credit flex panel.

Eligibility:

- 1) Be enrolled as a full time student at Milford High School.
- 2) Sign all required paperwork.
- 3) Submit a credit flexibility option approval application by February 1 for approval for the following options: Independent Study, creating a new course (Educational Option), online coursework, and/or demonstration of mastery assessment.
- 4) Receive approval by April 1.
- 5) Retroactive credit will not be granted for courses or experiences taken prior to the submission of an application.

The following options do not require an application: dual credit and study at approved institutions.

Limitations:

- 1) The district shall not limit the number of credits earned by a student through demonstration of mastery or completion of educational options. The district shall evaluate requests for early graduation in accordance with its policy on Academic Acceleration.
- 2) Students participating in field based educational options related activities (e.g. mentorships and internships with businesses and community organizations) shall be required to adhere to safety rules and standards of behavior and appearance appropriate for the activity setting.

The district may suspend an approved educational option plan and reassign the student to another setting at its discretion if the host organization reports significant misconduct, tardiness, or absence on the part of the student.

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POLICIES AND PROCEDURES, Continued

Appeals Process:

Students may appeal decisions regarding access to an educational option and/or standards established for awarding grades and credit for educational options by submitting an appeal to his or her (principal or designee.)

- 1) Appeals will be reviewed by a committee comprised of a building principal or assistant principal, a teacher in the relevant subject area not involved in the original decision, and a guidance counselor.
- 2) The student filing the appeal and his or her parent(s) shall be given an opportunity to present concerns and recommendations to the committee.
- 3) Appeals shall be reviewed by the committee within 10 days from the date the appeal was submitted in writing. The decision of the committee shall be final unless overturned by the Superintendent or a directive resulting from an appeal filed with the Ohio Department of Education.

Credit Flexibility and Special Populations:

- 1) Students with disabilities shall not be excluded from opportunities to earn credit through educational options or by demonstrations of mastery. Accommodations and supports for students with disabilities participating in educational options and online courses shall be provided consistent with the testing accommodations in the student's Individual Education Plan and/or 504 plan.

Fees Associated with Educational Options, Online Courses, and Credit by Mastery Assessment:

- 1) No assessment fees shall be charged to students or their families when district made tests or portfolio review rubrics are used or when instruments are provided by the State of Ohio are used in evaluating students for credit based on demonstrations of mastery.
- 2) The district may require students to pay part or all of the cost of administering a commercial assessment instrument if that instrument is not normally administered free of charge to students participating in equivalent traditional courses.
- 3) Parents of students participating are responsible for fees not typically provided free of charge to students in traditional courses, including but not limited to online tuition and travel expenses.

Communication Plan:

- 1) Opportunities and requirements related to credit flexibility shall be publicized annually using multiple forms of media which may include any combination of the following: publication on the district's website, publication in the high school course catalogs, dissemination of information at parent and teacher conferences and other events open to parents.
- 2) Copies of a publication describing opportunities and requirements related to credit flexibility shall also be made available to students, staff, and parents upon requests to the high school guidance counselors and principals.

Student Athletes:

- 1) High School Athletics—To be eligible to play interscholastic high school sports, a student must be currently enrolled and must have been enrolled in school in five full credit courses during the immediately preceding grading period (semester, quarter, six weeks, etc.). A student enrolled in credit flex courses must, at the conclusion of the high school's grading period, be "passing" all credit flex courses used to establish athletic eligibility. The student may not yet have completed the courses, but it must be determined that the student was "passing" the course(s) at the time the grading period ended. However, in this case, no grade will be factored in for athletic eligibility purposes. If it is determined that the student is not "passing," no credit toward the five credits (or equivalent) required for eligibility can be awarded.
- 2) College Athletics— Students who anticipate continuing participation in sports at the college level should carefully consider the possibility that the NCAA Initial Eligibility Center may not include some credit flexibility options as part of the qualifying core courses required for Division I and II eligibility. For potential college student athletes, the NCAA eligibility requirements specifically address the types of learning opportunities available through the credit flexibility policy (e.g., online/distance learning, independent study, one course taken over two years). The NCAA does not allow "credit by exam" (or Mastery Assessment) courses to be applied to core course eligibility requirements. If you expect to play college sports, you must check with your counselor to ensure that any credits taken through Credit Flex will meet the NCAA Eligibility Center standards.

Credit Flexibility Options Available at Milford High School 2011 2012:

- 1) Educational Options, Online Learning, Dual Credit, Advanced Placement Courses:

A) Online Providers:

APEX

University of Kentucky Independent Study

American School

B) Study at Approved Institutions:

Northwestern University Summer Institute

Miami University Summer Institute

Post Secondary Enrollment Option

C) Dual Credit Courses:

As determined each year in agreement with UC Clermont College and Cincinnati State.

Independent Study, Creating a Flex Plan for a New Course

A) Independent Study:

This option provides an opportunity for a student to explore subjects of special interest and enrich or advance skills and knowledge.

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Examples of Independent Study include local immersion experiences in a foreign language, participating in a youth orchestra, internship at a newspaper. Students wishing to access Independent Study should find a staff member or community mentor willing to work with them and certify their learning.

Off-site instruction providers must receive prior approval by the school. In the proposal, students must list the goals/objectives of their proposed course, list methods of instruction, timeline segments of learning, and describe assessment measures. Quarterly assessment results must be reported at the end of each quarter. Please check the school calendar for these dates.

The Milford High School teacher of record will evaluate student work. Final grades and credits will be recorded on the student's transcript and calculated in the student's GPA and class rank.

A) An Independent Study in physical education will require students to complete a proposal for $\frac{1}{4}$ credit under the direction of someone other than a family member.

B) Creating a Plan for a New Course:

This option is for students who wish to develop a plan to study a topic of interest that is not offered at Milford High School. Prior approval for the proposal is required; there will be no awarding of retroactive credit.

Off site instruction providers must receive prior approval by the school (refer to page 10 of this document for outsider provider legal requirements). In the proposal, students must list the goals/objectives of their proposed course, list methods of instruction, timeline segments of learning, and describe assessment measures. Quarterly assessment results must be reported at the end of each quarter. Please check the school calendar for these dates.

The Milford High School teacher of record will evaluate student work. Final grades and credits will be recorded on the student's transcript and calculated in the student's GPA and class rank.

C) Successfully completing a course through Demonstration of Mastery Assessment, which requires:

passing an examination with a score of 80% or better and then providing a portfolio of work that demonstrates mastery of academic content standards and making a presentation to a panel.

The Credit Flexibility Application is available on Edline.

ACADEMIC ELIGIBILITY FOR GRADES 9-12

Milford High School has adopted the eligibility standards set forth by the Ohio High School Athletic Association. Do not change your course schedule without first consulting with your athletic director or coach to determine whether it will affect your eligibility. If you are an athlete, please make this known to your counselor when requesting any schedule changes.

1. Eligibility is earned on a grading period basis (approximately a nine week period).
2. In order to be eligible during any grading period, a student must be enrolled.
3. In order to be eligible for a grading period, a student must have received a passing grade in a minimum of five one-credit courses or the equivalent during the previous grading period.
4. Students must maintain a minimum 1.50 quarterly grade point average (GPA) during the previous grading period.
5. Incoming ninth graders must have received passing grades in at least three-fourths (75%) of all subjects during the previous grading period to be eligible the first quarter of the ninth grade year.
6. Semester average and yearly average have no effect on eligibility.
7. Summer School or Credit Recovery courses cannot be used to remove deficiencies in order to gain athletic eligibility.

An athletic handbook for students and parents is distributed to all student athletes. It reflects athletic policies, standards of conduct and training, pledges, transportation and awards information.

TRANSCRIPT RELEASE PROCESS

Colleges require an official transcript sent directly from the high school. A transcript release form can be found online or in the counseling office. This form must be submitted to the Counseling Office for transcripts to be released to colleges. Transcripts will be sent within 3 days of receiving the request.

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POLICIES AND PROCEDURES, Continued

COLLEGE APPLICATION PROCESS

Colleges prefer applications be filled out online. The online process may include a counselor page which must be printed and turned into the Counseling Office along with the transcript release form. If you choose to submit a paper application, bring the completed application into the Counseling Office along with the transcript release form and application fee. If a letter of recommendation is needed from the counselor or the college needs any additional information about the student, the student must have the Student Profile and Parent Brag sheet on file in the Counseling Office. We will mail all application materials from our office when completed. Allow 2 weeks for the College Application process.

SCHOOL FEES

School fees are based upon the actual price of consumable items purchased by the district for student use in meeting course objectives. Under certain circumstances fees may be waived for students. *A form may be picked up in the office to apply for a fee waiver only* for students receiving "free lunch" or receiving assistance from Job and Family Services.

Fees are due at the start of the school year. Fees should be paid on schedule pick-up day. Information on this date will be announced. All fees should be paid within the first two weeks of classes. Schedules will provide you with the amount of fees owed. They will be listed for each course. Reminders will follow with each reporting period on the fees owed by each student. Please remember all fees must be paid in order to assure that records are available for transfer or for graduation.

The district now accepts VISA, MASTERCARD, and AMERICAN EXPRESS for payment of fees. Fees can be paid at the main office or by registering online at <https://www.spsezpay.com>

NCAA INITIAL ELIGIBILITY CLEARINGHOUSE

Confirmation (Formerly Form 48-H) NCAA Approved Core Courses for Milford High School for Initial Eligibility

The NCAA has approved the following courses for use in establishing the initial eligibility certification status of student athletes at Milford High School. If you plan to be eligible to participate in a sport in a Division I or II college, it is important that you familiarize yourself with this information. Students should apply to the NCAA Clearinghouse at the end of their junior year to avoid confusion regarding eligibility when they enter college.

To register, prospective student-athletes should access the registration materials by visiting the new Clearinghouse Web site at www.ncaaclearinghouse.net. From the home page, the prospect should click on "Prospective Student-Athletes," which will link the student-athlete to the necessary information. You may access additional forms by visiting the NCAA Web site at www.ncaa.org. From the home page, pull down the Parent/Prospect page from the Custom Home Pages pull-down menu. From there, click on "Guide for the College-Bound Student Athlete."

Titles beginning with the prefix " = " indicate classes that may be counted only by students with a diagnosed learning disability.

NCAA APPROVED CORE COURSES

<u>ENGLISH</u>	<u>MATH</u>	<u>SCIENCE</u>
English 9	Algebra I	Biology
English 10	Algebra II	CP Biology, Honors Biology
English 11	Algebra II Adv.	AP Biology
English 12	Algebra II Honors	Physical Science
CP English 9	Algebra III	Acc. Physical Science
CP English 10	Applied Geometry	CP Chemistry
CP English 11	Geometry	Honors Chemistry
CP English 12	Geometry Honors	AP Chemistry
CP English 9 Honors	Math 3 (Algebra)	CP Physics
CP English 11 Honors	Pre-Calculus Honors	AP Physics
AP English 12	Trigonometry	Environmental Science, Honors En Sci
CP English 12 Fiction	AP Calculus	Ecology
CP English 12 Comp	AP Statistics	Anatomy/Physiology
CP English 12 British Lit.	Topics in Math	Microbiology
CP English 12 Mystery		Forensic Science
AP English		AP Environmental Science
		Genetics

<u>SOCIAL STUDIES</u>	<u>ADDITIONAL CORE COURSES</u>
World Studies	Spanish I, Spanish II, Spanish III, Spanish IV, AP Spanish V
American History	French I, French II, French III, French IV, French V
AP American History	German I, German II, German III, German IV, German V
Government	Latin I, Latin II, Latin III, Latin IV
AP Government	
Diversity	
Economics	
Psychology/ Human Behavior	
Psychology /Individual/ Env.	
Sociology	
Street Law	
AP Psychology	

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GRADUATION REQUIREMENTS FOR CLASSES 2012, 2013

English	4.0 credits: English 9, 10, 11, and 12
Mathematics	3.0 credits
Science	3.0 credits: Must include 1 credit Biological Science* and 1 credit Physical Science** *Biological Sciences include General Science, Biology, and Environmental Science **Physical Sciences include General Science, Physical Science, Chemistry, and Physics
Social Studies	3.0 credits: World Studies, American History, and American Government (one unit of each)
Health	0.5 credits
Physical Education	0.5 credits (two semesters)
Electives	7.0 credits: Must include one credit or two half credits from Applied Tech, Fine Arts, or Foreign Language
TOTAL	21.0 CREDITS

20 hours of community service during the senior year, commencing with the summer of the senior year, are required.

GRADUATION REQUIREMENTS FOR CLASSES 2014 AND 2015

English	4.0 credits: English 9, 10, 11, and 12
Mathematics	4.0 credits: including one unit of Algebra II or its equivalent
Science	3.0 credits: Must include one unit of physical science (Physical Science or Chemistry), one unit of Biology, and one unit of an advanced course such as: Chemistry, Physics, Environmental Science, AP Physics, AP Biology, AP Chemistry or AP Environmental Science
Social Studies	3.0 credits: World Studies, American History, and American Government (one unit of each)
Health	0.5 credits
Physical Education	0.5 credits (two semesters)
Electives	6.0 credits: Any combination of the following: foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, JROTC, or additional English language arts, science or social studies courses not required under the Ohio Core.
TOTAL	21.0 CREDITS

20 hours of community service during the senior year, commencing with the summer of the senior year, are required.

1. HIGH SCHOOL GRADUATION

The courses in this section are the minimum requirements for graduation established by the State Department of Education and the Milford Board of Education. Students eligible for graduation from Milford High School must complete successfully a total of 21 credits. (One credit equals one "Carnegie Unit" – a standard unit of measurement.) Graduation credits are composed of specific required courses and elective courses chosen by the student. The chart above includes the minimum requirements for courses and credits needed to graduate.

2. OHIO GRADUATION TESTS

Students must pass all sections of the Ohio Graduation Test (OGT) in order to graduate and to participate in the graduation ceremony.

3. CAREER PASSPORTS

The Career Passport must be completed prior to graduation. The career passport contains a career narrative, a verification of employability skills assessment, and a resume which will be entered electronically via the web site oh.kuder.com.

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4. FINE ARTS REQUIREMENT

Students are required to complete two semesters of fine arts between grades 7 and 12 to meet this graduation requirement. Courses taken in grades 7 or 8 do not count for elective credit, but do count toward the course completion requirement. Students in a career-tech program do not have to meet this requirement.

5. COMMUNITY SERVICE REQUIREMENT

Community service is a requirement for participating in the graduation ceremony. Students may begin their community service after the end of their junior year. Students will be given information in late spring junior year about the requirements for their senior year. Students attending the Vocational School are exempted from community service requirement.

Acceptable community service options:

Community service is defined as “Those services designed to improve the quality of life for community residents (general public), particularly low-income individuals, or solving problems related to their needs” (National and Community Service Act of 1990). www.nationalservice.gov. Approved community service options are listed on the website www.ugive.org.

IMPORTANT: If you wish to perform community service for an individual or agency that is not listed above, prior approval must be obtained. Pre-approval form(s) must be submitted before the service commences. Once approval is granted, the service may begin. Failure to follow these steps will disqualify any service performed.

COMMUNITY SERVICE GUIDELINES:

1. Students may choose to spend the block of time doing volunteer work for a community organization. Paid work will not be considered for community service hours.
2. Projects will be approved only for work through a non-profit community organization. They will not be approved for work with an individual, unless that individual is a client of a local agency.
3. All community service work will be completed outside of school hours.
4. The agency has the option of not signing the time sheet if the student's job performance is not satisfactory.
5. Students must use official school community service timesheets and they must be signed by a parent or guardian. It is recommended that each student's service project be described and approved on the Community Service Form prior to beginning any service to insure that the student's hours will be accepted.
6. Community Service performed for faith-based organizations will only be considered for the hours committed to providing a service to the community at large, not for evangelical work.

7. Students will be given not more than 8 hours per day for summer camps.

8. Community Service hours will not be given for service performed for a parent or a relative.

9. Approved Community Service completed during weekends or vacation time will not exceed more than 8 hours a day.

10. Hours earned for after school or weekend training or planning sessions may count toward community service when the training results in actual volunteer service toward the community.

11. Students may not be compensated either financially or with some other material benefit.

12. Fundraising may count as community service if funds raised are donated to address a social issue in the community.

13. Service hours will not be given for any high school club meetings or club related activities.

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RECOMMENDED CURRICULA FOR COLLEGE BOUND STUDENTS

In order for students to be eligible to attend a four-year college, it is necessary that they complete the following College Preparatory Curricula with a minimum grade average of C+ (2.5 GPA or better.) Please note: WHILE IT IS NOT A REQUIREMENT FOR GRADUATION, MOST FOUR-YEAR COLLEGES REQUIRE A MINIMUM OF 1 CARNEGIE UNIT (2 semesters) OF FINE ARTS (art and/or music) and 2 CARNEGIE UNITS (4 semesters) OF A FOREIGN LANGUAGE (2 years of the same language). We strongly recommend that college bound students take at least 2 semesters of fine arts and 2 or more years of a foreign language to be accepted unconditionally.

SUBJECT AREA GRADUATION RECOMMENDATIONS: COLLEGE BOUND STUDENTS

English	4 credits:	CP English 9, 10, 11 and 12*
Mathematics	4 credits:	Algebra I, Geometry, Algebra II* (minimum)
Science	4 credits:	Physical Science, Biology*, Chemistry* (minimum)
Social Studies	4 credits:	World Studies, American History*, American Government*
Health	0.5 credit	
Physical Education	0.5 credit	two classes
Foreign Language	3 credits	of same language (minimum)
Fine Arts	1 credit:	Art or Music
Electives	4 credits	

TOTAL 21.0 CREDITS (Minimum)

* Honors and Advanced Placement classes available for qualified students.

DIPLOMA WITH HONORS FOR GRADUATING CLASSES OF 2011 AND BEYOND

The school district shall award the DIPLOMA WITH HONORS to any graduating student who:

- Completes successfully the high school curriculum or individualized education program developed for the student by the high school
- Passes all components of the Ohio Graduation Tests.
- Meets the criteria for honors as established by the State of Ohio as indicated below.

COLLEGE PREPARATORY CURRICULUM

The student who completes the College Preparatory Curriculum in high school shall meet at least seven of the following eight criteria:

- Earn four units of English;
- Earn four units of mathematics that include Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four year sequence of courses that contain equivalent content;
- Earn four units of science that include physics and chemistry;
- Earn four units of social studies;
- Earn either three units of one foreign language or two units each of two foreign languages;
- Earn one unit of fine arts;
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or,
- *Obtain a composite score of 27 on the ACT or an equivalent score on the SAT (1210), combined Critical Reading and Math.

*Excluding scores from the writing sections of the ACT and/or SAT

Course Selection Guide
POLICIES AND PROCEDURES, Continued

**CAREER-TECHNICAL DIPLOMA WITH HONORS FOR GRADUATING CLASSES OF
2011 AND BEYOND**

The school district shall award the DIPLOMA WITH HONORS to any graduating student who:

- A. Completes successfully the high school curriculum or individualized education program developed for the student by the high school
- B. Passes all components of the Ohio Graduation Tests.
- C. Meets the criteria for honors as established by the State of Ohio as indicated below.

