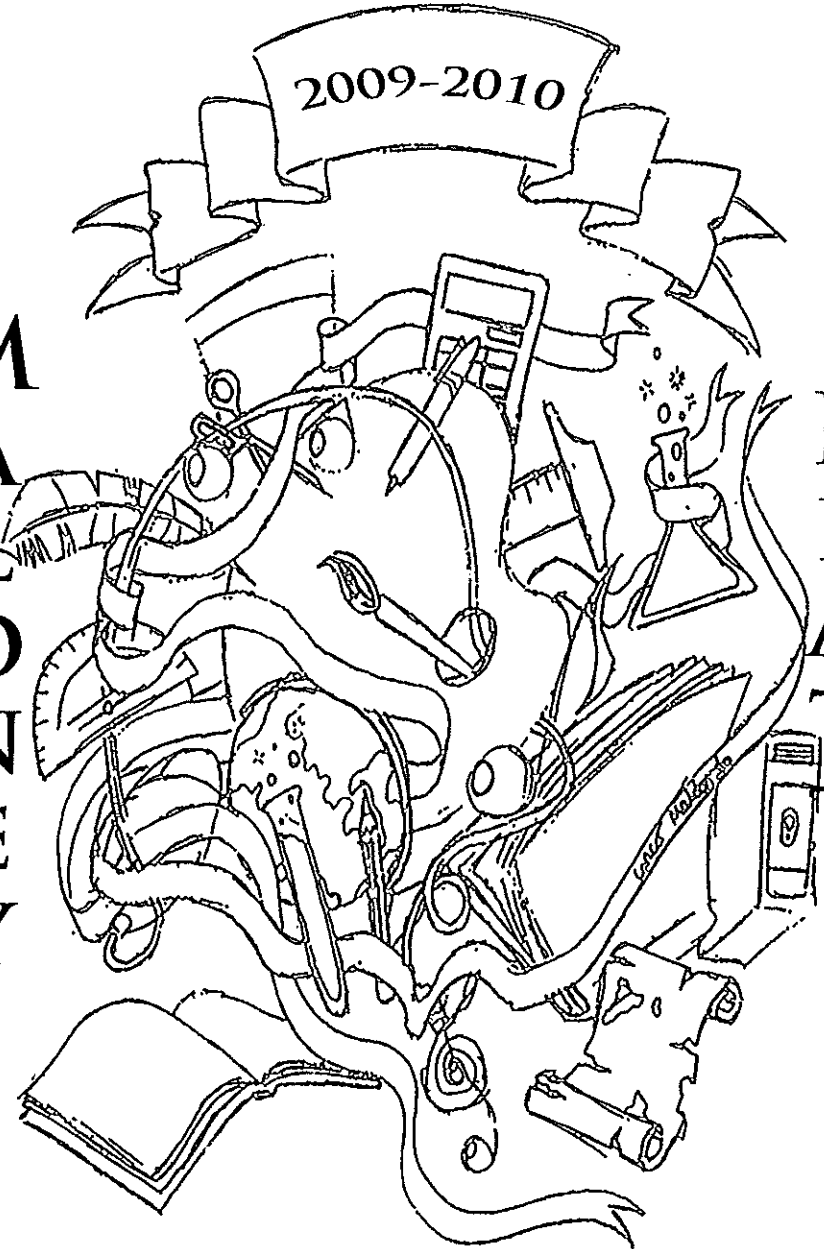


2009-2010

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PROGRAM OF STUDIES



**PROGRAM OF STUDIES
2009-2010**

MERIDEN PUBLIC SCHOOLS

**BOARD OF EDUCATION
ADMINISTRATIVE OFFICES
22 LIBERTY STREET
MERIDEN, CONNECTICUT**

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David Levenduski Assistant Principal, Platt High School
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Erin Putnam Maloney High School
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Louella Spinelli Maloney High School
Maria Sullivan Maloney High School
Susanne Vitcavage, Guidance Director Platt High School
Kathleen Daugherty Platt High School
Edward Grady Platt High School
Keith Lombardo Platt High School

ACKNOWLEDGEMENTS

Mary Zagorski

Cover — Lancer Maldonado
Maloney High School

ACCREDITATION

The New England Association of Schools and Colleges, Inc., is one of six nationally recognized regional accrediting associations in the United States and is the official accrediting agency for high schools in the six New England states. Institutional membership in the Association indicates that the school has been carefully evaluated and found to meet standards agreed upon by qualified educators.

Consistent with accreditation procedures, Maloney and Platt High Schools were evaluated in 2002. Each evaluation consisted of a detailed appraisal by the school faculty and a team of visiting educators. Specific areas of review included all curricular programs, student activities, school philosophy and objectives, facilities and media, guidance and administrative services. In 2003, both Maloney High School and Platt High School were fully accredited by the New England Association of Schools and Colleges.

The Meriden community can take great pride in its high schools' programs. We encourage each and every student to take full advantage of the many resources available to them at Maloney and Platt High Schools.

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NONDISCRIMINATION IN SCHOOL AND CLASSROOM PRACTICES

It is the policy of the Meriden Board of Education to provide equal opportunity for all students to achieve their maximum potential through the programs offered in all Meriden schools regardless of race, color, age, creed, religion, gender, sexual orientation, ancestry, national origin or disability. Course offerings, counseling, assistance, employment, athletics and extracurricular activities shall be provided to all students without discrimination. Reasonable accommodations shall be made for identified physical and mental impairments that constitute disabilities, consistent with federal and state statutes and regulation. Students and third parties who have been subject to discrimination are encouraged to promptly report such incidents to the District's Compliance Officer(s). Referrals to the District's Compliance Officer(s) can be made by contacting the Superintendent of Schools at 630-4171. All complaints of discrimination shall be investigated promptly. Corrective action must be taken when allegations are substantiated. Confidentiality of all parties shall be maintained, consistent with the Board of Education's legal and investigative obligations. Neither reprisals nor retaliation shall occur as a result of good faith charges of discrimination.