CAREER-TECHNICAL CURRICULUM

The student who completes the College Preparatory Curriculum in high school shall meet at least seven of the following eight criteria:

- 1. Earn four units of English;
- 2. Earn four units of mathematics that include Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four year sequence of courses that contain equivalent content;
- 3. Earn four units of science that include physics and chemistry;
- 4. Earn four units of social studies;
- 5. Earn four units of Career-Technical electives. Program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post secondary credit;
- 6. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year;
- 7. *Obtain a composite score of 27 on the ACT or an equivalent score on the SAT (1210), combined Critical Reading and Math.
*Excluding scores from the writing sections of the ACT and/or SAT
- 8. Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent.

Course Selection Guide

MILFORD HIGH SCHOOL DUAL CREDIT OPTION

What is the dual credit option?

Milford High School offers students the opportunity to begin post-secondary education through an agreement with Cincinnati State Technical and Community College and/or UC Clermont College prior to high school graduation.

The dual credit option means that students may take selected high school courses at Milford High School and earn credits toward high school graduation and simultaneously earn college credits. Students participating in a dual credit course are enrolled in a course which satisfies both high school and college requirements. A successfully completed dual credit course earns the student college credit in addition to high school credit.

What are the benefits of taking the dual credit option?

- You take selected high school courses at MHS taught by a MHS teacher and earn both high school and college credit upon successful completion of the course.
- You get a head start on your college career and you could graduate from college early.
- You would save yourself and/or your parents money by earning college credit at a reduced tuition cost.
- You could take care of pre-requisites for your college degree.
- You graduate from MHS with a diploma and real college credit on an official transcript from Cincinnati State Technical and Community College or UC Clermont College
- You are actually enrolled in Cincinnati State Technical and Community College or UC Clermont College
- You cover a quarter of college coursework within a semester at high school.

What courses are available?

Courses are continually being evaluated by both Milford High School and the colleges and universities that we are working with. Please contact your guidance counselor with specific questions.

Course Selection Guide

APPLIED BUSINESS AND APPLIED TECHNOLOGY

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
AB07	FINANCIAL LIT.-BANKING & FINANCE	9-10-11-12	1	.50	NONE
CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
AT02	WORD PROCESSING & DOC FORMATTING	9-10-11-12	1	.50	NONE
AT21	WEB DESIGN	9-10-11-12	1	.50	NONE
AT53	DIGITAL MEDIA	9-10-11-12	1	.50	NONE

AB07 FINANCIAL LITERACY – BANKING & FINANCE **GRADES 9-10-11-12**

This one-semester course acquaints students with money management and the services available in the financial industry. Students will utilize a simulated checking account, explore credit, understand economic systems, utilize budgets, and explore the legal rights afforded in relation to financial independence.

School Fee: \$20.00

AT02 WORD PROCESSING/DOCUMENT FORMATTING/DESKTOP PUBLISHING **GRADES 9-10-11-12**

Word Processing and Document Formatting is a one-semester course for students who wish to gain skills for personal and/or college use. The course introduces basic skills and proper touch keyboarding techniques and progresses to formatting documents such as personal and business letters, memorandums, reports, outlines, and resumes using word processing software. The students have the opportunity to use a tutorial to reinforce speed and accuracy. Students will also learn to combine text and graphics to produce professional-quality printed documents.

School Fee: \$10.00

AT21 WEB DESIGN **GRADES 9-10-11-12**

Students will be introduced to professional web development by building personal and business-related web pages using multimedia software and advanced HTML coding.

School Fee: \$9.00

AT53 DIGITAL MEDIA **GRADES 9-10-11-12**

Students in this course will learn how to create presentations and video aides that are dynamic and that include multimedia elements. They will have the opportunity to create PowerPoint presentations that include hyperlinks and multimedia aspects such as sound files and video footage. In Visio, students will create maps, room layouts, charts and diagrams that can be used in conjunction with PowerPoint presentations. Microsoft Movie Maker software will be used to edit and create video productions that can also be used in conjunction with PowerPoint presentations.

School fee: \$10.00

Course Selection Guide

ART

NOTE: ALL PREREQUISITE CLASSES MUST BE PASSED WITH A “C” OR BETTER TO GO ON TO THE NEXT LEVEL.

A materials fee is charged for all art courses. This provides the minimum amount and quality of materials to complete the course successfully. Students intending to produce portfolio or competition quality work will need to purchase additional materials. Students who plan to continue to study art beyond high school should expect to spend an additional \$25.00 to \$50.00 per class.

NOTE: The art course fees must be paid before supplies will be issued and CANNOT BE WAIVED! Payment is due the first week of class and the fee is used to purchase supplies students will use during the semester. Purchasing supplies through the school saves students over \$30.00 compared to retail prices. Students keep any unused supplies at the end of the semester. Specific fees can be found following each course description.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	*PREREQ
AR12	FOUNDATIONS OF ART	9-10-11-12	2	1.0	NONE
AR13	ART APPRECIATION	9-10-11-12	1	.50	NONE
AR14	BEG. PHOTOGRAPHY	9-10-11-12	1	.50	NONE
AR20	3D DESIGN	9-10-11-12	1	.50	NONE
AR21	*PRINTMAKING	10-11-12	1	.50	AR12
AR22	INTRODUCTION TO PAINTING	10-11-12	1	.50	AR12
AR30	ADV. 3D DESIGN	9-10-11-12	1	.50	AR12 & AR20
AR31	ADV. DRAWING	10-11-12	1	.50	AR12
AR32	ADV. PAINTING	10-11-12	1	.50	AR12 & AR22
AR34	ADV. PHOTOGRAPHY	10-11-12	1	.50	AR14
AR60	AP STUDIO ART	11-12	2	1.0	Application & TR

* This course will be offered in alternating years.

AR12 FOUNDATIONS OF ART GRADES 9-10-11-12

This year-long class will present the elements and principles of design in detail as well teach basic rendering. Students will be given assignments that develop their skills in employing these concepts effectively, and they will learn to draw with a variety of media. They will study proportion, drawing, perspective, and shading.

School Fee: \$65.00 This fee can not be waived and must be paid in full before student will receive art supplies.

AR13 ART APPRECIATION GRADES 9-10-11-12

This course introduces students to past and present periods of art, design, and architecture in order to arouse interest in further study, and for personal growth. Content includes examining art forms and understanding how they relate to contemporary society. Questions like, “What can the art of the past tell us about life and living in a particular culture or time?” will be considered. There is no art making in this class. No prerequisites.

No school fee. Some additional supplies may be needed.

AR14 BEGINNING PHOTOGRAPHY GRADES 9-10-11-12

This is an introductory black-and-white photography class. Students will learn to operate a digital camera and process images using Adobe Photoshop. Students will also learn composition and framing techniques for effective photographic images. Students must supply their own camera. Beginning students need a digital camera with 6 megs or higher.

School Fee: \$50.00 Students can expect to spend \$80-\$100 for personal supplies. This fee can not be waived and must be paid in full before student will receive art supplies.

AR20 3D DESIGN GRADES 9-10-11-12

Students will learn basic methods of creating three-dimensional works of art. Various media such as clay, plaster, wood, paper, and wire may be used.

School Fee: \$50.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

Course Selection Guide

ART

AR21 PRINTMAKING

GRADES 10-11-12

Printmaking is a process through which an original art work may be reproduced numerous times. Basic printmaking techniques will be presented. Students will learn a variety of printmaking processes such as linoleum and wood cut, and screen printing.

(Prereq: Beginning Drawing/Foundations)

School Fee: \$55.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

AR22 INTRODUCTION TO PAINTING

GRADES 10-11-12

Introduction to Painting is an intermediate level course. Students will learn the fundamentals of painting. Serious students will be able to produce work for college entrance portfolios.

(Prereq: AR12 Foundations of Art)

School Fee: \$50.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

AR30 ADVANCED 3D DESIGN

GRADES 9-10-11-12

Students will have an opportunity to explore in depth the creation of their own ideas in three-dimensional form. (Prereq: 3D Design and Foundations of Art)

School Fee: \$50.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

AR31 ADVANCED DRAWING

GRADES 10-11-12

This drawing course emphasizes advanced drawing techniques in various media. The course focuses on subject matter including figure, landscape, architectural rendering, and still life. Students will work on developing the foundations of a college entrance portfolio. (Prereq: Beginning Drawing/Foundations)

School Fee: \$50.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

AR32 ADVANCED PAINTING

GRADES 11-12

This course emphasizes advanced painting techniques. Students will focus on subject matter including figure, landscape, architectural rendering, and still life. Students will continue the development of a college entrance portfolio. (Prereq: Beginning Drawing and Beginning Painting/Foundations)

School Fee: \$50.00 Some additional supplies may be needed. This fee can not be waived and must be paid in full before student will receive art supplies.

AR34 ADVANCED PHOTOGRAPHY

GRADES 10-11-12

Students will learn advanced digital camera and Adobe Photoshop techniques. The emphasis will be on mastering manual exposure and focus controls on the camera. Students must supply their own digital camera with manually adjustable ISO, shutter speed, aperture and focus. (Prereq: AR14 Beginning Photography)

School Fee: \$50.00

Students can expect to spend \$80-\$100 for personal supplies. This fee can not be waived and must be paid in full before student will receive art supplies.

AR60 AP STUDIO ART

GRADES 11-12

AP Studio Art is a course designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. Students can choose a drawing portfolio, 2D Design portfolio or a 3D portfolio to complete the term. The Portfolio will be submitted in May to the College Board for Assessment. The course is available to art students with an application and an art teacher's recommendation. Further information can be found at http://www.collegeboard.com/student/testing/ap/sub_studioart.html.

Cost of exam/portfolio submission is \$86.00. Students are required to obtain all necessary supplies to create their portfolio.

Course Selection Guide

ENGLISH

Students must earn four credits in English (9, 10, 11 and 12) to meet graduation requirements. In addition, students are encouraged to elect additional courses which satisfy their individual needs and interests.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEMESTERS	CREDIT	PREREQ
EN04	ENGLISH 9	9	2	1.00	NONE
EN02	CP ENGLISH 9	9	2	1.00	NONE
EN51	HONORS CP ENGLISH 9	9	2	1.00	TR
EN07	ENGLISH 10	10	2	1.00	TR ONLY
EN08	CP ENGLISH 10	10	2	1.00	EN02 or EN51
EN52	HONORS CP ENGLISH 10	10	2	1.00	EN02 or EN51 & TR
EN55	CP ENGLISH 11	11	2	1.00	EN08 or EN52
EN53	HONORS CP ENGLISH 11	11	2	1.00	EN08 or EN52 & TR
EN33	CP ENG 12 Comp for College	12	1	.50	EN55 or EN53 & TR
EN34	CP ENG 12 Comp for College (digital)	12	1	.50	EN55 or EN53, TR & laptop
EN26	ENG 12 Developmental Reading/Comp	12	2	1.00	EN55
EN27	CP ENGLISH 12 Literature A Survey of Contemporary Fiction	12	1	.50	EN55 or EN53
EN47	CP ENGLISH 12 Literature B Survey of Mystery	12	1	.50	EN55 or EN53
EN48	CP ENGLISH 12 Literature C Survey of British Literature	12	1	.50	EN55 or EN53
EN54	AP ENGLISH 12 Literature and Composition	12	2	1.00	EN55 or EN53 plus TR & application

Summary of grade 12: Two semesters of senior English (composition and literature) are required for graduation. This requirement can be met in one of three ways:

- 1) AP English Literature and Composition (both semesters)
- 2) English 12 (both semesters). This is a non_college-preparatory class.
- 3) One semester of EN33 Comp for College or EN34 Comp for College (digital) and one semester of one of the following literature classes:
 - a. Contemporary Fiction
 - b. Mystery
 - c. British Literature

Electives: English Electives may not be used to satisfy graduation requirements.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEMESTERS	CREDIT	PREREQ
EN61	Publications - Yearbook	9-10-11-12	2	1.00	TR
EN62	AP English Language & Composition	11-12	2	1.00	TR
EN63	Speech Communications	11-12	1	.50	EN07 or EN08
EN65	Creative Writing	10-11-12	1	.50	EN02 or EN51

Course Selection Guide

ENGLISH

COURSES REQUIRED FOR GRADE 9

Students must earn four credits in English (9, 10, 11, and 12) to meet graduation requirements. In addition, students are encouraged to elect additional courses which satisfy their individual needs and interests.

EN04 ENGLISH 9 GRADE 9

This year-long course involves work in the various aspects of communication. In composition, students will organize and write effective paragraphs with sentence variety. They will continue to explore literature and develop appropriate reading strategies. Students will be expected to demonstrate appropriate vocabulary development. All students will be provided opportunities to develop oral communication skills. (Based on teacher recommendation)

School Fee: \$18.00 – novel and workbook

EN02 CP ENGLISH 9 GRADE 9

This year-long course involves work in the various aspects of communication. In composition, students will organize and write effective paragraphs with sentence variety. They will continue to explore literature and develop appropriate reading strategies. Students will be expected to demonstrate appropriate vocabulary development. Since this is a college preparatory course, the expectation is that students will complete most reading and writing assignments outside of the classroom. All students will be provided opportunities to develop oral communication skills.

School Fee: \$18.00 - novel and vocabulary book

EN51 HONORS CP ENGLISH 9 GRADE 9

This year-long course involves intensive work in enhancing language arts skills. Extensive reading and writing will be expected of students enrolling in this course. Also, improvement of listening, speaking, and viewing skills will be emphasized. A summer reading list of four novels must be completed prior to the beginning of the school year. (Prereq: teacher recommendation and entrance test)

School Fee: \$18.00 – novel and vocabulary book

COURSES REQUIRED FOR GRADE 10

EN07 ENGLISH 10 GRADE 10

This skills-based course is designed to help students improve their performance in reading, writing, speaking, and listening. Students will strengthen their ability to comprehend, analyze and evaluate as they read and respond to a variety of works of fiction, nonfiction, poetry, and drama. The emphasis will be on analysis and persuasive writing. (Prereq: CP English 9 AND teacher recommendation required)

School Fee: \$38.00-research manual, workbook, novel (includes PSAT test fee)

ENGLISH 10 Intervention Lab

All students who are referred by their English 9 teacher must sign up for a study hall. They will be required to come to the English 10 Intervention Lab two or three days per week as an integral and graded part of their English 10 class. Students will work on improving their reading, writing, and study skills and will receive support for their English class.

EN08 CP ENGLISH 10 GRADE 10

This year-long course provides opportunities to improve reading, writing, speaking, viewing, and listening skills. Course content is selected to provide preparation for college or technical and/or vocational schools. Completion of a research paper is required for students to pass the course (Prereq: CP English 9 or Honors CP English 9)

School Fee: \$38.00-research manual, novel, vocabulary book (includes PSAT test fee) Personal supplies \$10.00 - \$15.00

EN52 HONORS CP ENGLISH 10 GRADE 10

This year-long course is designed for those students who are willing to strive for more depth and skill in reading, writing, speaking, viewing, and listening. Completion of a summer reading list, including at least four novels, is required prior to the beginning of the school year. Completion of a research paper is required for students to pass the course (Prereq: CP English 9 or Honors CP English 9 and teacher recommendation)

School Fee: \$38.00-research manual, novel, vocabulary book (includes PSAT test fee) Personal supplies \$10.00-\$15.00

COURSES REQUIRED FOR GRADE 11

EN55 CP ENGLISH 11 GRADE 11

This year-long course strengthens the reading, writing, speaking, viewing, and listening skills of students and enhances understanding and appreciation of American Literature. Completion of a research paper is required for students to pass the course. This course requires the completion of one summer reading novel. (Prereq: CP English 10 or Honors CP English 10)

School Fee: \$15.00

Personal supplies \$15.00-\$25.00

EN53 CP ENGLISH 11 HONORS GRADE 11

This year-long course allows motivated students to explore American Literature in both quantity and depth. Completion of a summer reading list, including at least three novels, is required prior to the beginning of the school year. In addition, many formal essays and creative writings will be submitted. Opportunities to improve speaking, viewing, and listening skills also will be provided. A quality research paper is required to pass the course. (Prereq: CP English 10 or Honors CP English 10 and TR)

School Fee: \$15.00

Personal supplies \$15.00 - \$25.00

COURSES REQUIRED FOR GRADE 12

EN33 CP ENGLISH 12 Composition for College GRADE 12

This course prepares students for college-level writing. The focus will be upon using the writing process in formal writing assignments, especially expository and analytical essays. Completion of a quality research paper is required for students to pass the course. This course is required for students entering a four-year college. (Prereq: CP English 11 or Honors CP English 11 and teacher recommendation)

No School Fee Personal supplies \$10.00-\$30.00

EN34 CP ENGLISH 12 Composition for College—Digital Section GRADE 12

This course follows the same curriculum as EN33, but uses a multimodal approach to writing to better prepare students for the digital demands of university courses including web publishing. Students use laptops on a daily basis. Prereq: CP English 11 or Honors CP English 11 and teacher recommendation

No School Fee Personal supplies \$10.00-\$30.00

**AND ONE OF THE FOLLOWING THREE REQUIRED
LITERATURE COURSES LISTED BELOW:**

Make selection based on interest not on teacher. There is no guarantee that a student will have a particular teacher because each year there are changes in teacher assignments.

EN27 CP ENGLISH 12 LITERATURE A (Survey of Contemporary Fiction) GRADE 12

This semester-long course provides students the opportunity to read, analyze, and enjoy several short stories and novels from a variety of different contemporary texts. This study of literature will allow students numerous opportunities to improve their reading and writing skills as well as to improve their speaking, viewing and listening skills. (Prereq: CP English 11 or Honors CP English 11)

No School Fee Personal supplies \$10.00-\$30.00

EN47 CP ENGLISH 12 LITERATURE B (Survey of Mystery) GRADE 12

This course is designed to allow students to explore the history and breadth of the mystery/detective genre. This literature will allow students numerous opportunities to improve their reading and writing skills as well as to increase their speaking, viewing, and listening skills. (Prereq: CP English 11 or Honors CP English 11)

No School Fee Personal supplies \$10.00-\$20.00

EN48 CP ENGLISH 12 LITERATURE C (Survey of British Literature) GRADE 12

The focus of this literature-based course is a study of important works and eras in the development of British Literature from the Anglo-Saxon period to contemporary times. Students will gain familiarity with historical and developmental aspects of a variety of literary movements. Students will also participate in writing, speaking, listening, and viewing activities. (Prereq: CP English 11 or Honors CP English 11)

No School Fee Personal supplies \$10.00-\$20.00

*****ALL SENIOR ENGLISH COURSES REQUIRE THE COMPLETION
OF SUMMER READING**

EN54 AP ENGLISH 12 - LITERATURE AND COMPOSITION GRADE 12

Students are expected to perform at a freshman college level as they investigate literature and communicate their understanding in both oral and written presentations. An extensive research paper is a requirement to pass the course. Also, a summer reading list must be completed prior to the beginning of the school year. This course will prepare students for the AP exam. Students are required to take the AP exam in May.

(Prereq: CP English 11 or Honors CP English 11 plus teacher recommendation and application)

School Fee: \$125.00 for AP Exam and AP test prep. workbook. Personal supplies & books \$20.00-25.00. Please contact the AP coordinator if this fee presents a financial difficulty.

EN26 ENGLISH 12 Developmental Reading and Composition GRADE 12

Developmental Reading and Composition is a course designed for students who would like to continue developing their general reading and writing skills. The effective comprehension of both fiction and non-fiction and the building of background knowledge are emphasized. Writing assignments will build skills in clear, concise, and grammatically correct written communication in a variety of forms. (Prereq: CP English 11)

School Fee: \$15.00

THE FOLLOWING ENGLISH ELECTIVES MAY NOT BE USED TO SATISFY GRADUATION REQUIREMENTS

EN61 PUBLICATIONS-YEARBOOK GRADES 9-10-11-12

Students enrolled in Publications-Yearbook earn one credit per year (may take multiple years for credit) for producing Milford High School's nationally acclaimed yearbook, the Droflim. In the process, students learn and sharpen graphic design, desktop publishing, photography, writing, and other communication skills. These skills can be applied in other classes as well as in various academic areas, especially graphic design, visual communication, advertising, and journalism. Some after school work is required, but many publications students also are involved in other co- and extracurricular activities (including sports and band). (Prereq: Yearbook Adviser's approval)

School Fee: \$20.00

Applications are available from your current English teacher. Students currently enrolled in the class do NOT need to complete an application.

EN62 AP ENGLISH - LANGUAGE AND COMPOSITION GRADES 11-12

AP Language is a full year, elective English class open to juniors and seniors. The course is designed as a rigorous study of language and composition and follows the curricular requirements described in the *AP English Course Description* published by the College Board. The majority of the readings are non-fiction. Students are required to take the AP Language exam in May and also prepare writing portfolios for potential college credit. The course requires summer reading. (Prereq: TR & application)

School fee: \$100 for AP Exam and workbook. Please contact the AP coordinator if this fee presents a financial difficulty.

EN63 SPEECH COMMUNICATIONS GRADES 11-12

This semester long course will introduce students to types of speeches and speaking techniques. Students will be expected to give 8-10 speeches throughout the course of the semester and must be willing to spend some time out of class researching and preparing their speeches. In addition to delivering speeches, students will also study and critique famous speeches from the past and present community leaders to evaluate the impact those speeches had or will have on history. (Prereq: CP English 10 or Honors CP English10)

No School Fee

EN65 CREATIVE WRITING GRADES 10-11-12

In this one-semester course, students will enjoy writing creatively and reading poetry, will learn to write and talk about poetry, and will write their own poetry, stories, and other creative nonfiction pieces. The course is based on the belief that creative writing and poetry are connected with our real lives and that reading and writing empower us to understand and enjoy these lives more fully. (Prereq: CP English 9 or Honors CP English 9)

No School Fee

Course Selection Guide

FOREIGN LANGUAGE

Foreign language is NOT required for graduation, but is strongly recommended for those planning to attend a four-year college. Most four-year colleges require at least two years of the same language. Two-year colleges often do not require foreign language for admission.

Communication among nations and people is vital in today's world. Knowledge of a foreign language has become a marketable skill and asset. Through foreign language study, one develops an appreciation for the varied cultures of the world and perhaps even a better understanding of different cultures within American society. Students are encouraged to register for any one or several of the courses offered.

Students who want to learn how to converse in a foreign language should choose from the modern foreign languages: French, German, or Spanish. The emphasis in Latin is more on reading and translation of classical literature.

Students must have a C or better average in both English and math before enrolling in a Foreign Language class. Additionally, math and English TEST GRADES should also average at least a C. It is strongly recommended that freshmen who do not possess strong study skills and who are not enrolled in Algebra I wait until their sophomore year to begin a language.

A student must have the following minimum grade point average (for the entire year) in his/her Foreign Language class (especially in test and quizzes) to be able to proceed to the next level of Foreign Language:

To advance from the 1st year to the 2nd year – at least a 2.0 average (C)*

To advance from the 2nd year to the 3rd year – at least a 2.0 average (C)

To advance from the 3rd year to the 4th year – at least a 2.5 average (B)

*To ensure success in the second-year language class, students must have a solid grasp of basic first-year vocabulary and grammar concepts.

For students to move to a higher level of a language they must have the approval of the previous year's language teacher. This approval will not be given to those who pass a lower level language class with an average lower than those listed above. These students should consider repeating the lower level of the language. This will give the students the opportunity to master the skills needed to be successful in the higher level of language study. Students who choose to do this will take advantage of the Educational Option (see page 5). Students who choose to go to the higher level of a language without teacher approval must submit the Scheduling Waiver Contract, signed by their parents, and fully understand the obligations and constraints imposed by that contract.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
FL01	FRENCH I	9-10-11-12	2	1.00	MATH/ENG with a C or better AVG
FL02	FRENCH II	9-10-11-12	2	1.00	FL01 with a C or better AVG
FL03	FRENCH III	10-11-12	2	1.00	FL02 with a C or better AVG
FL04	FRENCH IV	11-12	2	1.00	FL03 with a B or better AVG
FL11	GERMAN I	9-10-11-12	2	1.00	MATH/ENG with a C or better AVG
FL12	GERMAN II	9-10-11-12	2	1.00	FL11 with a C or better AVG
FL13	GERMAN III	10-11-12	2	1.00	FL12 with a C or better AVG
FL14	GERMAN IV	11-12	2	1.00	FL13 with a B or better AVG
FL15	GERMAN V	12	2	1.00	FL14 with a B or better AVG
FL21	LATIN I	9-10-11-12	2	1.00	MATH/ENG with a C or better AVG
FL22	LATIN II	10-11-12	2	1.00	FL21 with a C or better AVG
FL23	LATIN III	11-12	2	1.00	FL22 with a C or better AVG
FL24	LATIN IV	11-12	2	1.00	FL23 with a C or better AVG
FL31	SPANISH I	9-10-11-12	2	1.00	MATH/ENG with a C or better AVG
FL32	SPANISH II	9-10-11-12	2	1.00	FL31 with a C or better AVG
FL33	SPANISH III	10-11-12	2	1.00	FL32 with a C or better AVG
FL34	SPANISH IV/AP SPANISH	11-12	2	1.00	FL33 with a B or better AVG
FL35	AP SPANISH V	12	2	1.00	FL34 with a B or better AVG
FL41	MANDARIN CHINESE I	9-10-11-12	2	1.00	NONE
FL42	MANDARIN CHINESE II	10-11-12	2	1.00	FL 41
SA25	WORLD MYTHOLOGY	11-12	1	.50	NONE

NOTE: Students should plan to purchase a recommended foreign language dictionary at a cost of \$6.00- \$7.00. Fees are subject to change.

Course Selection Guide

FOREIGN LANGUAGE

FL01 FRENCH I GRADES 9-10-11-12

This is a class for college bound students. It is recommended that freshmen who do not possess strong study skills wait until their sophomore year to begin a language. This course is the beginning level in a study of the French language based on the following comprehension skills: listening, speaking, reading, and writing. An integral aspect of French studies is the culture of the French-speaking world. (Prereq: English and math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math.)

School Fee: \$21.00

FL02 FRENCH II GRADES 9-10-11-12

The second level of French study is an intensive course emphasizing language comprehension through the four basic skills of listening, speaking, reading, and writing. Oral proficiency evaluation continues as an integral aspect of the study. (Prereq: French I with a C or better)

School Fee: \$21.00

FL03 FRENCH III GRADES 10-11-12

This course consists of an intensive study of grammar and an increased emphasis on oral proficiency in a comprehension based system for improving the four language skill areas. The course also emphasizes culture and literary works of the French-speaking world. (Prereq: French II with a C or better)

School Fee: \$21.00

FL04 FRENCH IV GRADES 11-12

The French IV level is sequential to French III with emphasis on the four language skills and oral proficiency. Students will review and extend grammar and vocabulary aspects. By reading various literary selections, an awareness and appreciation of Franco-phone literature are integrated into this course. Students taking this course may be able to receive college credit for a first-year French course. (Prereq: French III with a B or better)

School Fee: \$29.00

FL05 FRENCH V GRADE 12

Advanced course work in French language, literature, culture and civilization is offered. (Prereq: French IV with a B or better)

FL11 GERMAN I GRADES 9-10-11-12

This is a class for college bound students. It is recommended that freshmen who do not possess strong study skills and who are not enrolled in Algebra I wait until their sophomore year to begin a language. This course is an introduction to the German language, culture, and customs. It emphasizes listening, speaking, reading, grammar, and comprehension skills. (Prereq: English or Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math)

School Fee: \$16.00

FL12 GERMAN II GRADES 9-10-11-12

Students enrolling in this course will expand their knowledge of the German language and understanding of German culture. Greater emphasis is placed on communication and the grammar needed to read and speak the language. This level continues to explore life in Germany and German-speaking countries. (Prereq: German I with a C or better)

School Fee: \$16.00

FL13 GERMAN III GRADES 10-11-12

This course continues the development of reading, writing, speaking, and listening skills with emphasis on German history and literature selections. Review of basic grammar concepts expand and redefine this area, and everyday German vocabulary continues to be presented and expanded. (Prereq: German II with a C or better)

School Fee: \$14.00

FL14 GERMAN IV GRADES 11-12

This course encourages the student to expand and use new vocabulary along with providing a review of grammar. Students also read short stories, novels, and other types of literature to re-inforce culture and comprehension. Students will be asked to use idiomatic expressions and to discuss original ideas in German. (Prereq: German III with a B or better)

School Fee: \$14.00

FL15 GERMAN V GRADE 12

Continued advanced studies. Students may be given the option of taking the AP exam in German.

FL41 MANDARIN CHINESE I GRADE 9-10-11-12

This is a beginning level course which will introduce students to Mandarin Chinese. Students will learn listening, speaking, reading and writing skills. This course will be taught through an online curriculum.

School Fee: \$50.00 per semester

FL42 MANDARIN CHINESE II GRADE 9-10-11-12

This is the second level course that builds on what was introduced in Mandarin Chinese I. Students will learn listening, speaking, reading and writing skills in a more in-depth level. This course will be taught through an online curriculum.

School Fee: \$50.00 per semester

Course Selection Guide

FL21 LATIN I GRADES 9-10-11-12

This is a class for college-bound students. It is recommended that freshmen who do not possess strong study skills wait until their sophomore year to begin a language. This is an introduction to basic subject-object-verb patterns in Latin literature. Reading selections follow the events in the lives of the members of a Roman family. Additional readings which give knowledge of Latin history and mythology are used to increase understanding of language and vocabulary with emphasis on word derivation in English. (Prereq: English and Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math) No School Fee

FL22 LATIN II GRADES 10-11-12

Latin II is the second-year course in Latin. It includes a review of conjugations and declensions, while introducing new verb forms and new grammar--especially the forms and uses of the subjunctive mood, the gerund, and the gerundive. Greater emphasis on word derivation is achieved through translation of Latin authors such as Livy, Caesar, Ovid, Cicero, and others. Ancient myths and medieval Latin may be explored as time permits. (Prereq: Latin I with a C or better) No School Fee

FL23 LATIN III GRADES 11-12

This course is a continuation of Latin II with increased emphasis on literature and the style of Latin authors. (Prereq: Latin II with a C or better) No School Fee

FL24 LATIN IV GRADES 11-12

This course is available as independent study. A continuation of Latin III with increased emphasis on the style of Latin authors and the Roman government. (Prereq: Latin III with a C or better) No School Fee

FL31 SPANISH I GRADES 9-10-11-12

This is a class for college bound students. This is a beginning course in the Spanish language in which students will study basic vocabulary and present tense grammatical structures. Emphasis is also placed on developing speaking, listening, reading, and writing skills in the language. (Prereq: English and Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math)) School Fee: \$18.00

FL32 SPANISH II GRADES 9-10-11-12

This course is a continuation of Spanish I. Students will study more complex vocabulary and grammatical structures including a detailed study of the past tense. As in Spanish I, listening, and speaking skills are stressed and oral participation is encouraged. Aspects of Spanish and Latin American cultures are studied. (Prereq: Spanish I with a C or better both semesters) School Fee: \$18.00

FL33 SPANISH III GRADES 10-11-12

Students will study advanced vocabulary and grammatical structures, including all moods and tenses in Spanish. Having an increased emphasis on oral proficiency, the class is conducted primarily in Spanish. Students will be expected to write weekly compositions, read authentic selections, and speak in Spanish as much as possible. (Prereq: Spanish II with a C or better)

School Fee: \$18.00

**Spanish III is the equivalent of 1st year Spanish at the university level.

FL34 SPANISH IV/AP SPANISH GRADES 11-12

Students will review and refine skills in all tenses and moods of Spanish grammar. Aspects of Spanish and Latin American history and culture will be studied. Students will be required to read authentic literature selections, write essays, and participate actively in Spanish. The course is taught entirely in Spanish. Students taking this course may be able to receive college credit for a first-year Spanish course. Students electing to take the AP component will be required to take the AP exam in May. (Prereq: Spanish III with a B or better plus teacher recommendation & application)

School Fee: None

**Spanish IV is the equivalent of 2nd year Spanish at the university level.

FL35 ADVANCED PLACEMENT SPANISH V GRADE 12

This course will include advanced studies in grammar and vocabulary in preparation for the AP Spanish Language Exam. Students will be required to write several compositions, read a variety of genres (essays, excerpts from novels, articles and short stories) and discuss them in Spanish. Students will also be expected to speak entirely in Spanish for the duration of the course. Students enrolled in the class are required to take the May AP exam. After the AP exam, the students will have a final project. Students taking this course may be able to receive college credit for a second-year Spanish course. (Prereq: Spanish IV with a B or better plus teacher recommendation & application)

SA25 WORLD MYTHOLOGY GRADES 11-12

This course is an introduction to the mythological world from the creation of the universe, gods, and man to the Age of Heroes. This course will teach Greek and Roman Mythology as it compares to the mythology of many other cultures of the ancient and modern world. This elective will require the student to read material assigned from various sources, in addition to the textbook, to write stories, summaries and to create some special projects. Students should sign up for this class ONLY if they are willing to devote an appropriate amount of time to these special projects.

No School Fee

Course Selection Guide

HEALTH & PHYSICAL EDUCATION

The State of Ohio requires that all students earn 0.5 credit (one semester) in Health to meet graduation requirements.

The Health curriculum is designed to provide learning experiences which can favorably influence the student's understanding, attitude, and behavior in respect to his/her personal life and the world community. In today's world, students need to assume an ever increasing responsibility for their own health.

NOTE: Students who plan to attend vocational school must complete the health requirement by the end of the 10th grade.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
HL01	HEALTH	9-10-11-12	1	.50	NONE

HL01 HEALTH GRADES 9-10-11-12

This required course meets The Ohio Department of Education requirements, including units of study on relationships, reproduction, sexually transmitted diseases, other diseases, substance abuse, CPR, nutrition, and wellness.

School Fee \$2.00

PHYSICAL EDUCATION

The Ohio Department of Education requires that all students receiving a high school diploma shall have completed successfully 0.5 credit (two semesters) of physical education. Students have the option of completing all or part of this requirement in summer school.

Students will not be allowed to enroll in a physical education class for which they have already received credit, unless they have written permission from a physical education instructor.

All students will be required to wear the t-shirt issued by the Physical Education Department. The cost is included in the school fee. Students must provide their own shorts or sweatpants. Students who take two physical education classes in the same school year may receive a \$5.00 fee waiver from the physical education teacher when they show that they have the required t-shirt. Additional t-shirts will be available for sale in the school book store.

(Waiver of High School Physical Education Curriculum and Graduation Requirement for High School Students Participating in District-Sponsored Interscholastic Athletics, Marching Band, Cheerleading or JROTC)

As permitted by Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from the physical education course requirement by participating in District-sponsored interscholastic athletics, marching band or cheerleading for at least two athletic seasons during high school grades 9-11. The Ohio Revised Code defines District-sponsored interscholastic athletics, marching band or cheerleading as any high school athletic team, high school cheerleading squad or high school marching band of the Milford School District that participates in the District's regular athletic season(s)(as such seasons are established under the rules and bylaws of the Ohio High School Athletic Association) and is operated under the supervision of a District employee. Club activities and/or club sports are not considered part of District-sponsored athletics, marching band or cheerleading.

High school students in grades 9-11 who meet this requirement shall not be required to complete any physical education course as a condition to graduate. In order to be eligible for graduation, a high school student who is excused from the high school physical education class requirement must complete at least 60 hours of instruction (one semester) in another course of study. Such 60 hours of instruction shall be separate from and in addition to all other courses of study and hours of instruction that are required to graduate.

Course Selection Guide

HEALTH & PHYSICAL EDUCATION

At the conclusion of each season, coaches/band directors will submit a roster of students who have satisfactorily completed the season (a minimum of 60 contact hours). The guidance office of the high school will track and record this information.

As stated in Section 3313.603 of the Ohio Revised Code, a student who has participated in JROTC for at least two full school years prior to his/her senior year is not required to complete any physical education courses as a condition to graduate. In addition, the academic credit received from participating in JROTC may be used to satisfy the one-half unit of Physical Education and completion of another course is not necessary for graduation.

A high school student who has not fulfilled his/her physical education requirement prior to the beginning of his/her senior year will be scheduled into a physical education class. Participation in District-sponsored interscholastic athletics, marching band, cheerleading or JROTC during the senior year cannot be used to fulfill the physical education graduation requirement.

A high school student who has earned $\frac{1}{4}$ physical education credit prior to the start of the 2011-2012 school year can finish the physical education requirement either through completion of another physical education course, through participation in two athletic seasons, or through participation in JROTC for two full years. Participation in District-sponsored interscholastic athletics, marching band, cheerleading seasons or in JROTC prior to the 2011-2012 school year (July 1, 2011) cannot be used to fulfill the physical education requirement.

Participating in District-sponsored interscholastic athletics, marching band, cheerleading and/or JROTC is a privilege and not a right. This policy shall not in anyway be construed as granting a student the right to participate in such District-sponsored interscholastic athletics, marching band, cheerleading or JROTC. A student who participates in District-sponsored interscholastic athletics, marching band, cheerleading and is excused from the physical education course requirement pursuant to this policy earns no high school credit for such participation. All District rules and policies, including, but not limited to, the Code of Conduct for Student Participation in Extracurricular Activities continue to apply in full and without limitation to such student's ability to participate or to continue to participate in District-sponsored interscholastic athletics, marching band and/or cheerleading. In addition, any student so participating pursuant to this policy shall be subject to any athletic fee and/or "Pay-to-Participate" fee and, pursuant to other Board policy and/or rules, nonpayment of any such fee(s) will result in denial of participation in the activity.