The District Compliance Officer for Maloney High School is the principal, Ann Hushin, 121 Gravel Street, Meriden, Connecticut 06450, 238-2334. The District Compliance Officer for Platt High School is the principal, Donna Adduci Mik, 220 Coe Avenue, Meriden, Connecticut 06451, 235-7963.

ATTENDANCE POLICY

SECTION I: STUDENTS

IB8

B. ATTENDANCE

8. Absences and Excuses

It is expected that parents will notify their child's school of absence related to:

- Illness
- Infectious disease
- Family emergency
- Medical appointments which *must* occur during school hours
- Severe weather conditions
- Religious observances

Use of school days for extended vacations is discouraged.

A parent may choose to allow student absence; however, such authorization may not be made in the child's best interest and may not be made legitimately based on expectations noted above. Accordingly, the approval of the principal or his/her designee is also required to excuse student absence.

High School Attendance Policy

The following regulations govern student attendance in high school, including students who are participating in alternative programs as a result of expulsion. A student who is absent from a class unexcused for more than six (6) days in a semester course and more than thirteen (13) days in a full year course will lose credit in the course, whether or not a passing grade is earned, and the transcripts will be marked accordingly.

Excused Absences

Student absence will only be excused in the following circumstances:

- A note from a physician indicating an illness or other diagnosed condition that resulted in absences from school;
- Absence due to an approved school function (i.e., field trips, band concerts, school-sponsored sporting events, etc.);
- Absence due to suspension from school for disciplinary purposes.

Notification Timeline

Parents or guardians of students will be notified of the potential of failure due to poor attendance in accordance with the following table:

Number of Absences	Notification Required for Semester Courses	Notification Required for Full Year Courses
3	School Attendance Notification letter sent to the home and contact made by school personnel	
7	Letter sent home indicating student has lost credit in the course(s) and contact made by school administration	School Attendance Notification letter sent to the home and contact made by school personnel
14		Letter sent home indicating student has lost credit in the course(s) and contact made by school administration

Tardies

Students are required to report to Homeroom by 7:35 A.M. Students who report to school after 7:40 A.M. will not be admitted to class and will be marked absent for the first clock period. Parents should note that students who are marked absent because of tardiness will be subject to consequences outlined previously in the high school attendance policy.

Appeal Seeking Waiver of the Policy

Within five school days of a student's receiving notification that he/she has lost credit for a course, he/she may submit to the principal a request for waiver of this high school attendance policy. Requests submitted after that time will not be considered. In any such appeal, the student shall set forth, specifically, the basis on which he/she is requesting waiver, taking into account the standards set forth below.

- Appeals will be granted only in extraordinary circumstances. The general rule is that students must meet the attendance requirements set forth above in order to receive credit for the course.
- Appeals based on medical excuse shall not generally be granted unless medical excuses (from a treating physician) are provided within 5 school days of the absence(s).
- In considering such appeals, the principal shall consider the student's achievement and his/her ability to demonstrate mastery of the course work notwithstanding the absences.

In considering an appeal, the principal or his/her designee shall apply the standards set forth above. The principal or his/her designee shall issue a written decision on the appeal within ten school days. The decision of the principal or his/her designee shall be final.

Attendance Redemption

In the case that a student has lost credit in a course because of poor attendance, he/she may still be able to earn credit if he/she completes a participation contract with the principal or his/her designee. The signed contract may specify that the student will:

- Participate completely and positively in the class;
- Complete all class and homework assignments, quizzes, and tests;
- Pass the midterm and/or final examination;
- Have no additional class cuts, unexcused absences, and/or tardiness to class;
- Have no additional class absences because of in or out of school suspension;
- Complete an extra assignment or project showing mastery of the class curriculum;
- Successfully complete summer school or the equivalent program as approved by the principal.

The principal or his/her designee will review the student's progress and determine if credit is reinstated to the student.

Amended: July 1, 2008

INTRODUCTION

Maloney and Platt High Schools offer students a wide variety of subject choices. This makes it possible for them to select a four-year educational program best suited to their particular needs, interest and abilities. Students should discuss their program carefully with their parents and school guidance counselor. Although they will select their courses one year at a time, it is advisable to have a 4-year plan.

REQUIREMENTS FOR PROMOTION

To enroll in the ninth grade at either high school, a student must have passed eighth grade. To be promoted to grade 10, a student must have passed 5.25 units. To be promoted to grade 11, a student must have passed 10.25 units. To be promoted to grade 12, a student must have passed 15.25 units.

REQUIREMENTS FOR GRADUATION

Each student must successfully complete the following requirements for graduation as established by the Meriden Board of Education.

Required for Graduation

4 years of English (English 9,10,11,12)	4 units
3 years of Mathematics	3 units*
3 years of Social Studies (must include Civics and U.S. History).	3 units
2 years of Science (one must be in Biology).	2 units
1 year of the Arts or Vocational Education	1 unit
1 year of Business or Computer Education	1 unit
3 years of Physical Education	1.5 units
1 year of Health Education.	1/2 unit
**Community Service	1/4 unit
Electives.	6 units
Total	22 1/4 units

* Computer courses cannot be used to satisfy mathematics graduation requirement.

Courses in art, music or theatre qualify for the Arts requirement. Selected offerings in the Vocational Education, Technology Education and Family and Consumer Science Departments meet the Vocational Education requirement. Computer education requirement can be fulfilled by any course that uses computers as the primary means of instruction.

** All students graduating from Meriden's Platt High School and Maloney High School will complete no less than twenty (20) hours of approved community service during their high school years as a requirement for graduation. Community service must be completed with a local non-profit agency. All approved community service hours must be completed by the end of the third marking period of their senior year.

GRADING SYSTEM

Grade	Approximate Numerical Equivalent	Grade	Approximate Numerical Equivalent
A	93 - 100	C	73 - 76
A-	90 - 92	C-	70 - 72
B+	87 - 89	D+	67 - 69
B	83 - 86	D	63 - 66
B-	80 - 82	D-	60 - 62
C+	77 - 79	F	Below 60

CLASS RANK

All students are ranked at the end of their junior year and again after the end of the third term of their senior year. In order to be ranked in the top ten, a student must have been enrolled at Platt and/or Maloney High Schools for a minimum of seven marking terms. Students entering either high school as a senior will retain the rank of their sending school for the purpose of college and/or scholarship applications.

The class rank will be calculated as follows:

Procedure:

1. All courses taken during high school years counted.
2. If a student transfers from a state accredited school, courses taken will be assigned Meriden's point value and used in the calculation of the grade average.
3. Grades in each course taken will be assigned a point weight according to the following scale:

GRADE POINT WEIGHTS			
AA/A/B		AP/C	
A	4.00	A	5.00
A-	3.67	A-	4.67
B+	3.33	B+	4.33
B	3.00	B	4.00
B-	2.67	B-	3.67
C+	2.33	C+	3.33
C	2.00	C	3.00
C-	1.67	C-	2.67
D+	1.33	D+	2.33
D	1.00	D	2.00
D-	.67	D-	1.67
F	.00	F	.00

4. Grade point weights will be multiplied by credit value to determine a point value. Total point value will be divided by total credits to determine the grade average.
5. For the purpose of top 10 recognition and selection of the valedictorian and salutatorian, students will have to have completed their junior and senior year at the school.

Special Note: All students who take both before and during school chorus, must choose which course/grade they wish to be counted toward class rank at the time of registration.

CAPT STANDARDS

Connecticut law, PA 01-166 (b), requires each school district to specify basic skills necessary for graduation beginning with the class of 2006 and beyond, and develop a process to assess a student's level of competency in these skills. All grade 10 students in the Meriden Public Schools will be required to take the state mandated Connecticut Academic Performance Test (CAPT). This information will be recorded on the permanent records of each student.

In order to graduate, students must reach a minimum of basic level competency on the CAPT, pass a District Basic Skills test or complete a Basic Skills course.

Students in grade 11 who did not take the CAPT are required to do so. Students who do not pass all sections of the test in grade 10 must retake those failed sections in grade 11. Students who are unable to pass all sections of the CAPT will be afforded an opportunity to demonstrate these skills through the use of an alternate assessment and/or the possibility of additional coursework.

UNIT REGULATIONS

Students are required to carry a minimum of 5 credits of course work per year. Courses may carry 1, 1/2 or 1/4 units of credit. Credits are not given for courses which have already been passed except for Band, Orchestra or Chorus. Unit credit for graduation is given for each subject completed with a final mark of A, A-, B+, B, B-, C+, C, C-, D+, D, D-, P.

PASS-FAIL OPTION

The pass-fail option described below is open to all 9, 10, 11 and 12 grade students.

- A. Only one pass/fail credit may be taken per school year. To take a course pass/fail, the student must be enrolled in a schedule of 5 credits per year in addition to the course being taken as pass/fail. This schedule must be in addition to the PE/Health requirement. Application forms are available in the guidance office and must be approved by the principal.
- B. Students selecting a pass/fail course must sign up in Guidance by the fifth (5th) Friday of the semester.

- C. If a student drops a course, the pass/fail course will revert to a graded course unless another graded course is added to the schedule to replace the one that is dropped.
- D. Pass/fail courses will not be computed in the class rank or honor rolls.
- E. Pass/fail courses will be credited toward graduation requirements.
- F. This pass/fail option does not impact the SAT prep course.
- G. The following courses are not eligible to be taken as pass/fail:
 1. Courses required for graduation
 2. Foreign language courses
 3. Honors or AP courses

AUDITING COURSES

Students who wish to audit a course must have the recommendation of their counselor and the approval of the department head. Audit courses will not be credited toward graduation requirements or class rank. Audit courses must be carried in addition to the normal class load. Students must meet all course requirements.

REPEATING COURSES

Students who repeat a course for which credit has already been received may do so but will not receive credit for taking the same course (with the exception of selected music courses). All the requirements of the course must be met and a grade will be recorded.

COLLEGE CAREER PATHWAYS

The College Career Pathways Program provides an opportunity to earn college credits while in high school. It is designed for high school students with an overall “C” average who desire to further their education. College Career Pathways offers courses linked to an A.S. Degree or Pathways Program of Study at Middlesex Community College (MxCC). Its goal is to enable students to earn college credits in an approved academic program at the high school level. The credits are awarded by Middlesex Community College but will be transferable to any college that accepts MxCC transfer credits. The courses that qualify for this program are identified by a double asterisk (**). UCONN Early College Experience (ECE) provides academically motivated students the opportunity to take university courses while still in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree.

ECE instructors, who are certified as adjunct professors by UCONN faculty, create a classroom environment fostering independent learning, creativity and critical thinking — all pivotal for success in college. To support rigorous learning, University of Connecticut library resources are also available to students.