PHYSICAL EDUCATION

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
PE01	P.E. I	9-10	1	.25	NONE
PE02	P.E. II	9-10	1	.25	NONE
PE03	LIFETIME FITNESS	11-12	1	.25	NONE
PE04	LIFETIME SPORTS AND ACTIVITIES	11-12	1	.25	NONE

PE01 P.E. I

GRADES 9-10

This course involves participation and instruction in the following activities: Badminton, Basketball, Bowling, Table Tennis, Flag Football, Floor Hockey, Golf, Softball, Tennis, Volleyball, and other related sports and activities. A swimming component is also included. Physical fitness and flexibility will be included on a weekly basis. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang.
School Fee: \$10.00

PE02 P.E. II

GRADES 9-10

This course involves participation and instruction in the following activities: Archery, Badminton, Climbing Wall, Soccer, Speedball, Simming Activities, Tennis, Volleyball, and other related sports and activities. A swimming component is also included. Physical fitness and flexibility will be included on a weekly basis. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang. School Fee: \$10.00

Course Selection Guide

HEALTH & PHYSICAL EDUCATION

PE03 LIFETIME FITNESS GRADES 11-12

This course involves participation and instruction in the following activities: Agility/Speed Training, Cardiovascular Training, Climbing Wall, Crossfit Training, Individual Fitness Plans, Strength Training, Swimming Activities, Walking/Jogging/Running, Yoga, and other related activities. Physical fitness and flexibility will be included on a daily basis. Assessment of fitness levels will be included throughout the semester. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang. Students should also be able to complete all components of the Survival Swim Test at the conclusion of the swimming unit.

Prerequisite: Completion of P.E. I and P.E. II or two P.E. credits through the Ohio Core, Flex Credit, or Summer School.

School Fee: \$10.00

PE04 LIFETIME SPORTS AND ACTIVITIES GRADES 11-12

This course involves participation and instruction in the following activities: Archery, Badminton, Flag Football, Golf, Soccer, Softball, Tennis, Volleyball, and other related sports/activities.

This class is for students who want to learn not only how to play the game, but also strategies and techniques involved with these games. Physical fitness and flexibility will be included on a weekly basis. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang.

Prerequisite: Completion of P.E. I, P.E. II or two P.E. credits through the Ohio Core, Flex Credit, or Summer School.

School Fee: \$10.00

The mathematics curriculum is currently being revised and will be finalized in the spring of 2011.

Students in the class of 2012 and 2013 must earn three credits in math to meet graduation requirements. **Beginning with the class of 2014, students will be required to earn four credits in math, including Algebra II.**

The Mathematics Department at Milford High School offers a comprehensive program for both college bound and non-college bound students. Students should take enough math so they can function successfully in whatever field they choose after graduation. (Please refer to possible course sequences on the next page.)

COLLEGE BOUND STUDENTS

The Mathematics Department at Milford High School recommends that all college bound students take four years of mathematics. Algebra I, Geometry, and Algebra II are highly recommended. Taking four years of math will increase the student's chances of scoring well on the SAT and ACT, and will increase the student's chances of being accepted at the college of his/her choice. Finally, taking four years of math will help students perform better in college and increase their chances of graduating. Pre-Calculus and Algebra III are the recommended choices in the student's senior year. AP Statistics is also available and is recommended for students who plan to have a math or science major in college.

NON-COLLEGE BOUND STUDENTS

The Mathematics Department recommends that the non-college bound students seriously consider taking four years of math. Since today's careers require more math skills than ever, students will benefit by being better qualified for a job and more likely than other applicants to be hired. If a student changes his/her mind and elects to go to college, the student will already have some of the math needed to be successful. The Math Department strongly recommends that all students take as many math courses as possible.

ADVANCED PLACEMENT-HONORS PROGRAM

The Honors Program offers the more capable math students an opportunity to take advanced math courses. Students who wish to participate in this program must have their math teacher's approval for registration each year. Students may be removed from an honors course at any time for lack of achievement. This five-year program begins with eighth grade Honors Algebra I and culminates with Advanced Placement Calculus and/or AP Statistics. Students who complete the program have the opportunity to earn college credit in math by taking a standardized AP Calculus test given in May. A lab fee in AP Calculus will be charged to cover materials and the AP exam.

All students in the Honors Program in grades 10-12 WILL BE REQUIRED to have a Texas Instrument TI-83+ or higher.

MATH DEPARTMENT PLACEMENT POLICIES

The Mathematics Department works closely with the school counselors to ensure that students are placed in a class that will develop their mathematical potential as fully as possible. Because proper placement is essential for success, teachers must approve a student's course selection by initialing the course selection worksheet.

Before a student may enroll in a math course, he/she must pass both semesters of the prerequisite course. If a student fails a course, we strongly suggest he/she attend summer school to make up the credit. Otherwise, the student must repeat the course the following school year. If a student passes one semester and fails the other, it is recommended that the student repeat both semesters. The Educational Option allows a student to earn a credit for the semester that is repeated. This credit does not count toward the three math credits required for graduation, but does count as an elective credit. (See page 5)

SPECIAL MATH TESTING

EMPT – Students in all Algebra II classes will take the Early Mathematics Placement Test (EMPT) given and scored by The Ohio State University.

Course Selection Guide

Class of 2014

Honors Geometry	Honors Geometry	Geometry	Geometry	Geometry	Algebra I
Honors Algebra II	CP Algebra II	Algebra II	CP Algebra II	CP Algebra II	Geometry
Honors Precalculus & Trigonometry	Precalculus & Trigonometry	Algebra III or AP Statistics	Algebra III	Precalculus & Trigonometry	Algebra II
AP Calculus and/or AP Statistics	AP Statistics or another advanced math course*	Precalculus & Trigonometry, AP Statistics or another advanced math course*	AP Statistics, Precalculus & Trigonometry or another advanced math course*	AP Statistics or another advanced math course*	Algebra III, AP Statistics or another advanced math course

The math curriculum, including the sequences, is currently under review. The courses and sequence will be final in May. *Additional senior math courses are being written.

Beginning with the Class of 2014, the requirements of the Ohio Core must be met: 4 units (4 years) of mathematics, one of which must be Algebra II.

Class of 2012 and Class of 2013

Honors Geometry	Geometry	Geometry	Applied Algebra I	Algebra I	Algebra I
Honors Algebra II	CP Algebra II	CP Algebra II	Algebra I	Geometry	Geometry
Honors Precalculus & Trigonometry	Precalculus & Trigonometry	Algebra III	Geometry	CP Algebra II	Algebra II
AP Calculus and/or AP Statistics	AP Statistics and/or another advanced math course*	AP Statistics, Precalculus & Trigonometry and/or another advanced math course*	CP Algebra II or Algebra II	Precalculus & Trigonometry and/or AP Statistics	Algebra III or another advanced math courses

Students through the graduating class of 2013 must have 3 credits in math. Students need 1 credit in Algebra and 1 credit in Geometry.

The math curriculum, including the sequences, is currently under review. The courses and sequence will be final in May. *Additional senior math courses are being written.

Course Selection Guide

MATHEMATICS

Before students may enroll in a math course, they must pass both semesters of the prerequisite course.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
MA11	ALGEBRA I	9-10-11-12	2	1.00	NONE
MA12	GEOMETRY	9-10-11-12	2	1.00	MA11 & TR or HONORS ALG. I (8th grade)
MA13	HONORS GEOMETRY	9	2	1.00	HONORS ALG. I (8 TH grade) & TR
MA21	ALGEBRA II	10-11-12	2	1.00	MA 11 & MA12 & TR or HONORS ALG. I (8th grade)
MA22	CP ALGEBRA II	10-11-12	2	1.00	MA11 or HONORS ALG. I (8 TH grade) & MA13 or MA12 and TR
MA23	HONORS ALGEBRA II	10	2	1.00	MA13 & TR
MA31	ALGEBRA III	11-12	2	1.00	MA23 or MA21 or MA22 & TR
MA32	PRECALCULUS & TRIGONOMETRY	11-12	2	1.00	MA23 or MA21 or MA 22 & TR
MA33	HONORS PRE-CALCULUS & TRIGONOMETRY	11	2	1.00	MA13 & MA23 & TR
MA50	ADV. PLACEMENT STATISTICS	11-12	2	1.00	MA33 or MA32 plus TR & application (may be taken concurrently)
MA51	ADV. PLACEMENT CALCULUS	12	2	1.00	MA33 plus TR & application

MA11 ALGEBRA I GRADES 9-10-11-12

This course provides an in-depth approach to learning algebra for those students ready for a college preparatory Algebra I course. It covers all of the concepts of algebra including the exploration and generalization of arithmetic relations using letters to represent variable quantities.

No School Fee

MA12 GEOMETRY GRADES 9-10-11-12

This course provides an in-depth approach to learning geometry for those students ready for a college preparatory geometry course. It covers all of the concepts of geometry including plane figures, solid figures, similarity, circles, angles and their measures, parallel lines and planes, logic, proofs, triangles, and trigonometry. (Prereq: Algebra I and teacher recommendation)

School Fee: \$6.00

MA13 HONORS GEOMETRY GRADE 9

This course provides an in-depth approach to learning geometry for those students ready for an Honors Geometry course. It covers all of the concepts of geometry including plane figures, solid figures, similarity, circles, angles and their measures, parallel lines and planes, logic, proofs, triangles, and trigonometry. This course is the second step in the progression toward AP Calculus. (Prereq: Honors Algebra I and teacher recommendation)

School Fee: \$6.00

MA21 ALGEBRA II GRADES 10-11-12

This course is the third in the math sequence and it builds on the material learned in Algebra I and Geometry. It covers concepts such as systems of equations, matrices, quadratics, functions, exponents, polynomials, rational expressions, sequences, graphing, trigonometry, and conic sections. (Prereq: Algebra I or Honors Algebra I, Geometry or Honors Geometry, and teacher recommendation)

No School Fee

MA22 CP ALGEBRA II GRADES 10-11

This course covers all of the material presented in Algebra II and also presents more difficult supplementary materials for the college preparatory student. (Prereq: Algebra I or Honors Algebra I, Geometry or Honors Geometry, and teacher recommendation)

No School Fee

MA23 HONORS ALGEBRA II GRADE 10

This course covers all of the material presented in Algebra II and also presents supplementary material which will help prepare the more gifted student for AP Calculus. This course is the third step in the progression toward AP Calculus. (Prereq: Honors Geometry and teacher recommendation)

No School Fee

Course Selection Guide

MATHEMATICS

MA31 ALGEBRA III GRADES 11-12

This course is the fourth in the college preparatory math sequence and is designed for those students not yet ready for Pre-Calculus. It expands and reinforces the material learned in Algebra II, and provides a firm foundation for most college level math classes. (Prereq: Algebra II, Advanced Algebra II or Honors Algebra II, and teacher recommendation)

No School Fee

MA32 PRECALCULUS & TRIGONOMETRY GRADE 11-12

This course is the fourth in the college preparatory math sequence and is designed for those students ready for the rigors of an advanced/honors level math class. It serves as a base for Calculus and covers such topics as polynomial and rational functions, families of graphs, derivatives, matrices, exponential and logarithmic functions, and limits. It is highly recommended that each Pre-Calculus student purchase a TI-89 or TI-83+ graphing calculator. (Prereq: Algebra II, Advanced Algebra II, or Honors Algebra II, and teacher recommendation)

No School Fee

MA33 HONORS PRECALCULUS & TRIGONOMETRY GRADE 11

This course covers all of the materials presented in Pre-Calculus and also presents supplementary materials which will help prepare the more gifted students for AP Calculus. This is the fourth step in the progression toward AP Calculus. (Prereq: Honors Algebra II and teacher recommendation)

No School Fee

MA50 ADVANCED PLACEMENT STATISTICS GRADES 11-12

This is a college level course in statistics. It will combine the deductive reasoning of mathematics with real-world examples and problems found in social science, business, medicine, and the experimental procedures used in natural science. Students will use a variety of methods for planning experiments, obtaining data, organizing, summarizing, presenting, analyzing, interpreting, and drawing conclusions based on the data. Students are required to take an Advanced Placement examination in May for possible college credit. Students are required to have a TI-83+ (or more advanced) graphing calculator for this class. (Prereq: Honors Pre-Calculus or Pre-Calculus plus teacher recommendation and application - may be taken concurrently with this class)

School Fee: \$140.00 (includes cost of the test and workbook). Please contact the AP coordinator if this fee presents a financial difficulty.

MA51 ADVANCED PLACEMENT CALCULUS GRADE 12

This college level Calculus course is the fifth and final course in the honors sequence and is designed to prepare students for the Advanced Placement Test. Students are required to take an Advanced Placement examination in May for possible college credit. This course covers all of the single-variable concepts of Calculus including functions and graphs, limits, derivatives, and integrals. (Prereq: Honors Pre-Calculus plus teacher recommendation and application)

School Fee: \$160.00 (includes cost of the test and workbook). Please contact the AP coordinator if this fee presents a financial difficulty.

Course Selection Guide

MUSIC

MILFORD EAGLE BAND

The Milford Band Program is one of the finest programs in the Greater Cincinnati area. Over the past several years, the concert band, jazz ensemble, and marching band have received numerous awards and honors. The High School Percussion Ensemble has performed at the Ohio Music Education Association (OMEA) State Music Convention and at the Midwest Band and Orchestra Director's Clinic. The Marching Eagles were semifinalists in the Bands of America Grand National Marching Band Contest in Indianapolis in 1996, 1999, 2004, and 2006.

INSTRUMENTAL MUSIC GOALS:

1. To demonstrate, to the extent of the student's capacity, intense involvement in and the response to personal aesthetic experience in music;
2. To think, feel, and act creatively with music materials;
3. To develop manipulative and organizational skills in band music and performance, appropriate to the student's abilities;
4. To acquire a knowledge of man's heritage in great works of music; and
5. To develop a set of values for appreciation, leading to effective living.

REQUIREMENTS:

Band students are required to enroll in band for the entire year. Schedule conflicts or other school activity conflicts can be resolved on an individual basis with the director. Band camp, which is held the three weeks before school starts, is required of all marching band members. ALL NINTH GRADE BAND MEMBERS ARE REQUIRED TO PARTICIPATE IN MARCHING BAND (UNLESS THEY ARE INVOLVED IN A SCHOOL SPONSORED FALL SPORT.) Eighth grade band students will be given a packet of information in the spring that will include a status form on which they may indicate their intentions to participate in either Concert Band and Marching Band or Concert Band and a school sponsored fall sport.

All Marching Band wind players are required to participate in the fall football pep band.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
MU01	CONCERT BAND	9-10-11-12	2	1.00	JR. HIGH BAND or TR
MU02	SYMPHONIC BAND	10-11-12	2	1.00	CONCERT BAND & AUDITION
MU03	MARCHING PERCUSSION CLASS	9-10-11-12	1	.50	JR. HIGH BAND
MU04	MEN'S CHOIR	10-11-12	2	1.00	AUDITION
MU05	WOMEN'S CHOIR	10-11-12	2	1.00	AUDITION
MU06 X	VOICE CLASS	9-10-11-12	1	.50	NONE
MU08	FRESHMAN CHORUS	9	2	1.00	NONE
MU09	CONCERT CHOIR	10-11-12	2	1.00	TR
MU10	SHOW CHOIR	10-11-12	2	1.00	TR
MU07 X	MUSIC THEORY	10-11-12	1	.50	TR
MU12 X	MUSIC APPRECIATION	10-11-12	1	.50	NONE

X - WILL BE OFFERED DURING THE 2011-2012 SCHOOL YEAR; THEN OFFERED IN ALTERNATE YEARS. VOICE CLASS WILL BE OFFERED DURING THE FALL SEMESTER AND MUSIC APPRECIATION WILL BE OFFERED DURING THE SPRING SEMESTER.

Course Selection Guide

MUSIC

MU01 CONCERT BAND GRADES 9-10-11-12

Concert Band is composed of wind instrumentalists in grades 9-12. This band concentrates on performing quality concert band literature and the development of musicianship. The band performs at a number of concerts during the year. The band also performs at the Ohio Music Education Association (OMEA) Solo and Ensemble Contest and the OMEA District 14 Concert Band Contest. Everyone is encouraged to perform in a small ensemble and audition for area honor bands. Auditions for chair placement in the concert band consists of prepared music, scales, and sight-reading. (Prereq: successful completion of 8th grade band or director's approval) **ALL NINTH GRADE BAND MEMBERS ARE REQUIRED TO PARTICIPATE IN MARCHING BAND (UNLESS THEY ARE INVOLVED IN A SCHOOL SPONSORED FALL SPORT).***

All Concert Band members are required to participate in the basketball pep band and will perform at 5 home games.

School Fee: \$44.00

This fee cannot be waived.

MU02 SYMPHONIC BAND GRADES 10-11-12

Symphonic Band is composed of select instrumentalists in grades 10-11-12. Entry into this ensemble is by audition. This band concentrates on performing advanced symphonic literature and the development of musicianship. Band members perform at a number of concerts during the year. The band also performs at the Ohio Music Education Association (OMEA) Solo and Ensemble Contest and the OMEA District 14 Concert Band Contest. Everyone is encouraged to perform in a small ensemble and audition for area honor bands. Auditions for chair placement in the symphonic band cover prepared music, scales, and sight-reading. (Prereq: Concert Band and audition)

All Symphonic Band members are required to participate in the basketball pep band and will perform at 5 home games.

School Fee: \$44.00

This fee cannot be waived.

MU03 MARCHING PERCUSSION CLASS GRADES 9-10-11-12

Marching Percussion Class will include all those students who are participating in the Marching Band percussion section in the fall. Rudimentary snare drum and mallet experience is required to take this class. Percussionists who are not members of the Marching Band should sign up for either Concert Band or Symphonic Band for the full year, based on their spring audition. (Prereq: successful completion of 8th grade band or director's approval). **ALL NINTH GRADE BAND MEMBERS ARE REQUIRED TO PARTICIPATE IN MARCHING BAND (UNLESS THEY ARE INVOLVED IN A SCHOOL SPONSORED FALL SPORT).**

School Fee: \$44.00

This fee cannot be waived.

STUDENTS WILL BE IN MARCHING PERCUSSION CLASS FIRST SEMESTER ONLY, AND WILL BE IN EITHER CONCERT OR SYMPHONIC BAND SECOND SEMESTER.

MARCHING BAND GRADES 9-10-11-12

Marching Band is composed of band students in grades 9-12. All ninth grade band members are required to participate in marching band unless they are involved in a school sponsored fall sport. All students enrolled in symphonic band, concert band, and percussion classes are encouraged to participate in marching band. The marching band performs at football games, marching band contests, parades, and some special events. The marching style is a corps presentation with emphasis on proper playing skills and development with self-discipline. The Eagle Band has won many awards over the years. The marching band rehearses Tuesday, Wednesday, and Thursday after school.

Fees charged through appropriate band class.

*Additional non-credit instrumental performance opportunities are available by audition with band directors.