ECE students must successfully complete the course with a grade of C or better in order to receive university credit. University credits are highly transferable to other universities. The courses that qualify for this program are identified by a triple asterisk (***)

HONORS COURSES

Honors courses are offered in many subjects. Students selecting such courses should have a high degree of ability in the areas selected and be willing to spend considerable time in outside preparation. The work is more advanced and covers more ground than the corresponding regular courses. Although not required, it is strongly recommended that students have the recommendation of the department offering the course. Extra honor roll and class rank credits are given in such courses. Honors courses are identified by a designation of “C”. Any student who chooses an honors course will be expected to complete at least the first four weeks of Term 1. Any student leaving a “C” level course for a “B” level course during any term will receive final ranking at the “B” level course.

ADVANCED PLACEMENT

Certain courses have been designed to prepare students for Advanced Placement exams for college credit. These courses are noted in the course descriptions. At the end of the year, students who participate in these courses will take the appropriate Advanced Placement exams which are administered on a national basis and recognized by many colleges and universities. Advanced Placement courses are identified by a designation of “AP.” The same credit as honors courses is awarded. The Board will pay the cost of Advanced Placement examinations. Students taking Advanced Placement courses must score a 3 or better on the Advanced Placement Exam to be eligible to earn college credit.

INDEPENDENT STUDY PROGRAM

The Independent Study Program provides students with an opportunity to carry out a program of study in a field of interest not readily available in the regular curriculum. To take a course as an Independent Study, the student must be enrolled in a schedule of 5 credits per year in addition to the course being taken as Independent Study. A student desiring to pursue such a program has the responsibility to initiate application for independent study, to select a faculty sponsor and organize and complete a project proposal. Application and project proposal forms are available from the guidance office.

Independent study units earned may be counted toward graduation requirements. Student evaluation will be determined by the independent study sponsor. A student may earn a maximum of one unit of credit per year. Students do not receive additional quality points for independent study.

STUDENT INTERNSHIP

1. Student internships will only be scheduled in lieu of an existing study hall.
2. A student may earn a maximum of one unit of credit in any academic year through the Internship Program.
3. Seniors may not elect an internship for the second semester if the credit is needed for graduation.
4. The submission deadline for a student internship shall be the fourth (4th) Friday of the current term.
5. Internship credits shall be counted toward graduation, but shall not replace any required course.
6. A failing internship grade in any term shall terminate the program and credit will be prorated.
7. Honors credit is not available through the Internship Program.
8. Students must carry a minimum of five (5) scheduled credits for the year in addition to the Internship credit.

NATIONAL HONOR SOCIETY

Membership in the National Honor Society is an honor bestowed upon a student. Selection is based on outstanding scholarship, character, leadership, and service. Students must have a 3.5 grade point average. Character is measured in terms of integrity, behavior, ethics, and cooperation with both students and faculty. Leadership must be demonstrated in community and/or school activities and must be verified by a supervisor or sponsor. To meet the service requirement, the student must be active in service projects in the school and/or the community. Students are screened by a Faculty Council consisting of five members of the faculty who are appointed by the principal.

Transfer students who wish to be considered for the National Honor Society must alert their guidance counselor.

Once accepted into the National Honor Society, members are expected to uphold the standards of scholarship, character, leadership and service that were the basis for their selection by the NHS Faculty Council. Members who fail to maintain these standards are subject to procedures outlined in the chapter's bylaws and the National Honor Society handbook, a copy of which is available upon request.

ELIGIBILITY FOR ATHLETES: CIAC

Students are eligible to participate in athletics for eight consecutive semesters or four consecutive years, from the date of entry into the ninth grade. Students will not be eligible to participate in a fifth year unless a hardship request is granted by the Eligibility Review Board and promotes consistent progress toward meeting graduation requirements.

NCAA GUIDELINES FOR THE COLLEGE-BOUND STUDENT ATHLETE

NCAA guidelines for the college-bound student athlete are available in the guidance office.

GUIDANCE AND COUNSELING SERVICES

School guidance and counseling services are recognized as those services which facilitate the development of each pupil within the formal educational structure of the school. Guidance services most commonly identified are: counseling, testing and test interpretation, referral, career planning, orientation, programming and consulting. The counselor's function is to help students get the most from their school experiences, to assist with problems if they arise and to help students plan realistically for the future.

Your guidance counselor plans to meet with you periodically during the school year. You and your parents are encouraged to make an appointment with him or her should you have any questions or concerns.

COURSE CHANGE PROCEDURES

The Guidance Department encourages students to select their programs of study carefully. The courses students select should have a direct relationship to their career and vocational plans. Parents, teachers and counselors should be consulted before a final program is decided. Once a decision is made, counselors review each program for graduation requirements, proper course sequence and future high school plans. Students are responsible for making certain that their programs are satisfactorily completed.

Procedures:

1. The scheduling process begins in January of the current school year and is completed by July 1st. Once students have selected a program of study and have obtained their parents' approval, changes will be considered up to July 1st. Students new to the Meriden Public Schools will be programmed during the summer prior to the opening of school.
2. Computer errors in student schedules will be corrected during the first week of school.
3. After the completion of the second term, a full course may not be dropped. A semester course may not be dropped after the first marking term of the course.
4. Unique or extenuating circumstances that require a change in program, other than level changes, will be considered on an individual basis and must have the approval of the Director of Guidance and the Principal.

SUGGESTIONS FOR CHOOSING A GOOD PROGRAM

1. Select a program in keeping with your scholastic abilities and then strive for the best possible accomplishment.
2. Plan to take subjects from several different areas. You may discover new interests and talents. The chance for free elective choices in your program makes this possible.
3. Plan for a two or three-year sequence in as many subjects as possible. This element of depth can be important.
4. See your guidance counselor for help in making choices based on your abilities, interests, goals and your academic record.
5. Your parents are most important. They, along with your teachers and guidance counselor, can offer helpful advice. However, the final decision of your courses should be mutually agreeable to you and your parents.
6. Generally, it is not recommended that you elect advanced courses that are part of a sequence of offerings unless you have earned a grade of "C" or better in prerequisite courses.

COURSE LEVELS

A course title may be followed by the letters AA, A, B, C or AP which designate the degree of course difficulty. Assignments to course levels are made cooperatively by teachers, guidance, student, and parents. The particular course levels are indicated in the following manner.

AA - Remedial courses intended to improve basic skills in the subject

A - General courses requiring average ability

B - College preparatory courses requiring above average ability and previous academic success

C - Honors courses requiring exceptional ability and motivation

AP - Honors courses designed to prepare students for Advanced Placement exams

SUGGESTED COURSE SEQUENCES

The following are examples of possible programs for students. They are designed to fit your needs but all may have considerable variation. In most cases a certain level of English or mathematics is suggested, but this does not mean that you can't substitute a remedial or an honors course. You are the one to tailor the program for yourself. Take only those courses that best suit your needs.

BASIC COURSE PROGRAM

The following program serves only to list the subjects required for graduation. A great deal of variation from the basic pattern is possible and expected because it is necessary that your program be designed to meet your needs.

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Math	Math	Math	Arts or Vocational
Social Studies	Biology	U.S. History	Education
Science/Biology	Social Studies	Business or	Elective
Phys. Education	Phys. Education	Computer Educ.	Elective
Health	Elective	Phys. Education	Elective
Elective	Elective	Elective	
		Elective	

COLLEGE PREPARATORY PROGRAMS

Below are suggested program guidelines which offer flexibility to students planning to continue their education beyond high school:

Rigorous College Prep Program	Standard College Prep Program	Modified College Program
4 yrs English B*	4 yrs English-B level	4 yrs English-A or B level
4 yrs Math B*	3-4 yrs Math-2 yrs Alg.	3-4 Math-2 yrs Alg.
3-4 yrs Soc. St. B*	1 yr Geom.	1 yr Geom.
4 yrs Science B*	3 yrs Soc. St.-B level	3 yrs Soc. St.-A or B level
3-4 yrs Foreign Lang.*	3-4 yrs Science-B level	3 yrs Science-A or B level
1 yr Computer Ed.	2-3 yrs Foreign Lang.	1 yr Comp/Business Ed.
1 yr Fine Arts	1 yr Comp/Business Ed.	1 yr Fine Arts/Voc. Ed.
3 yrs Phys. Ed.	1 yr Fine Arts/Voc. Ed.	3 yrs Phys. Ed.
1 yr Health	3 yrs Phys. Ed.	1 yr Health
Appropriate Electives	1 yr Health	Appropriate Electives
	Appropriate Electives	

*Honors or Advanced Placement courses should be selected by students seeking greater academic challenge.

Students interested in engineering should complete physics, engineering drafting and four years of mathematics. Students interested in physical therapy are advised that physics may be a requirement, and four years of mathematics are recommended.

Students are advised to consult with the admissions offices of those colleges they might wish to attend as early as possible to determine specific entrance requirements. Students and parents are encouraged to seek the assistance of the guidance counselor in discussing and planning for higher education.

BUSINESS PROGRAM

All students are encouraged to consider electing one or more courses from the Business Department. The Business Department has programs which will assist you in preparation for immediate employment upon graduation, provide you with the necessary background leading to further study at both two and four year colleges and enable you to develop skills for your own personal use which can serve you throughout your life.

BUSINESS PROGRAM

Course Selection Recommendations:

A. Business courses for students planning a business career and post-high school education:

Accounting	Keyboarding/Word Processing
Business Management	
Computer Applications 1 and 2	
Advanced Computer Applications 1 and 2	

B. Essential business courses for direct entry into the work force:

Keyboarding/Word Processing	General Business (or)
Accounting or Recordkeeping	Business Management
Computer Applications 1 and 2	

C. Business courses essential for conducting personal business:

Keyboarding/Word Processing	Youth, Law & Business
Accounting or Recordkeeping	General Business
Computer Applications 1 and 2	
Business Management	

HEALTH SERVICE PROGRAM

This suggested program will apply to those students who plan to pursue a career as Licensed Practical Nurses, Radiological Technicians, Laboratory Technicians, Surgical Technicians, or Inhalation Therapists. Those who want to become registered nurses should pursue a regular college preparatory program.

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Algebra 1	Geometry	Math	Human Anat./Phys.
Social Studies	Biology	U.S. History	Medical Careers
Science	Social Studies	Chemistry	1 or 2
Phys. Education	Keyboarding/ Word Processing	Algebra 2	Elective
Health	Medical Careers 1	Medical Careers 1 or 2	
Elective	Phys. Education	Phys. Education	

It is recommended that a student take the college preparatory level course in English, mathematics and science, if possible.

Students who wish to pursue careers in any area of Career and Technical Education should select courses in Family and Consumer Science, Technology Education and/or Vocational Education. Students and their parents should consult the guidance counselor regarding course selections.

PROGRAMS FOR NON-ENGLISH SPEAKING STUDENTS

Non-English speaking students have available to them two types of instructional service at the high school level. Students whose dominant language is one that is unique or shared only with a very limited number of other non-English speaking students have available to them English as a Second Language (ESL) tutorial instruction. ESL instruction is provided to students on a supplemental basis.

Students whose dominant language is Spanish have available to them a full Bilingual Program. This program provides students with basic instruction in the language they best understand. While in the program, students are instructed to develop their English language skills to the point where they can participate in the mainstream high school program. Students in the Bilingual Program may meet the Board of Education graduation requirements for English by successfully completing a combination of four units of Alternative English and mainstream, basic English offerings or four units exclusively of Alternative English. Also, students in the Bilingual Program may take Transitional English for elective credit. Both Alternative English and Transitional English may be elected only with the recommendation of the professional staff.