MILFORD HIGH SCHOOL VOCAL GROUPS

MU04 MEN'S CHOIR MU05 WOMEN'S CHOIR GRADES 10-11-12

These year-long courses are open to any sophomore, junior, or senior who passes the audition. In Men's Choir/Women's Choir, students will work on improving musical skills through the performance of various musical styles *(There will be an emphasis on musical skills: breath support, vowel sound, sight-reading and improving singers' range). Students are required to attend ALL concerts and rehearsals (fall, winter, and spring.)

Men's Choir – The Men's Choir will focus on Tenor, Baritone, Bass (TBB) choral literature and sometimes combine with the Women's choir for SATB literature.

Women's Choir – The Women's Choir will focus on Soprano I, Soprano II, Alto (SSA) choral literature and sometimes combine with Men's Choir for SATB literature.

Students wishing to join this chorus after the school year has begun or later in the year must meet with the chorus teacher.

Accompanist needed

School Fee: \$11.00

Course Selection Guide

MUSIC

MU06 VOICE CLASS GRADES 9-10-11-12

In this one-semester course, students will work on correct vocal skills through private and group instruction and lecture. Singers will perform prepared solos for grades as well as take written quizzes and midterm and final exams. The student's singing grade will be determined by individual improvement. The students will not be graded comparatively. This course is open to any student who wants to improve his or her voice. No School Fee

MU08 FRESHMAN CHORUS GRADE 9

This year-long course is open to any freshman. No audition is necessary. This chorus will perform a variety of musical styles. (There will be an emphasis on the following musical skills: breath support, vowel sounds, sight-reading, and improving a singer's range). The students will be responsible for attendance at concerts and rehearsals: fall, winter, and spring.

Students wishing to join this chorus after the school year has begun or later in the year must meet with the chorus teacher.

Accompanist needed

School Fee: \$11.00

MU09 CONCERT CHOIR GRADES 10-11-12

This year-long course is open to sophomores, juniors, and seniors by AUDITION ONLY. This choir is geared more for competition. Singers must have basic, vocal, and music reading skills. They will perform a variety of musical styles, will compete annually in the District 14 Choir Competition, and will perform advanced choral literature. Students will be required to attend these rehearsals and performances: Fall Concert, Winter Concert, various contests, Spring Concert, and Graduation. (Prereq: audition with chorus teacher) Additional performance may be added.

Accompanist needed

School Fee: \$22.00

MU10 SHOW CHOIR GRADES 10-11-12

This year-long course is open to sophomores, juniors, and seniors and consists of a vocal ensemble of 20-30 singers chosen by AUDITION the previous spring. This choir will combine music and dance for performances for schools, local businesses, and community events. The students will compete at solo and ensemble contests and show choir competitions and festivals. The students will need to be available for many performances throughout the year (especially around the holidays). (Prereq: audition with the chorus teacher)

An instrumental combo will be needed consisting of keyboard, drums, bass, and lead guitar.

School Fee: \$22.00

MU07 MUSIC THEORY GRADES 10-11-12

Music Theory is a one-semester general music class which develops skills in the description and analysis of musical and theoretical concepts as well as the development of ear training skills. The study of musical theory should provide the information and the incentive for applying the principles of music to the composition, performance, and historical study of the art. The development of fluent skills in notation and writing, aural-visual analysis, sight-singing, sight-reading, and aural perception are minimum goals to be attained. Final project will be a written and performed original music composition. This is an advanced level music class geared for prospective college music majors. (Prereq: teacher recommendation and ability to read music, based on a specific application process).

Students need to be able to read music (bass and treble clef).
NOTE: Students are permitted to take Music Theory one time only.

School fee: \$45.00 Cost of workbook

MU12 MUSIC APPRECIATION GRADES 10-11-12

Music Appreciation is a one-semester general music course. The class will follow the Music! textbook which includes reading, lecture, listening, and small group work dealing with music of many styles and eras. There will be one group and one individual project. The course is set up to provide students with the knowledge to become better appraisers and appreciators of many kinds of American and other world music.

Course Selection Guide

SCIENCE

NOTE: Registration for all science courses requires the recommendation of the student's current science teacher. It is very important to follow prerequisites and teacher recommendations to ensure the best possible academic success.

A student may take any course, including electives, during any school year if the student meets the prerequisites of the course and has proper teacher recommendation. Students are encouraged to take electives along with their core courses and in years when they do not have science requirements.

ACCELERATION OPTION

Science-oriented students who are interested in taking several science electives during high school may choose to accelerate their science program by taking two of the core courses during one school year. This will allow the student to take more electives during their junior and senior years. Teacher recommendation is required to take this option.

EXAMPLES:

10th Grade

HONORS BIOLOGY AND HONORS CHEMISTRY

11th Grade

HONORS CHEMISTRY AND HONORS PHYSICS

GRADE LEVELS LISTED ARE FOR THE STANDARD SCIENCE SEQUENCE.

A student may take any course if he/she meets the prerequisites and has teacher recommendation, regardless of his/her grade level.

CODE	COURSE TITLE	*GRADE LEVEL	# OF SEM	CREDIT	PREREQ
CORE COURSES:					
SC51	PHYSICAL SCIENCE A	9	1	.50	8th grade Science & TR
SC52	PHYSICAL SCIENCE B	9	1	.50	SC51 & TR
SC01	CP PHYSICAL SCIENCE A	9	1	.50	8th gr. Science with a B or better & TR
SC02	CP PHYSICAL SCIENCE B	9	1	.50	SC01 & TR
SC07	GENERAL SCIENCE A	11	1	.50	TR
SC08	GENERAL SCIENCE B	11	1	.50	SC07 & TR
SC41	BIOLOGY A	10	1	.50	SC51-52 or SC01-02 & TR
SC42	BIOLOGY B	10	1	.50	SC41 & TR
SC30	CP BIOLOGY A	10	1	.50	SC51-52 or SC01-02 & TR
SC31	CP BIOLOGY B	10	1	.50	SC30 & TR
SC18	HONORS BIOLOGY A	9-10	1	.50	SC01-02 with an A & TR
SC19	HONORS BIOLOGY B	9-10	1	.50	SC18 & TR
SC53	ENVIRONMENTAL SCIENCE A	11-12	1	.50	SC 41-42 or SC30-31
SC54	ENVIRONMENTAL SCIENCE B	11-12	1	.50	SC 41-42 or SC30-31
SC55	HONORS ENVIRONMENTAL SCIENCE A	11-12	1	.50	SC18 & 19 or SC30-31 with a B or better & TR
SC56	HONORS ENVIRONMENTAL SCIENCE B	11-12	1	.50	SC 55 & TR
SC39	CP CHEMISTRY	10-11-12	2	1.00	Algebra I & TR
SC24	HONORS CHEMISTRY	10-11-12	2	1.00	Algebra I with a C or better & TR
SC25	CP PHYSICS A	11-12	1	.50	Algebra I with a C or better & TR
SC26	CP PHYSICS B	11-12	1	.50	SC25 & TR
SC27	HONORS PHYSICS A	11-12	1	.50	Algebra I with a C or better & Geometry with a C or better & TR
SC28	HONORS PHYSICS B	11-12	1	.50	SC27 & TR

Course Selection Guide

SCIENCE

ELECTIVES:

SC89	HUMAN ANATOMY/PHYSIOLOGY	10-11-12	1	.50	SC18-19 or SC30-31 with a B or better & TR
SC22	MICROBIOLOGY	10-11-12	1	.50	SC18-19 or SC30-31 with a B or better & TR
SC20	AP BIOLOGY	11-12	2	1.00	Application process, AP instructor approval, SC18-19 with a B or better, or SC30-31 with an A and SC24 with a B or better
SC40	AP CHEMISTRY	11-12	2	1.00	Application process, AP instructor approval & SC24
SC43	AP PHYSICS	11-12	2	1.00	Application process, AP instructor approval, & enrolled in AP Calculus or Pre-Calculus
SC57	AP ENVIRONMENTAL SCIENCE	10-11-12	2	1.00	Application process, AP instructor approval, completed CP Biology and enrolled in CP Chemistry

CORE COURSES:

SC51, SC52 PHYSICAL SCIENCE A, B GRADES 9

Physical Science is a two-semester sequential course designed to help students learn the disciplines of physics, earth science, and chemistry. The course will cover the same topics as CP Physical Science (see course description below), but with less emphasis on math. The math skills necessary for the course will be taught in the class. (Prereq: 8th grade science AND teacher recommendation)

School Fee: \$11.00 each semester

SC01, SC02 CP PHYSICAL SCIENCE A,B GRADE 9

Physical Science CP is a two-semester sequential course in which students will study the laws and principles of the discipline of physics, earth science and chemistry. The first semester will include topics in the metric system, scientific method, structure of the atom, periodic table, chemical reactions and nuclear reactions. The second semester will include topics in motion, forces, waves, energy, heat, structure of the Earth and universe. Students must demonstrate a high level of success in this course to be considered for the Honors sequence. (Prereq: 8th grade science with a B or better AND teacher recommendation)

School Fee: \$11.00 each semester Metric ruler, calculator, and protractor are required

SC07, SC08 GENERAL SCIENCE A, B GRADE 11

General Science is a course designed for students who have experienced difficulties with science and math. General Science is a two-semester sequential course for the non-college bound students. The course will incorporate study skills into the curriculum and preparation for the Ohio Graduation Test (OGT). The topics covered will include three major fields of science: earth, physical, and life science. (Prereq: teacher recommendation)

**This course cannot be counted as a core Science class.

School Fee: \$14.00 each semester

SC41, SC42 BIOLOGY A, B GRADE 10

Biology is a two-semester sequential course designed for students who have experienced limited success in science. Biology is a two-semester sequential course. The course will study with animals, plants, cells, genetics, the environment, and the human body. This course will stress lab work and other hands-on activities. This course will not meet the prerequisites for the biology electives, such as Ecology, Human Anatomy and Physiology, Genetics, and Microbiology (Prereq: Physical Science OR CP Physical Science AND teacher recommendation)

School Fee: \$8.00 each semester

SC30, SC31 CP BIOLOGY A, B GRADE 10

Biology CP is a two-semester sequential course that is offered to those college-bound students who do not expect to pursue any of the science fields after high school, but would like to understand and explore the field of biology. Topics studied in first semester include the following: the condition called "living," the cell and its processes, scientific thinking and methods, basic chemistry, biochemistry, genetics and DNA technology. The student is given a good orientation to general laboratory procedures.

Topics studied in second semester include the following: evolution, ecology, classification and diversity of life, and human anatomy and physiology. Laboratory experiences are used to enrich the course. (Prereq: CP Physical Science OR Physical Science AND teacher recommendation)

School Fee: \$14.00 each semester

Course Selection Guide

SCIENCE

SC18, SC19 HONORS BIOLOGY A, B **GRADES 9-10**

Honors Biology is a two-semester sequential course designed as a challenging college preparatory course with great demands on students to study and work in lab situations. It is the recommended course for those students who will be required to take college biology. Topics studied in Honors Biology A include the following: the condition called "living," the cell and its processes, scientific thinking and methods, basic chemistry, biochemistry, genetics and DNA technology. The student is given a good orientation to general laboratory procedures.

Topics studied in Honors Biology B include the following: evolution, ecology, classification and diversity of life, and human anatomy and physiology. Laboratory experiences are used to enrich the course. (Prereq: CP Physical Science with an A OR Honors Science (8th grade) with a B or better AND teacher recommendation)

School Fee: \$14.00 each semester

SC53, SC54 ENVIRONMENTAL SCIENCE A, B **GRADES 11-12**

Environmental Science is designed to take the information learned in biological, earth, and physical science and look at bigger science related issues facing the human population today. Topics discussed in this class are aimed at exploring issues that impact humans today and looking toward the future. First semester explores population issues, cycles of ecosystems including food chains/webs and energy flow, endangered species, biomes, water management, the water cycle, and watersheds, the study of oceans and our impact on all these systems.

Second semester explores land use issues. We will study how humans use the land, solid waste management, how public lands are used in the United States, and energy issues. The semester ends by considering our place in the space environment, what allows for life here, and what exists beyond the horizon.

This course is intended to be a third or fourth year science course. A specific level of math is not a requirement for the course. Most course work involves class discussions, projects, internet activities, lab analysis, diagrams, and mass media. (Prereq: Physical Science AND Biology with a passing grade AND teacher recommendation)

School Fee: \$10.00 each semester

SC 55, SC56 HONORS ENVIRONMENTAL SCIENCE A, B **GRADES 11,12**

Honors Environmental Science is a two-semester sequential course with an interdisciplinary approach to studying the impact of humans on the environment. Environmental Science draws on ecology, biology, geology, chemistry, economics, and political science. The course integrates natural and social sciences to explore the far-reaching issues caused by human impacts on the environment. The cause, effect, and possible solutions to environmental science issues will be the main focus of the course. The course includes: ecology, human population, agriculture, biodiversity, resource management, water, air, global climate change, energy, land management, sustainable solutions. (Prereq: Honors Biology with a C or better OR CP Biology with a B or better AND teacher recommendation)

School Fee: \$11.00 each semester

SC39 CP CHEMISTRY **GRADES 10, 11, 12**

Chemistry CP is a year-long laboratory course offered to those college-bound students who do not expect to pursue any of the science fields after graduation, yet desire an understanding of the chemical properties of matter. Topics include scientific measurement, classifying matter, the atom and its structure, chemical bonding, formulas and chemical equations, the mole concept and stoichiometry, states of matter, equilibrium, acids & bases, solutions, oxidation & reduction, and thermodynamics. (Prereq: Algebra 1 AND teacher recommendation)

School Fee: \$18.00 Non programmable scientific calculator is required.

SC24 HONORS CHEMISTRY **GRADE 10, 11**

Honors Chemistry is a rigorous first year chemistry lab course designed for the college bound student who is considering a career in science or a related field such as health professions, engineering, or technical fields. It is the prerequisite course for AP Chemistry and the recommended course for students who expect to take chemistry in college.

Areas of study include measurements, the atom, chemical bonding, formula and equation writing, the mole and stoichiometry, states of matter, equilibrium, acids and bases, oxidation and reduction, kinetics and thermodynamics. (Prereq: Algebra 1 with a C or better AND teacher recommendation)

School Fee: \$22.00 Scientific calculator is required.

Course Selection Guide

SCIENCE

SC25, SC26 CP PHYSICS A, B

GRADES 11, 12

CP Physics is a two-semester sequential course designed to give students going into any field in college a firm, more general background in physics. Students leaving this class will be ready to move on to an entry level college physics class. Physics CP emphasizes the understanding and application of the principles of physics on a conceptual level. Students taking Physics CP should have good algebra and problem-solving skills. The class emphasizes a hands-on activity approach to learning physics. The course covers topics in motion, force, energy, momentum, special relativity, heat, atomic structure, waves, sound, light, electricity, circuits, and magnetism. (Prereq: Algebra I with a C or better AND teacher recommendation)

School Fee: \$5.00 each semester Non programmable calculator required.

SC27, SC28 HONORS PHYSICS A, B

GRADES 11,12

Honors Physics is a two-semester sequential course commitment that is geared toward students interested in science related fields in the future. It prepares students to move to an entry level college physics class or a calculus-based physics class. The course itself emphasizes the theories of physics and utilizes mathematics (including some basic trigonometry) to apply these theories to everyday experiences. Applications of the principles of physics in laboratory experiments are an integral part of the class. Approximately sixteen labs are completed as well as many hands-on activities. Many applications of physics in everyday technologies are covered in Honors Physics such as auto collisions, satellite motions, engine design and operation, music, medicine, operations of everyday appliances, lasers, fiber optics, general electrical systems, and technologies in development. The course covers topics in motion, forces, energy, gravitation, momentum, heat, engines, waves, sound, light, electricity, and DC circuits. (Prereq: Algebra I with a C or better AND Geometry with a C or better AND teacher recommendation)

School Fee: \$5.00 each semester Non programmable calculator required.

ELECTIVES:

SC89 HUMAN ANATOMY AND PHYSIOLOGY GRADES 10-11-12

Human Anatomy and Physiology is a one-semester course offered to students wishing to study the human systems in greater detail. The students will study the systems of the human body including the integumentary, skeletal, muscular, nervous, circulatory, digestive, and reproductive systems. The labs will focus on using the microscope to study cell and tissue types and the dissection of a mink and other suitable specimens to study the various systems. (Prereq: Honors Biology with a B or better OR CP Biology with a B or better AND Biology teacher recommendation.)

School Fee: \$28.00 This fee cannot be waived.

SC22 MICROBIOLOGY

GRADES 10-11-12

Microbiology is a one-semester course. The students study the various groups of microorganisms and spend approximately 55% of class time in the lab culturing, identifying bacteria, and practicing bacteriological techniques. Students will study microbiology in everyday life and in the human body. Labs will emphasize bacteria found in/on food, soil, water, milk, the human body, and will include the study of useful microbial activities. Discussions of harmful microorganisms, the diseases and conditions they cause, and the body's resistance and response to such activities will be emphasized. This is a practical course for students choosing health related or food industry careers. (Prereq: Honors Biology with a B or better OR Biology CP with a B or better AND Biology teacher recommendation)

School Fee: \$35.00 This fee cannot be waived.

SC20 ADVANCED PLACEMENT BIOLOGY GRADES 11-12

AP Biology is taught to conform to the Advanced Placement Biology standards. This is a challenging, fast-paced course equivalent to a first year college biology course for majors. A solid background in biology and chemistry is necessary to be successful in this class. The Advanced Placement Biology exam given in May is required. College credit may be granted by colleges based upon a sufficiently high score on this exam. A course fee is charged to cover lab supplies, resource materials and the cost of the AP test. (Prereq: application process, AP instructor approval, Honors Biology with a B or better AND Honors Chemistry with a B or better) School Fee: \$195.00. Please contact the AP coordinator if this fee presents a financial difficulty.

Course Selection Guide

SCIENCE

SC40 ADVANCED PLACEMENT CHEMISTRY GRADES 11-12

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students are required to take the Advanced Placement Chemistry exam in May. College credit may be granted by colleges based on the score on this test. The depth, breadth, and pace of this course will be much more challenging than the first year chemistry course. A lab fee will be charged to cover the cost of examination materials and lab supplies. Students enrolled in this class are required to take the AP exam in May. (Prereq: application process, AP instructor approval AND Honors Chemistry)

School Fee: \$150.00 Scientific calculator is required.

Please contact the AP coordinator if this fee presents a financial difficulty.

SC43 ADVANCED PLACEMENT PHYSICS GRADES 11-12

Advanced Placement Physics is recommended for students who are planning to specialize in physical science or in engineering. The topics covered in the class are mechanics, electricity, and magnetism. The content is calculus-based physics with everyday applications and laboratory work. The calculus used in the class will be taught in the class. Students taking AP Physics will be required to take the AP examination in May. Some colleges may refuse students college physics credit if AP Calculus is not also taken. (Prereq: application process, AP instructor approval AND enrolled in AP Calculus OR Precalculus)

School Fee: \$195.00

Supplemental manual may be needed. Please contact the AP coordinator if this fee presents a financial difficulty.

SC57 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE GRADES 10-11-12

AP Environmental Science is taught to conform to the Advanced Placement Environmental Science standards. This is a challenging, fast-paced course equivalent to a rigorous introductory college Environmental Science course with laboratory activities for high school students. The Advanced Placement Environmental exam given in May is required. College credit may be granted by colleges based upon a sufficiently high score on this exam. A course fee is charged to cover lab supplies, resource materials and the cost of the AP test. (Prereq: application process & TR)

School Fee: \$195.00. Please contact the AP coordinator if this fee presents a financial difficulty.

Course Selection Guide

SOCIAL STUDIES

Students must earn three credits in Social Studies to meet graduation requirements. One credit must be in World Studies, one credit must be in American History, and one credit must be in American Government.

The Social Studies curriculum is designed to give every student insight into the world around him/her. It is designed to impart appreciation of the political, economic, social, and human issues of the people in the United States as well as throughout the cultures of the world. The curriculum includes a number of electives.

College bound students in liberal arts should take as much Social Studies as their schedules will permit because of the direct relationship among Social Studies topics and literature, music, art, and modern languages. For college bound students, electives in Economics, Diversity, Street Law, Sociology, and Psychology are strongly recommended.

Based on the above philosophy, THREE CREDITS of Social Studies classes are required for graduation. These requirements include successfully completing the following courses:

Grade 9: World Studies A and World Studies B

Grade 10: American History A and American History B
or A.P. American History A and B

Grade 12: American Government A and American Government B
or A.P. Government A and B

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
SS40	WORLD STUDIES 9 A	9	1	.50	TR
SS41	WORLD STUDIES 9 B	9	1	.50	TR
SS43	CP WORLD STUDIES A	9	1	.50	NONE
SS44	CP WORLD STUDIES B	9	1	.50	NONE
SS17	PSYCH. HUMAN BEHAVIOR	10-11-12	1	.50	NONE
SS19	ECONOMICS	11-12	1	.50	NONE
SS45	DIVERSITY (MINORITY/WOMEN'S STUDIES)	10-11-12	1	.50	NONE
SS93 X	SOCIOLOGY	10-11-12	1	.50	NONE
SS47	STREET LAW	10-11-12	1	.50	NONE
SS20	AMERICAN HISTORY	10	2	1.0	NONE
SS22	ADV. PLACEMT. AMER. HISTORY A	10- 11-12	1	.50	APPLICATION & TR
SS23	ADV. PLACEMT. AMER. HISTORY B	10-11-12	1	.50	TR & SS22
SS30	AMERICAN GOVERNMENT A	12	1	.50	NONE
SS31	AMERICAN GOVERNMENT B	12	1	.50	NONE
SS49	ADV. PLACEMT. GOVERNMENT A	12	1	.50	APPLICATION & TR
SS50	ADV. PLACEMT. GOVERNMENT B	12	1	.50	APPLICATION & SS49
SS16	AP PSYCHOLOGY	10-11-12	2	1.0	APPLICATION & TR

X= SOCIOLOGY WILL BE OFFERED IN THE 2011-2012 SCHOOL YEAR; AND THEN OFFERED IN ALTERNATING YEARS. STREET LAW WILL NOT BE OFFERED DURING THE 2011-2012 SCHOOL YEAR.

Course Selection Guide

SOCIAL STUDIES

SS40, SS41 WORLD STUDIES 9 A, B GRADE 9

World Studies is an interdependent, multicultural study of history, geography, economics, sociology, and politics with a global perspective. In the changing world of the 21st century, a total social science survey approach helps develop both an understanding of, and an appreciation for, global diversity. A global perspective highlights the similarities, as well as contrasts the differences between cultures. (Prereq: Teacher recommendation)

No School Fee No other supplies needed.

SS43, SS44 CP WORLD STUDIES A, B GRADE 9

World Studies is an interdependent, multicultural study of history, geography, economics, sociology, and politics with a global perspective. In the changing world of the 21st century, a total social science survey approach helps develop both an understanding of, and an appreciation for, global diversity. A global perspective highlights the similarities, as well as contrasts the differences between cultures. Since this is a college preparatory course, the expectation is that students will complete much of the reading and writing assignments outside of the classroom.

No School Fee No other supplies needed.

SS17 PSYCHOLOGY OF HUMAN BEHAVIOR GRADES 10-11-12

This course is a basic introduction to psychology focusing on behavior and practical application of personality and learning theories. Theories of personality will be discussed along with a discussion of normal/abnormal behavior. Some outside reading will be required.

No School Fee

SS19 ECONOMICS GRADES 11-12

This class for juniors or seniors offers the opportunity to master basic concepts of economics. Students will identify key issues in economics and apply these issues in a close look at today's economy. Junior Achievement Applied Economics resources will be utilized. Students will form their own company, develop a strategy to market and sell a product to the public, and purchase one of the items from the company. The personal cost of the item may be covered by the volume of sales. Students may spend time outside of class as they learn to make appropriate decisions to interact with the economy.

No School Fee

SS45 DIVERSITY: A PROGRAM OF MINORITY AND WOMEN'S STUDIES GRADES 10-11-12

This semester-long course will provide students with a "hands on" and experiential opportunity to explore, analyze, and discuss the historical, political, social, and cultural aspects of the diverse populations of the United States. Simulations, role-playing, journal keeping, literature, art, music, films, guest speakers, and field trips will provide the perspectives for the study of a number of groups including, but not limited to African-Americans, Native Americans, Hispanic-Americans, Asian-Americans, and women. Thus, the student will develop a deeper appreciation of America's rich heritage while preparing to live in a multicultural and global society.

No School Fee

SS93 SOCIOLOGY GRADES 10-11-12

Sociology is an introductory course in which students will study human social behaviors. The students will focus on the family and how it has evolved and changed in our society. Also, students will examine the ways popular media as well as modern technology has impacted daily life. The study and analysis of shifting population and urbanization trends will allow students to be better prepared for life in the new millennium. Thus, the students will develop the skills to better understand as well as function within today's society.

No School Fee

SS47 STREET LAW: A COURSE IN PRACTICAL LAW GRADES 10-11-12

This semester course will give students an overview of the American legal system. It will rely in great part on simulations, role-playing activities, and the involvement of guest speakers who will interact with the students in a variety of ways. The speakers will include local police officers, attorneys, judges, parole officers, etc. The students will study both criminal and civil law.

No School Fee

This course will not be offered in the 2011-12 school year.

SS16 AP PSYCHOLOGY GRADES 10-11-12

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students should read above their grade level. Students are required to take the May AP exam. (Prereq: TR & application plus sophomore standing.)

School Fee: Cost of exam. Please contact the AP coordinator if this fee presents a financial difficulty.

SOCIAL STUDIES

SS20 AMERICAN HISTORY GRADE 10

In American History A, students will begin by studying the Industrial Revolution and move through World War II and the origins of the Cold War. Students will develop critical thinking skills as they analyze primary sources, interpret maps, practice written expression, and participate in simulations. Students will examine the historical, political, economic, and social trends as America grew to become a world power.

In American History B, students will closely examine the second half of the 20th Century from the 1950's to the present. Music, art, and literature will enhance the lessons of the time period as students develop an understanding of how the interdependence of the political, economic, and social factors impact our current historical trends.

No School Fee Students may be required to purchase an outside reading book each semester for this course.

SS22, SS23 ADVANCED PLACEMENT AMERICAN HISTORY A, B GRADE 10-11-12

This class may be taken by students who have completed successfully the sophomore level American History course (or for grade 10 students) in place of American History. It is a challenging, college-level class requiring extensive outside readings and writing assignments. A fee is charged to cover the examination and other materials. It is a full-year course requiring the Advanced Placement American History Test at the end of the year. College credit may be granted by colleges based on a sufficiently high score on this test. (Prereq: application process, an "A" average in 10th Grade American History, recommendation from American History and English teachers, approval of the Advanced Placement Coordinator, and completion of summer reading assignments)

School Fee: \$135.00 Other books may be needed. Please contact the AP coordinator if this fee presents a financial difficulty.

SS30, SS31 AMERICAN GOVERNMENT A, B GRADE 12

American Government A examines the philosophical beliefs that formed our national government. Emphasis will be placed on the Bill of Rights and civil liberties to generate discussion in relation to the students' daily lives. Students will compare/contrast systems of world-wide governments with the political and economic structure of the United States. This course will include the study of economics and financial literacy.

American Government B examines in detail the roles, duties, and powers of the legislative, executive, and judicial branches within the various levels of the American government. Students will participate in the processes of government while developing the necessary skills to be active participants in the American political system.

No School Fee

SS49, SS50 ADVANCED PLACEMENT GOVERNMENT A, B GRADE 12

This class for seniors may be substituted for standard American Government classes. Students will be examining our nation's governmental system and the American political process through simulations, in-depth classroom discussion, extensive outside readings, and writing assignments. This course will include the study of economics and financial literacy. This challenging full-year course offers students the opportunity to receive college credit and are required to take the AP Government exam at the end of the year. Sophomores who have taken AP US History may take AP Government their junior year. A fee is charged to cover the examination and other materials. (Prereq: application process, approval of the Advanced Placement Coordinator, and completion of summer reading assignments)

School Fee: \$135.00 Other books may be needed. Please contact the AP coordinator if this fee presents a financial difficulty.

CAREER AND TECHNICAL PROGRAMS

FAMILY & CONSUMER SCIENCES

All FAMILY & CONSUMER SCIENCES courses provide .50 credit per semester. All courses require students to complete an Action Project in addition to class work. The fees for FAMILY & CONSUMER SCIENCES cannot be waived.

NOTE: Students who have taken Food for Today in the past, are not eligible to take Healthy & Safe Food for Today. Students who have taken Families Today are not eligible to take Manage Family Transitions. Students who have taken Parenting in the past, are not eligible to take Child Development.

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
HE27	CAREER EXPLORATION	9-10	1	.50	NONE
HE18	HEALTHY & SAFE FOODS	10-11-12	1	.50	NONE
HE22	CHILD DEVELOPMENT	10-11-12	1	.50	NONE
HE24	PREPARING FOR COLLEGE	11-12	1	.50	NONE

HE27 CAREER EXPLORATION GRADES 9-10

Strategies for high school success will be emphasized. Organization, study skills, time management, peer communications and goal setting will be developed. Career exploration, practical job skills along with interpreting career and workplace issues are pursued. Students will utilize the Kuder Career and College Planning software. Also, included are demonstrating how academic achievement influences personal and career growth, conflict resolution techniques and applying social skills that lead to effective school, career and family relationships.

HE18 HEALTHY & SAFE FOODS GRADES 10-11-12

Students will learn how food choices at home and in restaurants influence total life quality. Personal food choices will be evaluated using computer web sites and data bases. The planning, preparation, and service of nutritious food will be emphasized through laboratory and classroom activities. Students will study selection, storage and basic preparation of foods as well as how they apply to their health and wellness.

School Fee: \$27.00 This fee cannot be waived and must be paid in full in order to participate in labs.

HE22 CHILD DEVELOPMENT GRADES 10-11-12

The students will learn to meet the developmental needs of children, to build positive family relationships, and to plan ways that families and society can share in nurturing children of all ages. This study of parenting roles in various family structures and cultures will provide students with knowledge of how parents and child care providers meet the needs of infants and young children to provide for healthy growth and development. Prominent theories of child psychology will also be studied. Students will be given the option of several out of school activities to relate classroom learning to real-life experiences. One option will be "Baby Think It Over."

School Fee: \$10.00

HE24 PREPARING FOR COLLEGE GRADES 11-12

Are you going to college? This semester class will provide an opportunity to explore what it takes to get into college and what happens when you get there. You will experience selecting a college, filling out applications, financial aid, scholarships, grants and loans, dorm life, nutrition and wellness, everyday survival skills, communication skills and decision making. In addition to college planning ACT/SAT preparation is included. It is recommended that students enroll in this class during their junior year. Seniors will be scheduled during the first semester of the senior year. Sophomores who are accelerated in English or Math may take this course during the second semester of the sophomore year.

Course Selection Guide

SATELLITE CAREER AND TECHNICAL EDUCATION PROGRAMS

MARKETING EDUCATION

CODE	COURSE SELECTION	GRADE LEVEL	# OF SEM	CREDIT	PREREQ	
BU38*	MARKETING MGT. & RESEARCH I COOPERATIVE EDUCATION	11	2	1.00	Junior Status & TR*	
BU49	MARKETING MGT. & RESEARCH II	12	4	2.00	BU38, Senior Status, & TR*	
BU50	MARKETING MGT. & RESEARCH	12	6	3.00	BU38, Senior Status, & TR*	CO-OP WORK
BU51	MARKETING MGT. & RESEARCH	12	4	2.00	BU38, senior Status, & TR*	INTERNSHIP

* Students must have passed all five parts of the Ohio Graduation Tests (results may not be available until May).

BU38 MARKETING MANAGEMENT & RESEARCH I GRADE 11

This program is a satellite of the Great Oaks Institute of Technology and Career Development.

Marketing Management & Research I is a program of instruction designed to meet the needs of students who desire to develop skills, attitudes, knowledge, and ability in occupations involving sales, merchandising, marketing, or management. College bound students considering careers in business, marketing, sales, and management in particular should enroll in Marketing Education as a career path choice. All students will participate in DECA, a student organization, which provides self growth and leadership opportunities through competitive events and conferences at the local, state, and national levels. (Prereq: all Ohio Graduation Tests passed, junior status, and marketing instructor's approval)

School Fee (to be announced) is paid to Great Oaks.

BU49 MARKETING MANAGEMENT & RESEARCH II GRADE 12 **BU50 MARKETING MANAGEMENT & RESEARCH CO-OP WORK** **BU51 MARKETING MANAGEMENT & RESEARCH INTERNSHIP**

Marketing Management & Research II is a program of instruction designed to meet the needs of students who desire to upgrade their skills, attitudes, knowledge, and ability in occupations involving business, sales, management, and marketing. While in school, the senior students receive two periods of instruction each day in economics, sales, management, marketing principles, and the application of business fundamentals relating to a chosen occupational objective. All students will participate in DECA, a student organization, which provides self growth and leadership opportunities through competitive events and conferences at the local, state, and national levels. The second year of the program combines classroom instruction with on-the-job training through Co-op Work or Internship. All seniors are required to complete the PRINCIPLES OF MARKETING CLEP (College-Level Exam

Program) Test at no expense. The CLEP test is a 100 question, ninety-minute test. With a scaled score of 50 or higher on this test, marketing seniors have the opportunity to earn 3 to 5 transcribed college credits. Although some colleges do not accept CLEP scores, OU, UC, OSU, BGSU are a few local colleges that do accept the CLEP test. Students should consult www.colleg-eboard.com to see if their prospective college choice does accept the PRINCIPLES OF MARKETING CLEP test.

Marketing Management & Research Co-op Work requires students to attend school in the mornings and be dismissed early to work a minimum of 12 ½ hours per week in an approved training station in the afternoons or evenings.

Marketing Management & Research Internship, is a new option for students. The Internship is a practical learning experience in a business environment of school. Students will build advanced skill sets built on their earlier coursework. The Internship learning experience will be for three of the four grading periods during the school year. During the three grading periods, students will be required to intern 8 to 10 hours per week of school during afternoons and evenings. The Internship arrangement will change with a different company and in a different job for each of the selected three grading periods. The Internship work-based learning is a non-paid marketing/business related training experience.

Upon graduation, students are able to continue their business, marketing, and management employment goals and/or attend college of their choice. (Prereq: senior status, Marketing Education I, and Marketing instructor/s approval)

School Fee (to be announced) is paid to Great Oaks.

Course Selection Guide

SATELLITE CAREER AND TECHNICAL EDUCATION PROGRAMS

TEACHING PROFESSIONS

Teaching Professions is Ohio's career pathway program for high school students who are interested in higher education and a teaching career. The purpose of the program is to provide students with information about the challenges and opportunities offered by a career in education.

CODE	COURSE SELECTION	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
SA30	THEORY OF TEACHING & LEARNING	11-12	2	1.00	Junior, TR, passed all OGT's
SA31	TEACHING & LEARNING LAB	12	2	1.00	Senior, TR, passed all OGT's
SA32	TEACHING & LEARNING INTERNSHIP	12	2	1.00	Senior, TR, passed all OGT's

SA30 THEORY OF TEACHING & LEARNING GRADES 11-12

Theory of Teaching and Learning is the first level course in the two-year Teaching Professions Program. This course is designed for the student who enjoys working with children and the teaching and learning process. Students will utilize technology to prepare presentations and portfolio documents. Field trips to different school buildings and colleges will be incorporated into the classroom activities. Guest speakers from educational institutions will present current theory and practice. Students will be enrolled in the school's chapter of Future Educators of America and will be able to participate in regional competitions and conventions. This program is designed to support the student's post-secondary teaching Professions career major. In this course, students will be introduced to the following: Orientation to Teaching Professions, History of Education, Understanding the Learner, Teaching Strategies, the Learning Environment, Assessing Teaching and Learning, Technology, and Professional Development. (Prereq: Junior status, TR and must have passed all OGT's).

SA31 TEACHING & LEARNING LAB GRADE 12

During this course, students will apply their Internship experiences to developing their portfolios. At the completion of the course, the portfolios will be graded by college professors utilizing the Ohio Department of Education's teaching Rubric. Successful completion of the portfolio writing may result in college credit, being exempt from entry education course(s), and /or exemption from writing the education portfolio in college.

In addition to writing their portfolios, students will use technology to develop presentations and projects. Students will also have the opportunity to visit colleges with education programs, participate in professional development, and compete in regional competitions and conventions through their enrollment in the school's chapter of Future Educators Association.

This program is designed to support the student's post-secondary Teaching Professions career major. Both SA31 and SA32 must be taken simultaneously. (Prereq: Senior status, passed all OGT's, and TR).

SA32 TEACHING & LEARNING INTERNSHIP GRADE 12

During this course offered in the afternoon, students will participate in Internships by rotating through five different classrooms in the preschool, elementary, middle school, and high school buildings where they will observe and begin practicing the Principles of Teaching and Learning.

This course is designed to support the student's post-secondary Teaching Professions career major. Both SA31 and SA32 must be taken simultaneously. (Prereq: Senior status, passed all OGT's, and TR)

Course Selection Guide

SATELLITE CAREER AND TECHNICAL EDUCATION PROGRAMS

PROJECT LEAD THE WAY

Project Lead The Way (PLTW) and its rigorous curriculum makes science, technology, math, and engineering relevant for students. By engaging in hands-on, real-world projects, students begin to understand how the skills they are learning in the classroom can be applied in everyday life.

CODE	COURSE SELECTION	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
SA40	INTRO. TO ENGINEERING DESIGN	9-10-11-12	2	1.00	NONE
SA41	PRINCIPLES OF ENGINEERING	10-11-12	2	1.00	SA40
SA42	DIGITAL ELECTRONICS	10-11-12	2	1.00	SA41
SA43	AEROSPACE ENGINEERING	11-12	2	1.00	SA40, SA41, SA42 or concurrent
SA44	ENGINEERING DESIGN & DEVELOPMENT	12	2	1.00	Prin. of Eng.