GRADING FOR NON-ENGLISH SPEAKING STUDENTS

Non-English speaking students may be graded on a pass/fail basis until such time as the teacher can convert the grade from the pass/fail system into a positive letter grade.

Depending on the individual student needs, it is possible for a student to remain on a pass/fail basis for the entire school year. These students will not be limited to the one course per year pass/fail policy.

Pass/fail courses will not be computed in the class rank or honor rolls. Pass/fail courses will be credited toward graduation requirements.

PREREQUISITE COURSES

It is assumed, unless in a case waived by the building principal, a student must have a passing grade in the prerequisite course in order to continue in the course series.

SCHOOL CHOICE

Parents and students are encouraged to explore other educational opportunities that are offered in the school district locally or regionally. These options may include magnet, charter, lighthouse and vocational-technical schools; Open Choice and interdistrict programs; and vocational agriculture centers. Contact the Guidance Department for further information on these School Choice options.

COURSE OFFERINGS

Course Descriptions begin on page 15.

ART		Credit	Offered in Grade			
161	Art 1	1	9	10	11	12
162	Art 2	1		10	11	12
163	Art 3	1			11	12
164	Art 4C	1			11	12
165	Crafts 1	1	9	10	11	12
166	Crafts 2	1		10	11	12
167	Photography 1 (Semester Course)	1/2			11	12
168	Photography 2 (Semester Course)	1/2			11	12
171	Art History (Semester Course)	1/2	9	10	11	12
172	Cultural Arts & History (Maloney Only)	1			11	12
175	Cartooning & Animation (Semester Course)	1/2	9	10	11	12
177	Design 1 (Semester Course)	1/2	9	10	11	12
178	Design 2 (Semester Course)	1/2	9	10	11	12
179	Drawing 1 (Semester Course)	1/2	9	10	11	12
181	Drawing 2 (Semester Course)	1/2	9	10	11	12
185	Puppetry & Marionettes (Semester Course)	1/2	9	10	11	12
186	Stage Art	1	9	10	11	12
197	Studio Art AP	1			11	12
198	Student Intern in Art (By recommendation)	1/2-1			11	12
199	Independent Study in Art	1/4-1		10	11	12
BUSINESS						
601	General Business	1	9	10		
**605	Business Management	1			11	12
607	Personal Finance and Banking	1		10	11	12
608	Finance and Banking Internship (Maloney Only)	1			11	12
**611	Keyboarding/Word Processing	1	9	10	11	12
619	Record Keeping	1	9	10	11	12
621	Accounting 1	1		10	11	12
**622	Accounting 2	1			11	12
642	Youth, Law and Business (Semester Course)	1/2			11	12

BUSINESS		Credit	Offered in Grade			
**644	Computer Applications 1 (Semester Course)	1/2	9	10	11	12
**645	Computer Applications 2 (Semester Course)	1/2	9	10	11	12
646	College Prep Skills	1				12
664	Student Intern in Business	1/2-1	9	10	11	12
**688	Advanced Computer Applications 1	1/2		10	11	12
**689	Advanced Computer Applications 2	1/2		10	11	12
699	Independent Study in Business	1/4-1		10	11	12

**Eligible for Middlesex Credit Grades 11 & 12

ENGLISH

001	Level AA (By Recommendation)	1	9			
002	Level A	1	9			
003	Level B	1	9			
004	Level C	1	9			
011	Level AA (By Recommendation)	1		10		
012	Level A	1		10		
013	Level B	1		10		
014	Level C	1		10		
021	Level AA (By Recommendation)	1			11	
022	Level A	1			11	
023	Level B	1			11	
024	Level C	1			11	
031	Level AA (By Recommendation)	1				12
032	Level A	1				12
033	Level B	1				12
034	Level C	1				12
036	AP English Literature and Composition	1				12
040	Creative Writing/Journalism	1	10	11	12	
042	Films	1		11	12	
045	Modern Fiction & Poetry	1		11	12	
049	Dramatics	1	10	11	12	
**059	Public Speaking	1	10	11	12	
062	Study Skills (Maloney Only- (By Recommendation))	1/2	9	10		
065	English & Mathematics SAT Skills (Fall)	1/4-1/2 (P/F)			11	12
066	English & Mathematics SAT Skills (Spring)	1/2 (P/F)			11	12
070	Alternative English 1 (Maloney Only)	1	9	10	11	12
072	Alternative English 2 (Maloney Only)	1	9	10	11	12
074	Alternative English 3 (Maloney Only)	1	9	10	11	12
076	Alternative English 4 (Maloney Only)	1	9	10	11	12
078	Transitional English 1 (Maloney Only)	1	9	10	11	12
080	Transitional English 2 (Maloney Only)	1	9	10	11	12
099	Independent Study in English	1/4-1		10	11	12

**Eligible for Middlesex Credit Grades 11 & 12

FAMILY AND CONSUMER SCIENCE

*701	Child Development 1	1		10	11	12
*703	Introductory Foods	1	9	10	11	12
*705	Advanced Foods	1		10	11	12
*708	Interior Design	1	9	10	11	12
*709	Textiles and Apparel (Platt Only)	1	9	10	11	12
*710	Advanced Textiles and Apparel (Platt Only)	1	9	10	11	12

FAMILY AND CONSUMER SCIENCE		Credit	Offered in Grade			
713	Human Relations	1	9	10	11	12
714	Food of the World	1/2	9	10	11	12
730	Parenting	1	9	10	11	12
*740	Food Service	1-2		10	11	12
**750	Child Development 2	1-2				12
760	Family and Consumer Science Internship	1/4-1		10	11	12
***788	Introduction to Individual and Family Development C (UCONN ECE)	1			11	12
*799	Independent Study in Family and Consumer Science	1/4-1		10	11	12