SA40 INTRODUCTION TO ENGINEERING DESIGN
GRADES 9-10-11-12
 Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

SA41 PRINCIPLES OF ENGINEERING
GRADES 10-11-12
 This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn first-hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change.

SA42 DIGITAL ELECTRONICS
GRADES 10-11-12
 This course in applied logic encompasses the application of electronic circuits and devices. Students use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.

SA43 AEROSPACE ENGINEERING
GRADE 11-12
 The major focus of the Aerospace Engineering™ (AE) course is to expose students to the world of aeronautics, flight, and engineering. Lessons will engage students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsions, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. (Prereq: Introduction to Engineering, Principles of Engineering, Digital Electronics, or concurrent)

SA44 ENGINEERING DESIGN AND DEVELOPMENT
GRADE 12
 This course is modeled after the capstone course for engineering majors in college. Utilizing skills gained in previous courses, students will work with a community mentor to solve a relevant problem in which they are the primary stakeholders. The solution is defended and presented to a panel on the local school or community at the end of the school year.

Course Selection Guide

SATELLITE CAREER AND TECHNICAL EDUCATION PROGRAMS

HIGH SCHOOL OF BUSINESS™

High School of Business™ is designed much like a college business administration program. Students take approximately one course per semester, beginning with an introduction to business. The program continues with courses in various business functions, concluding with the capstone course, Business Strategies, that requires implementation of the principles addressed throughout the High School of Business™ program.

CODE	COURSE SELECTION	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
BU01	LEADERSHIP	9-10-11	1	.50	NONE
BU02	WEALTH MANAGEMENT	9- 10-11-12	1	.50	NONE
BU03	PRINCIPLES OF BUSINESS	9-10-11-12	1	.50	NONE
BU04	BUSINESS ECONOMICS	9-10-11-12	1	.50	BU03
***The following courses will be offered during the 2012-2013 school year					
BU05	PRINCIPLES OF MARKETING	11-12	1	.50	BU03 and BU04
BU06	PRINCIPLES OF FINANCE	11-12	1	.50	BU03 and BU04
BU07	PRINCIPLES OF MANAGEMENT	11-12	1	.50	BU03 and BU04
***The following course will be offered during the 2013-2014 school year					
BU08	BUSINESS STRATEGIES	11-12	1	.50	BU03, BU04, BU05, BU06 and BU07

BU01 LEADERSHIP GRADES 9-10-11

Leadership doesn't come naturally to most of us. Fortunately, we can learn leadership skills (or improve them if you're a natural). In this course you will build the leadership skills you need to excel in college and career. You will discuss contemporary leadership and teamwork literature, complete a team-based project, and put your leadership skills into action at school, at home, and in the community.

BU02 WEALTH MANAGEMENT GRADES 9-10-11-12

Stocks? Bonds? Investment planning? Learn how to decipher the financial lingo and determine how to build a firm financial strategy. This course goes beyond traditional credit card and check-writing skills. You will learn how to manage personal finances and apply the basics of investing...and then you'll teach those skills to others in your community!

BU03 PRINCIPLES OF BUSINESS GRADES 9-10-11-12

Q: What do your favorite rock group's tour schedule, the logo on a coffee mug, and the Wall Street Journal have in common?
A: Business. It's everywhere. Principles of Business will open your eyes to the world of business. During the course you will be introduced to some of the major areas of business administration (marketing, management, and finance) through fun, real world projects.

BU04 BUSINESS ECONOMICS GRADES 9-10-11-12

Ever thought about the choices that the Three Little Pigs made from an economic perspective? In Business Economics, you will consider how decisions (such as work vs. play or sticks vs. straw) affect businesses and individuals in the short and long term. You will also conduct research and examine business problems as you learn about microeconomic, macroeconomic and international economic concepts. This course is only offered during the second semester.

Prerequisite: Principles of Business

***The following courses will be offered during the 2012-2013 school year

BU05 PRINCIPLES OF MARKETING GRADES 11-12

Why would Volkswagen choose an e-mail campaign over a television commercial? How does Nike determine its pricing strategy? Through projects and problem solving you will get inside marketers' heads and find out what makes them tick. Projects in the course will challenge you to analyze the business world around you, work through key marketing decisions such as pricing and product image, and use your knowledge to develop a marketing strategy.

Prerequisites: Principles of Business and Business Economics

Course Selection Guide

SATELLITE CAREER AND TECHNICAL EDUCATION PROGRAMS

HIGH SCHOOL OF BUSINESS™

BU06 PRINCIPLES OF FINANCE GRADES 11-12

Can you imagine a company president who doesn't understand finances? Learning how companies manage their money is important in any business career. In this course, you will face issues that concern financial markets and institutions. This includes how companies get money for improvements (a new building, a Super Bowl advertisement), make money (sales of products, investments), and keep track of money (understanding financial reports, make smart and ethical decisions). An online investing project provides hands-on experience (and fun!) in this important area of business.

Prerequisites: Principles of Business and Business Economics

BU07 PRINCIPLES OF MANAGEMENT GRADES 11-12

Get an up-close look at managing. You'll learn first-hand how to manage projects and people-and how to do it ethically and legally. This course includes individual and group work as you conquer problems in the different areas of management, including human resources management, risk management, project management, and knowledge management.

Prerequisites: Principles of Business and Business Economics

***The following course will be offered during the 2013-2014 school year.

BU08 BUSINESS STRATEGIES GRADE 12

Here is where it all comes together. In this course you will run your own business. Using the smarts gained in previous High School of Business™ courses, you'll start by writing a real business plan. Then you'll put that plan to action by opening and operating a business. You will tackle problems real business professionals face, such as interviewing, hiring and supervising staff, keeping financial records, evaluating results, and much more. Along the way you'll find out how the areas of a company (marketing, finance, management, etc.) work together.

Prerequisites: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management

Course Selection Guide

SPECIAL AREAS

CODE	COURSE TITLE	GRADE LEVEL	# OF SEM	CREDIT	PREREQ
SA50	JROTC *	9-10-11-12	2	1.00	NONE
	*This program is a satellite of the Great Oaks Institute of Technology and Career Development.				
ZEDA	EARLY DISMISSAL A (Sem. 1)	12	1	.00	APPLICATION
ZEDB	EARLY DISMISSAL B (Sem. 2)	12	1	.00	APPLICATION
	INDEPENDENT STUDY (see below)				
	CREDIT RECOVERY/CREDIT RECOUPMENT				

SA50 JROTC

GRADES 9-10-11-12

This is an introductory course in the four-part leadership, education, and training series. Students will acquire a familiarization in leadership styles, a regard for the value of teamwork, responsibilities of good citizenship, components of physical fitness, and oral communications techniques. Texts and uniforms are provided by the instructor.

Students are required to wear their uniform on a designated day each week. Optional cadet activities such as drill team and color guard training will be available. Exceptionally motivated cadets will be offered the opportunity to attend a week long leadership camp. Students may take this class all four years and will receive credit for it each time. Advanced placement credit is awarded by college level senior ROTC programs. Students may receive placement credit (promotion) by all branches of the armed forces upon their enlistment.

FEE REQUIRED FOR EXTRACURRICULAR ACTIVITIES

ZEDA, ZEDB SENIOR EARLY DISMISSAL A, B

Since colleges and universities are becoming increasingly selective, seniors are encouraged highly to take a challenging course of study during their last year at Milford High School. Seniors may be dismissed, however, at the end of sixth period provided they meet the eligibility requirements, if their schedule permits and upon the written approval of a parent. To be eligible, students must have earned 13.0 credits by the end of the 5th semester; must maintain at least 95% attendance; and must have no class cuts or truancies in their discipline/attendance record for the Junior year. Schedules will not be adjusted to allow for early dismissal. The Senior Early dismissal will be revoked at any time for failure to pass all classes, maintain good behavior, or good attendance.

CREDIT RECOVERY/CREDIT RECOUPMENT

Online courses are offered in the areas of social studies, science, English, and math for students who have failed a course and need to retake it for credit. Students are expected to complete the online coursework within 9 weeks, which is equivalent to a quarter.

FEE REQUIRED FOR ONLINE COURSE: \$50.00/quarter.

Students who have failed a course required for graduation will be required to register for a credit recovery or recoupment class.

FLIP OVER
FOR
NINTH GRADE COMMUNITY
COURSE SELECTIONS

FLIP OVER
FOR
COMPLETE
COURSE SELECTION
GUIDE

NINTH GRADE ELECTIVE COURSES

FAMILY & CONSUMER SCIENCE

HE27 CAREER EXPLORATION GRADES 9-10

Strategies for high school success will be emphasized. Organization, study skills, time management, peer communications and goal setting will be developed. Career exploration, practical job skills along with interpreting career and workplace issues are pursued. Students will utilize the Kuder Career and College Planning software. Also, included are demonstrating how academic achievement influences personal and career growth, conflict resolution techniques and applying social skills that lead to effective school, career and family relationships.

PROJECT LEAD THE WAY

Project Lead The Way (PLTW) and its rigorous curriculum makes science, technology, math, and engineering relevant for students. By engaging in hands-on, real-world projects, students begin to understand how the skills they are learning in the classroom can be applied in everyday life.

SA40 INTRODUCTION TO ENGINEERING DESIGN

Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

ENGLISH

EN61 PUBLICATIONS-YEARBOOK

Students enrolled in Publications-Yearbook earn one credit per year (may take multiple years for credit) for producing Milford High School's nationally acclaimed yearbook, the Driftim. In the process, students learn and sharpen graphic design, desktop publishing, photography, writing, and other communication skills. These skills can be applied in other classes as well as in various academic areas, especially graphic design, visual communication, advertising, and journalism. Some after school work is required, but many publications students also are involved in other co- and extracurricular activities (including sports and band). (Prereq: Yearbook Adviser's approval) School Fee: \$20.00 Applications are available from your current English teacher.

SPECIAL AREAS

SA50 JROTC

This program is a satellite of the Great Oaks Institute of Technology and Career Development.

This is an introductory course in the four-part leadership, education, and training series. Students will acquire a familiarization in leadership styles, a regard for the value of teamwork, responsibilities of good citizenship, components of physical fitness, and oral communication techniques. Texts and uniforms are provided by the instructor. Students are required to wear their uniform on a designated day each week. Optional cadet activities such as drill team and color guard training will be available. Exceptionally motivated cadets will be offered the opportunity to attend a week-long leadership camp. Students may take this class all four years and will receive credit for it each time. Advanced placement credit is awarded by college level senior ROTC programs. Students may receive placement credit (promotion) by all branches of the armed forces upon their enlistment.

FEE REQUIRED FOR JROTC EXTRACURRICULAR ACTIVITIES

NINTH GRADE ELECTIVE COURSES

MU03C MARCHING PERCUSSION CLASS

Marching Percussion Class will include all those students who are participating in the Marching Band percussion section in the fall. Rudimentary snare drum and mallet experience is required to take this class. Percussionists who are not members of the marching Band should sign up for either Concert Band or Symphonic Band for the full Year, based on their spring audition. (Prereq: successful completion of 8th grade band or director's approval). ALL NINTH GRADE BAND MEMBERS ARE REQUIRED TO PARTICIPATE IN MARCHING BAND (UNLESS THEY ARE INVOLVED IN A SCHOOL SPONSORED FALL SPORT).
 School Fee: \$44.00
 This fee cannot be waived.

STUDENTS WILL BE IN MARCHING PERCUSSION CLASS FIRST SEMESTER ONLY AND WILL BE IN CONCERT BAND SECOND SEMESTER. IF THE STUDENT IS NOT PARTICIPATING IN MARCHING BAND THEY WILL BE IN CONCERT BAND CLASS ALL YEAR.

*MARCHING BAND

Marching Band is composed of band students in grades 9-12. All ninth grade band members are required to participate in marching band unless they are involved in a school sponsored fall sport. All students enrolled in symphonic band, concert band, and percussion class are encouraged to participate in marching band.

The marching band performs at football games, marching band contests, parades, and some special events. The marching style is a corps presentation with emphasis on proper playing skills and development with self-discipline. The Eagle Band has won many awards over the years. The marching band rehearses Tuesday, Wednesday and Thursday after school.

Fees charged through appropriate band class. *Additional non-credit instrumental performance opportunities are available by audition with band directors.

MU08 FRESHMAN CHORUS

This year-long course is open to any freshman. No audition is necessary. This chorus will perform a variety of musical styles. (There will be an emphasis on the following musical skills: breath support, vowel sounds, sight reading, and improving a singer's range). The students will be responsible for attendance at concerts and rehearsals: fall, winter, and spring.

Students wishing to join this chorus after the school year has begun or later in the year must meet with the chorus teacher.

Accompanist needed
 School Fee: \$11.00

FL329 SPANISH II

This course is a continuation of Spanish I. Students will study more complex vocabulary and grammatical structures including a detailed study of the past tense. As in Spanish I, listening, and speaking skills are stressed and oral participation is encouraged. Aspects of Spanish and Latin American cultures are studied. (Prereq: Spanish I with a C or better both semesters)
 School Fee: \$18.00

FL41 MANDARIN CHINESE I

This is a beginning level course which will introduce students to Mandarin Chinese. Students will learn listening, speaking, reading and writing skills. This course will be taught through an online curriculum.
 School Fee: \$50.00 per semester

MUSIC

Eighth grade band students will be given a packet of information in the spring that will include a status form on which they may indicate their intentions to participate in either Concert Band and Marching Band or Concert Band and a school sponsored fall sport.

MU01 CONCERT BAND

Concert Band is composed of wind instrumentalists in grades 9-12. This band concentrates on performing quality concert band literature and the development of musicianship. The band performs at a number of concerts during the year. The band also performs at the Ohio Music Education Association (OMEA) Solo and Ensemble Contest and the OMEA District 14 Concert Band Contest. Everyone is encouraged to perform in a small ensemble and audition for area honor bands. Auditions for chair placement in the concert band cover prepared music, scales, and sight-reading. (Prereq: Successful completion of 8th grade band or director's approval) ALL NINTH GRADE BAND MEMBERS ARE REQUIRED TO PARTICIPATE IN MARCHING BAND (UNLESS THEY ARE INVOLVED IN A SCHOOL SPONSORED FALL SPORT).

School Fee: \$44.00

This fee cannot be waived.

NINTH GRADE ELECTIVE COURSE

AT53 DIGITAL MEDIA

Students in this course will learn how to create presentations and video aides that are dynamic and that include multimedia elements. They will have the opportunity to create PowerPoint presentations that include hyperlinks and multimedia aspects such as sound files and video footage. In Visio, students will create maps, room layouts, charts and diagrams that can be used in conjunction with PowerPoint presentations. Microsoft Movie Maker software will be used to edit and create video productions that can also be used in conjunction with PowerPoint presentations. School fee: \$10.00

ART

ALL PREREQUISITE CLASSES MUST BE PASSED WITH A "C" OR BETTER TO GO ON TO THE NEXT LEVEL.

AR12 FOUNDATIONS OF ART

This year-long class will present the elements and principles of design in detail. Students will be given assignments that develop their skills in employing these concepts effectively. NOTE: The class assignments and homework require extensive drawing. School Fee: \$65.00
This fee cannot be waived and must be paid in full before students will receive art supplies.

For additional art courses available to ninth grade students, please reference pgs. 17-19 in the upper class Course Selection Guide for information on the following courses:

- AR13 Art Appreciation
- AR14 Beginning Photography
- AR20 3D Design

FOREIGN LANGUAGE

Foreign language is NOT required for graduation, but is strongly recommended for those planning to attend a four-year college. It is recommended that freshmen who do not possess strong study skills wait until their sophomore year to begin a language. Most four-year colleges require at least two years of the same language. Two-year colleges do not require foreign language for admission.

FLO1 FRENCH I

This is a class for college bound students. This course is the beginning level in a study of the French language based on the following comprehension skills: listening, speaking, reading, and writing. An integral aspect of French studies is the culture of the French-speaking world. (Prereq: English and math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math.) School Fee: \$21.00

FL319 SPANISH I

This is a class for college bound students. This is a beginning course in the Spanish language in which students will study basic vocabulary and present tense grammatical structures. Emphasis is also placed on developing speaking, listening, reading, and writing skills in the language. (Prereq: English and Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math)) School Fee: \$18.00

FL21 LATIN I

This is a class for college-bound students. This is an introduction to basic subject-object-verb patterns in Latin literature. Reading selections follow the events in the lives of the members of a Roman family. Additional readings which give knowledge of Latin history and mythology are used to increase understanding of language and vocabulary with emphasis on word derivation in English. (Prereq: English and Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math) No School Fee

FL12 GERMAN II

Students enrolling in this course will expand their knowledge of the German language and understanding of German culture. Greater emphasis is placed on communication and the grammar needed to read and speak the language. This level continues to explore life in Germany and German-speaking countries. (Prereq: German I with a C or better) School Fee: \$16.00

FL11 GERMAN I

This is a class for college bound students. This course is an introduction to the German language, culture, and customs. It emphasizes listening, speaking, reading, grammar, and comprehension skills. (Prereq: English or Math with a C or better in both classes. Students entering ninth grade will be required to have a B in 8th grade English and Math) School Fee: \$16.00

FL02 FRENCH II

The second level of French study is an intensive course emphasizing language comprehension through the four basic skills of listening, speaking, reading, and writing. Oral proficiency evaluation continues as an integral aspect of the study. (Prereq: French I with a C or better) School Fee: \$21.00

Course Selection Guide Ninth Grade Community

NINTH GRADE ELECTIVE COURSES

NINTH GRADE ELECTIVE COURSES

PE01 P.E. I GRADES 9-10

This course involves participation and instruction in the following activities: Badminton, Basketball, Bowling, Table Tennis, Flag Football, Floor Hockey, Golf, Softball, Tennis, Volleyball, and other related sports and activities. A swimming component is also included. Physical fitness and flexibility will be included on a weekly basis. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang. School Fee: \$10.00

PE02 P.E. II GRADES 9-10

This course involves participation and instruction in the following activities: Archery, Badminton, Climbing Wall, Soccer, Speedball, Swimming Activities, Tennis, Volleyball, and other related sports and activities. A swimming component is also included. Physical fitness and flexibility will be included on a weekly basis. Students will be required to do physical fitness testing consisting of the mile run, 10 line shuttle run, sit-ups, push-ups, and pull-ups/flex arm hang. School Fee: \$10.00

It is recommended that all ninth graders schedule a study hall each semester. Please remember to choose alternate courses that you would be willing to take should it become impossible to schedule your first choices.

APPLIED BUSINESS

AB07 FINANCIAL LITERACY – BANKING & FINANCE

This one-semester course acquaints students with money management and the services available in the financial industry. Students will utilize a simulated checking account, explore credit, understand economic systems and the legal rights afforded in relation to financial independence. School Fee: \$20.00

HIGH SCHOOL OF BUSINESS™

BU01 LEADERSHIP GRADES 9-10-11

Leadership doesn't come naturally to most of us. Fortunately, we can learn leadership skills (or improve them if you're a natural). In this course you will build the leadership skills you need to excel in college and career. You will discuss contemporary leadership and teamwork literature, complete a team-based project, and put your leadership skills into action at school, at home, and in the community.