*Eligible for Vocational Education Credit

**Eligible for Middlesex Credit Grades 11 & 12

***Eligible for UCONN Credit

HEALTH EDUCATION

911	Health Education	1/2	9			
915	Changing Person (Semester Course)	1/2		10	11	12
921	First Aid (Semester Course)	1/2		10	11	12
958	Health Education Internship	1/2-1		10	11	12

MATHEMATICS

201	Math 1 (By Recommendation)	1	9	10	11	12
229	Algebra 1 A	1	9	10	11	12
230	Algebra 1 B	1	9	10	11	12
231	Algebra 1 C	1	9	10	11	12
232	Algebra 2A	1		10	11	12
**233	Algebra 2B	1		10	11	12
**234	Algebra 2C	1		10	11	12
238	Algebra 3 and Introduction to Trigonometry	1		10	11	12
241	Geometry A	1	9	10	11	12
242	Geometry B	1	9	10	11	12
243	Geometry C	1	9	10	11	12
244	Statistics B	1				12
***245	AP Statistics /UCONN ECE	1			11	12
250	Trigonometry & Analytic Geometry B	1			11	12
**251	Pre-Calculus C	1			11	12
**252	Elements of Finite Mathematics & Calculus B	1			11	12
** ***253	AP Calculus AB/UCONN ECE	1			11	12
254	Computer Programming, Part 1B (Semester Course)	1/2	9	10	11	12
255	Computer Programming, Part 1C (Semester Course)	1/2	9	10	11	12
256	Computer Programming, Part 2B (Semester Course)	1/2	9	10	11	12
257	Computer Programming, Part 2C (Semester Course)	1/2	9	10	11	12
259	AP Computer Science AB	1			11	12
263	AP Calculus BC	1			11	12
264	Student Intern in Mathematics	1/2-1			11	12
267	Student Internship in Computer Science	1/2-1		10	11	12
270	CAPT Prep - Second Semester (Seniors only)	None				12
065	English and Mathematics Study Skills (Fall)	1/4-1/2 (P/F)			11	12

MATHEMATICS		Credit	Offered in Grade		
066	English and Mathematics Study Skills (Spring)	1/2 (P/F)		11	12
298	Independent Study in Computer Science	1/4-1	10	11	12
299	Independent Study for Math	1/4-1	10	11	12

**Eligible for Middlesex Credit Grades 11 & 12

***Eligible for UCONN Credit

MUSIC

101	Colorguard	1/2	9	10	11	12
102	Band	1	9	10	11	12
103	Band C	1	9	10	11	12
104	Orchestra (5 periods)	1	9	10	11	12
106	Music Theory	1	9	10	11	12
108	Class Guitar 1	1	9	10	11	12
110	Class Guitar 2	1	9	10	11	12
112	Class Piano 1	1	9	10	11	12
114	Class Piano 2	1	9	10	11	12
115	Advanced Piano	1		10	11	12
116	Jazz Lab	1/2-1	9	10	11	12
118	Jazz Band	1/2	9	10	11	12
120	Music & The Theatre	1	9	10	11	12
122	Music Survey - Early to Contemporary	1	9	10	11	12
123	Morning Choir	1/2	9	10	11	12
124	Concert Choir (5 periods)	1	9	10	11	12
126	Pentangle Preps (Platt Only)	1	9	10	11	12
127	Pentangle Players (Platt Only)	1	9	10	11	12
128	Cantabiles (Maloney Only)	1/4-1	9	10	11	12
129	Allegrettos (Maloney Only)	1	9	10	11	12
140	Music Technology (Maloney only)	1		10	11	12
149	AP Music Theory	1			11	12
160	Student Internship in Music	1			11	12
182	Independent Study in Music	1/4-1	9	10	11	12

PHYSICAL EDUCATION

912	Grade 9 - Boys & Girls	1/2	9			
918	Weight Training and Nutrition	1/2		10	11	12
922	Grade 10 - Boys & Girls	1/2		10		
923	Lifesaving (Semester Course)	1/2		10	11	12
932	Grade 11 - Boys & Girls	1/2			11	
988	Physical Education Internship	1/2-1		10	11	12

SCIENCE

301	General Science AA (By Recommendation)	1	9	10	11	12
302	General Science A	1	9	10	11	12
303	General Science B	1	9	10		
304	General Science C	1	9	10		
311	Biology AA (By Recommendation)	1		10	11	12
312	Biology A	1		10	11	12
313	Biology B	1		10	11	12
**314	Biology 1C	1	9	10	11	12
**315	AP Biology (with #315 lab) (ECE Platt only)	1 ^{1/2}		10	11	12
**316	AP Biology Lab (taken with #315)			10	11	12
322	Ecology	1			11	12
324	Earth Science	1			11	12
329	Human Anatomy and Physiology A	1			11	12

SCIENCE		Credit	Offered in Grade		
330	Human Anatomy and Physiology B	1		11	12
331	Physics B	1		11	12
332	Physics C	1		11	12
340	Human Anatomy and Physiology C	1		11	12
341	Chemistry A	1		11	12
342	Chemistry B	1	10	11	12
343	Chemistry C	1	10	11	12
345	Astronomy	1/2		11	12
***346	AP Chemistry (ECE – Platt only)	1 1/2	10	11	12
***347	AP Chemistry Lab (ECE – Platt only)		10	11	12
395	Science Internship	1/2		11	12
399	Independent Study for Science	1/4-1	10	11	12