APPLIED TECHNOLOGY

RECOMMENDED INTRODUCTORY COURSE

AT02 WORD PROCESSING/DOCUMENT FORMATTING

DESKTOP PUBLISHING

Word Processing and Document Formatting is a one-semester course for students who wish to gain skills for personal and/or college use. The course introduces basic skills and proper touch keyboarding techniques and progresses to formatting documents such as personal and business letters, memorandums, reports, outlines, and resumes using word processing application software. The students have the opportunity to use a tutorial to reinforce speed and accuracy. Students will also learn how to combine text and graphics to produce professional-quality printed documents. School Fee: \$10.00

AT21 WEB DESIGN

Students will be introduced to professional web development by building personal and business-related web pages using multimedia software and advanced HTML coding. School Fee: \$9.00

BU02 WEALTH MANAGEMENT GRADES 9-10-11-12
Stocks? Bonds? Investment planning? Learn how to decipher the financial lingo and determine how to build a firm financial strategy. This course goes beyond traditional credit card and check-writing skills. You will learn how to manage personal finances and apply the basics of investing...and then you'll teach those skills to others in your community.

BU03 PRINCIPLES OF BUSINESS GRADES 9-10-11-12

Q: What do your favorite rock groups' tour schedule, the logo on a coffee mug, and the Wall Street Journal have in common? A: Business. It's everywhere. Principles of Business will open your eyes to the world of business. During the course you will be introduced to some of the major areas of business administration (marketing, management, and finance) through fun, real world projects.

Ever thought about the choices that the Three Little Pigs made from an economic perspective? In Business Economics, you will consider how decisions (such as work vs. play or sticks vs. straw) affect businesses and individuals in the short and long term. You will also conduct research and examine business problems as you learn about microeconomic, macroeconomic and international economic concepts. This course is only offered during the second semester.

Prerequisite: Principles of Business

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RECOMMENDED NINTH GRADE COURSES

HEALTH

The State of Ohio requires that all students earn 0.5 credit (one semester) in Health to meet graduation requirements.

HL019 HEALTH

This required course meets The Ohio Department of Education requirements, including units of study on relationships, reproduction, sexually transmitted diseases, other diseases, substance abuse, C.P.R., nutrition, and wellness.

School Fee \$2.00

PHYSICAL EDUCATION

The Ohio Department of Education requires that all students receiving a high school diploma shall have completed successfully 0.5 credits (two semesters) of physical education. Students have the option of completing all or part of this requirement in summer school.

(Waiver of High School Physical Education Curriculum and Graduation Requirement for High School Students Participating in District-Sponsored Interscholastic Athletics, Marching Band, Cheerleading or JROTC)

As permitted by Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from the physical education course requirement by participating in District-sponsored interscholastic athletics, marching band or cheerleading for at least two athletic seasons during high school grades 9-11. The Ohio Revised Code defines District-sponsored interscholastic athletics, marching band or cheerleading as any high school athletic team, high school cheerleading squad or high school marching band of the Milford School District that participates in the District's regular athletic season(s) (as such seasons are established under the rules and bylaws of the Ohio High School Athletic Association) and is operated under the supervision of a District employee.

Club activities and/or club sports are not considered part of District-sponsored athletics, marching band or cheerleading.

High school students in grades 9-11 who meet this requirement shall not be required to complete any physical education course as a condition to graduate. In order to be eligible for graduation, a high school student who is excused from the high school physical education class requirement must complete at least 60 hours of instruction (one semester) in another course of study. Such 60 hours of instruction shall be separate from and in addition to all other courses of study and hours of instruction that are required to graduate.

At the conclusion of each season, coaches/band directors will submit a roster of students who have satisfactorily completed the season (a minimum of 60 contact hours). The guidance office of the high school will track and record this information.

As stated in Section 3313.603 of the Ohio Revised Code, a student who has participated in JROTC for at least two full school years prior to his/her senior year is not required to complete any physical education courses as a condition to graduate. In addition, the academic credit received from participating in JROTC may be used to satisfy the one-half unit of Physical Education and completion of another course is not necessary for graduation.

A high school student who has not fulfilled his/her physical education requirement prior to the beginning of his/her senior year will be scheduled into a physical education class. Participation in District-sponsored interscholastic athletics, marching band, cheerleading or JROTC during the senior year cannot be used to fulfill the physical education graduation requirement.

A high school student who has earned ¼ physical education credit prior to the start of the 2011-2012 school year can finish the physical education requirement either through completion of another physical education course, through participation in two athletic seasons, or through participation in JROTC for two full years. Participation in District-sponsored interscholastic athletics, marching band, cheerleading seasons or in JROTC prior to the 2011-2012 school year (July 1, 2011) cannot be used to fulfill the physical education requirement.

Participating in District-sponsored interscholastic athletics, marching band, cheerleading and/or JROTC is a privilege and not a right. This policy shall not in anyway be construed as granting a student the right to participate in such District-sponsored interscholastic athletics, marching band, cheerleading and/or JROTC. A student who participates in District-sponsored interscholastic athletics, marching band, cheerleading and is excused from the physical education course requirement pursuant to this policy earns no high school credit for such participation. All District rules and policies, including, but not limited to, the Code of Conduct for Student Participation in Extracurricular Activities continue to apply in full and without limitation to such student's ability to participate or to continue to participate in District-sponsored interscholastic athletics, marching band and/or cheerleading. In addition, any student so participating pursuant to this policy shall be subject to any athletic fee and/or "Pay-to-Participate" fee and, pursuant to other Board policy and/or rules, nonpayment of any such fee(s) will result in denial of participation in the activity.

REQUIRED NINTH GRADE COURSES

SCIENCE

NOTE: Registration for all science courses requires the recommendation of the student's current science teacher. It is very important to follow prerequisites and teacher recommendations to ensure the best possible academic success.

A student may take any course, including electives, during any school year if the student meets the prerequisites of the course and has proper teacher recommendation. Students are encouraged to take electives along with their core courses and in years when they do not have science requirements.

ACCELERATION OPTION

Science-oriented students who are interested in taking several science electives during high school may choose to accelerate their science program by taking two of the core courses during one school year. This will allow the student to take more electives during their junior and senior years. Teacher recommendation is required to take this option.

EXAMPLES:

10th Grade HONORS BIOLOGY AND HONORS CHEMISTRY
11th Grade HONORS CHEMISTRY AND HONORS PHYSICS

SC51 PHYSICAL SCIENCE A, B

Physical Science is a two-semester sequential course designed to help students learn the disciplines of physics, earth science, and chemistry. The course will cover the same topics as CP Physical Science (see course description below), but with less emphasis on math. The math skills necessary for the course will be taught in the class. (Prereq: 8th grade science and teacher recommendation)

School Fee: \$11.00 each semester

SC01 CP PHYSICAL SCIENCE A, B

CP Physical Science is a two-semester sequential course in which students will study the laws and principles of the discipline of physics, earth science and chemistry. The first semester will include topics in the metric system, scientific method, structure of the atom, periodic table, chemical reactions and nuclear reactions. The second semester will include topics in motion, forces, waves, energy, heat, structure of the Earth and universe. Students must demonstrate a high level of success in this course to be considered for the Honors sequence. (Prereq: 8th grade science and Algebra 1 with a B or better AND teacher recommendation)

School Fee: \$11.00 each semester

SC189 HONORS BIOLOGY A, B

Honors Biology is a two-semester sequential course designed as a challenging college preparatory course with great demands on students to study and work in lab situations. It is the recommended course for those students who will be required to take college biology. Topics studied in Honors Biology first semester include the following: the condition called "living," the cell and its processes, scientific thinking and methods, basic chemistry, biochemistry, genetics and DNA technology. The student is given a good orientation to general laboratory procedures. Topics studied in Honors Biology second semester include the following: evolution, ecology, classification and diversity of life, and human anatomy and physiology. Laboratory experiences are used to enrich the course.

(Prereq: CP Physical Science with an A OR Honors Science (8th grade) with a B or better and/or teacher recommendation)
School Fee: \$14.00 each semester

SOCIAL STUDIES

Students must earn three credits of Social Studies to meet graduation requirements. One credit must be in World Studies, one credit must be in American History, and one credit must be in American Government.

SS40 WORLD STUDIES 9 A, B

World Studies is an interdependent, multicultural study of history, geography, economics, sociology, and politics with a global perspective. In the changing world of the 21st century, a total social science survey approach helps develop both an understanding of, and an appreciation for, global diversity. A global perspective highlights the similarities, as well as contrasts the differences between cultures. (Prereq: teacher recommendation)
No School Fee No other supplies needed.

SS43 CP WORLD STUDIES A, B

CP World Studies is an interdependent, multicultural study of history, geography, economics, sociology, and politics with a global perspective. In the changing world of the 21st century, a total social science survey approach helps develop both an understanding of, and an appreciation for, global diversity. A global perspective highlights the similarities, as well as contrasts the differences between cultures. Since this is a college preparatory course, the expectation is that students will complete much of the reading and writing assignments outside of the classroom.
No School Fee No other supplies needed.

Honors Geometry	Honors Algebra II	Honors Precalculus & Trigonometry	AP Calculus and/or AP Statistics
Honors Geometry	CP Algebra II	Precalculus & Trigonometry	AP Statistics or another advanced math course*
Honors Geometry	Algebra II	Algebra III or AP Statistics	Precalculus & Trigonometry, AP Statistics or another advanced math course*
Geometry	CP Algebra II	Algebra III	AP Statistics, Precalculus & Trigonometry or another advanced math course*
Geometry	CP Algebra II	Precalculus & Trigonometry	AP Statistics or another advanced math course*
Algebra I	Geometry	Algebra II	Algebra III, AP Statistics or another advanced math course

The math curriculum, including the sequences, is currently under review. The courses and sequence will be final in May.

Beginning with the Class of 2014, the requirements of the Ohio Core must be met: 4 units (4 years) of mathematics, one of which must be Algebra II.

REQUIRED NINTH GRADE COURSES

EN02 CP ENGLISH 9

This year-long course involves work in the various aspects of communication. In composition, students will organize and write effective paragraphs with sentence variety. They will continue to explore literature and develop appropriate reading strategies. Students will be expected to demonstrate appropriate vocabulary development. Since this is a college preparatory course, the expectation is that students will complete much of the reading and writing assignments outside of the classroom. All students will be provided opportunities to develop oral communication skills.

School Fee: \$18.00 - novel and vocabulary book

EN51 HONORS CP ENGLISH 9

This year-long course involves intensive work in enhancing language arts skills. Extensive reading and writing will be expected of students enrolling in this course. Also, improvement of listening, speaking, and viewing skills will be emphasized. Summer reading must be completed prior to the beginning of the school year. (Prereq: teacher recommendation and entrance test)

School Fee: \$18.00 – novel and vocabulary book

MATHEMATICS

The Mathematics curriculum is currently under revision and will be updated in the spring.

Students must earn **four** credits in math to meet graduation requirements. One of these credits must include Algebra II.

MA119 ALGEBRA I

This course provides an in-depth approach to learning algebra for those students ready for a college preparatory Algebra I course. It covers all of the concepts of algebra including the exploration and generalization of arithmetic relations using letters to represent variable quantities.

No School Fee

MA129 GEOMETRY

This course provides an in-depth approach to learning geometry for those students ready for a college preparatory geometry course. It covers all of the concepts of geometry including plane figures, solid figures, similarity, circles, angles and their measures, parallel lines and planes, logic, proofs, triangles, and trigonometry. (Prereq: Algebra I and teacher recommendation)

School Fee: \$6.00

MA13 HONORS GEOMETRY

This course provides an in-depth approach to learning geometry for those students ready for an Honors Geometry course. It covers all of the concepts of geometry including plane figures, solid figures, similarity, circles, angles and their measures, parallel lines and planes, logic, proofs, triangles, and trigonometry. This course is the second step in the progression toward AP Calculus. (Prereq: Honors Algebra I and teacher recommendation)

School Fee: \$6.00

GUIDELINES FOR NINTH GRADE COURSE SELECTION

as second choices. Please be sure to complete this section on your Course Selection Worksheet.

8. Both you and one of your parents (or guardians) must sign the registration worksheet before turning it in.

9. All core academic teachers, as well as foreign language teachers, must also sign your course selection worksheet.

10. DEADLINE: Be sure to give your course selection worksheet to your math teacher on or before the announced teacher signature deadline.

REQUIRED NINTH GRADE COURSES

The courses listed in this section are required for all ninth grade students. Students will need to select the proper course from each of the following academic areas. Additional information regarding these areas can be found in the main part of this guide, which will be helpful in planning your future courses.

ENGLISH

Students must earn four credits in English (9, 10, 11, and 12) to meet graduation requirements. In addition, students are encouraged to elect additional courses which satisfy their individual needs and interests. All students must complete successfully the previous English requirement before attempting the next level requirement.

EN04 ENGLISH 9

This year-long course involves work in the various aspects of communication. In composition, students will organize and write effective paragraphs with sentence variety. They will continue to explore literature and develop appropriate reading strategies. Students will be expected to demonstrate appropriate vocabulary development. All students will be provided opportunities to develop oral communication skills. (Based on teacher recommendation) School Fee: \$18.00 – novel and vocabulary book

As you begin this very significant transition to Milford High School, keep in mind the following important information during the course selection process:

1. As a freshman, your course selection options are more restricted than in other years because you must take several courses which are required for graduation.

2. Remember, when making your selections, always start with your core classes (English, mathematics, science, and social studies).

3. After selecting your core classes, it is recommended that you select health and a physical education class. You have the option of completing the P.E. requirement in summer school if you choose to allow for more electives or advanced level classes.

4. Select your elective classes based on your interests and your future plans. Possible electives include classes from the following areas: art, technology, business, band, choir, family and consumer science, foreign language, publications and career technical programs.

5. If you are considering starting your first year of a foreign language as a freshman, there are three requirements you must meet:

- A) B or better in language arts,
- B) B or better in math, and
- C) teacher recommendations from both language arts and math teachers.

These requirements have been set because: - Learning a foreign language is empirical, abstract and requires manipulative thinking, skills naturally developed in your math classes.

- Your freshman core courses alone will be very challenging and are required for graduation. - Foreign language is not required to graduate from Milford High School.

6. MAKE EDUCATED CHOICES. Read carefully the course description of the electives you are considering in this Course Selection Guide. Be aware of the following: (1) there may be prerequisites (2) there may be a school fee (3) there may be additional supplies (4) there may be additional fees.

7. You must choose alternate course selections. Occasionally a conflict will arise when building a student's schedule (course closed, course cancelled, course not available during certain periods, etc.). In this event we need to know what you would prefer

GRADUATION REQUIREMENTS FOR CLASSES 2014 AND BEYOND

English	4.0 credits: English 9, 10, 11, and 12
Mathematics	4.0 credits: Must include Algebra II or equivalent
Science	3.0 credits: Must include one unit of physical science (Physical Science or Chemistry), One unit of Biology, and one unit in an advanced course such as: Chemistry, Physics, Environmental Science, AP Physics, AP Biology, AP Chemistry, AP Environmental Science
Social Studies	3.0 credits: World Studies, American History, and American Government
Health	0.5 credits
Physical Education	0.5 credits (two semesters)
Electives	6.0 credits: Any combination of the following: foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, JROTC, or additional language arts, science or social studies courses not required under the Ohio Core.
TOTAL	21.0 CREDITS

20 hours of community service during the senior year, commencing with the summer of the senior year, are required.

1. High School Graduation

The courses in this section are the minimum requirements for graduation established by the State Department of Education and the Milford Board of Education. Students eligible for graduation from Milford High School must complete successfully a total of 21 credits. (One credit equals one "Carnegie Unit" - a standard unit of measurement.) Graduation credits are composed of specific required courses and elective courses chosen by the student. The chart above includes the minimum requirements for courses and credits needed to graduate.

2. Ohio Graduation Tests

Students must pass all sections of the Ohio Graduation Test (OGT) in order to graduate and to participate in the graduation ceremony.

3. Career Passports

The Career Passport must be completed prior to graduation. The career passport contains a career narrative, a verification of employability skills assessment, and a resume which will be entered electronically via the website oh.kuder.com.

4. Fine Arts Requirement

Students are required to complete two semesters of fine arts between grades 7 and 12 to meet this graduation requirement. Courses taken in grades 7 and 8 do not count for elective credit, but do count toward the course completion requirement. Students planning to graduate in a career-technical program do not have to meet this requirement.

MHS NINTH GRADE COMMUNITY

Dear Student and Parents:

Welcome to the Ninth Grade Community (NGC). This course selection guide is prepared to assist you in selecting courses for the ninth grade year and beyond. Research indicates that the ninth grade year is the most critical year of high school. It is extremely important to begin creating the high school transcript in a positive manner. The high school master schedule is created based upon classes students select this spring; therefore, carefully consider which courses you select. Course changes requested in the fall may not be possible because classes may be filled.

The NGC was established to provide a successful transition to the high school. The NGC groups incoming freshmen into four teams of teachers for their four core academic classes. Students are placed on teams based on random assignment and student choice of academic course selection. Each team consists of one teacher from each of the core subjects: English, science, social studies, and mathematics. Teaming allows teachers to communicate what works best for individual students, including strategies for intervention as well as enrichment for more gifted students. In addition to academic support, teams discuss behavioral and social issues as well as encourage extracurricular participation, school spirit, and personal responsibility.

The teams of teachers get to know each student on an individual, but professional, basis, which in turn encourages greater parental involvement. Each team of teachers has a shared duty period to develop appropriate strategies and provide interventions for students. This duty period also makes communication with parents more efficient since the four core subject area teachers can report progress simultaneously.

The NGC is housed in the new wing of the high school. Ninth grade students are located in this area for four of their academic classes and health class. Students leave the NGC to take their physical education requirement, as well as some elective classes including art, band, chorus, foreign language, publications, applied business, applied technology, family and consumer science, career technical programs, and study hall.

The NGC provides students with a variety of connections within the high school. Student's academic success is enhanced within an environment specifically designed to meet the unique needs of this age group. Through the teams of core teachers, staff, and parents are able to communicate frequently and effectively. Ultimately, the goal of the NGC is to enable students to make a positive transition from junior high to the high school.

Sincerely,

Ernie House

NGC Principal

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ABBREVIATIONS USED THROUGHOUT THIS COURSE SELECTION GUIDE

- AP = Advanced Placement – Application process
- Cr. = Credit – Carnegie Unit
- Prereq. = Prerequisite (s) which must have been completed successfully before taking a particular class
- GPA = Grade Point Average
- TR = Teacher Recommendation – application, interview, approval, or permission required on course selection form
- AVG = Average grade
- CP = College Preparatory

Milford High School
NINTH GRADE COMMUNITY
Course Selection Guide

2011-2012



MILFORD HIGH SCHOOL

One Eagles Way

Milford, Ohio 45150

www.milfordschools.org

Guide posted on Edline.net