**Eligible for Middlesex Credit

SOCIAL STUDIES

401	Civics AA (By Recommendation)	1	9	10	
402	Civics A	1	9	10	
405	World Geography	1	9	10	11 12
408	World Civilization AA (By Recommendation)	1	9	10	11 12
410	World Civilization A	1	9	10	11 12
411	World History 1B	1	9	10	
413	World History 1C	1	9	10	
415	World History 2B/Civics	1		10	
417	World History 2C/Civics	1		10	
421	United States History AA (By Recommendation)	1		11	12
422	United States History A	1		11	12
423	United States History B	1		11	12
424	United States History C	1		11	12
425	AP United States History	1		11	12
426	History of the Non-Western World	1	10	11	12
434	AP European History	1		11	12
436	Meriden: The Town In Which We Live (Platt Only)	1/2	10	11	12
438	Economics (Semester Course)	1/2	10	11	12
441	Geography (Semester Course)	1/2	10	11	12
442	Geography B (Platt Only- Semester Course)	1/2	10	11	12
451	Sociology (Semester Course)	1/2		11	12
453	Human Behavior (Semester Course)	1/2		11	12
454	Youth & Government C (By Recommendation)	1/2	10	11	12
455	Senior Forum	1			12
499	Independent Study for Social Studies	1/4-1	10	11	12

TECHNOLOGY EDUCATION

*801	Drafting 1	1	9	10	11 12
*802	Drafting 2	1		10	11 12
*803	Drafting 3	1		10	11 12
*804	Engineering Drafting	1			11 12
*811	Information Systems	1	9	10	11 12
*813	Video Production	1			11 12
* **815	Web Design	1/2		10	11 12
* **817	Adobe Photoshop	1/2	9	10	11 12
*818	Robotics	1	9	10	11 12
*819	Exploring Technology	1	9	10	11 12
*820	Home Maintenance & Consumer Education	1	9	10	11 12

TECHNOLOGY EDUCATION		Credit	Offered in Grade			
*831	Power and Transportation Technology 1	1	9	10	11	12
*832	Power and Transportation Technology 2	1	9	10	11	12
*833	Power and Transportation Technology 3	1		10	11	12
*841	Materials Processing Technology 1	1	9	10	11	12
*842	Materials Processing Technology 2	1	9	10	11	12
*843	Materials Processing Technology 3	1		10	11	12
*850	Technology Education Internship	1/4-1		10	11	12
*899	Independent Study in Technology Education	1/4-1		10	11	12

*Eligible for Vocational Education Credit

**Eligible for Middlesex Credit

VOCATIONAL EDUCATION

740	Food Service	1-2		10	11	12
750	Occupational Child Care Service	1-2				12
851	Marketing 1	1		10	11	12
**852	Marketing 2	1-2			11	12
853	Marketing 3	1-2			11	12
870	Cooperative Work Experience	1-2				12
873	Medical Careers 1	1		10	11	12
876	Medical Careers 2	1 1/2			11	12
888	Vocational Education Internship	1/4-1			11	12
899	Independent Study for Vocational Education	1/4-1			11	12

**Eligible for Middlesex Credit Grades 11 & 12

WORLD LANGUAGES

501	French 1	1	9	10	11	12
502	French 2	1	9	10	11	12
503	French 3	1		10	11	12
504	French 4C	1			11	12
505	AP French Language	1			11	12
521	Latin 1	1	9	10	11	12
522	Latin 2	1	9	10	11	12
523	Latin 3	1		10	11	12
524	Latin 4C	1			11	12
525	AP Latin: Vergil	1			11	12
531	Spanish 1	1	9	10	11	12
532	Spanish 2	1	9	10	11	12
533	Spanish 3	1		10	11	12
534	Spanish 4C	1			11	12
535	AP Spanish Language	1			11	12
541	Italian 1	1	9	10	11	12
542	Italian 2	1	9	10	11	12
543	Italian 3	1		10	11	12
544	Italian 4C	1			11	12
545	AP Italian Language and Culture	1			11	12
599	Independent Study for Foreign Language	1/4-1		10	11	12

COURSE DESCRIPTIONS

ART

161 ART 1

Prerequisite: None
Credit: 1 unit

The purpose of this course is to enable the student to comprehend and use the basic elements and principles of design in the work they create. The course aims to stimulate the imagination as well as to encourage the potential expressive ability in each pupil through the development of discrimination in choice and use of visual art elements. The content of the course includes the theories of art and the development of skills by active participation in drawing, sketching, lettering, designing, painting, printmaking and sculpting.

162 ART 2

Prerequisite: Art 1 or Drawing 1 & 2
Credit: 1 unit

This course further develops the general aims of Art 1 and continues the study of the elements and principles of design with more advanced techniques in drawing, painting, lettering, printmaking and sculpting.

163 ART 3

Prerequisite: Art 2
Credit: 1 unit

This course provides an opportunity for pupils who have special ability and interest in art to elect a third year of study. Course content will consist of the more advanced use of various media such as: pastel, charcoal, watercolor, acrylics, oils, air brush and clay. These will be used in the study of figure drawing, compositional design, illustration, mixed media, advanced perspective drawing, sculpting and painting.

164 ART 4C

Prerequisite: Art 3
Credit: 1 unit

Level C will challenge students of outstanding ability to continue their creative ability and to develop additional skills with emphasis on individual effort. The students will work in areas of concentration in drawing, 2-D and 3-D design. Each student is expected to prepare a portfolio and/or a one person art show. A grade of "B" is recommended in Art 3 before electing this course.

165 CRAFTS 1

Prerequisite: None
Credit: 1 unit

This course exposes students to various craft media, instructs them in principles of craft design, and provides them with practical experience through prescribed activities. These include printmaking crafts such as stenciling or block printing; fabric crafts such as Batik, stitchery and weaving; ceramics/clay production; paper crafts such as decoupage and papier mache; wood crafts; and miscellaneous crafts such as glass etching or painting on rocks.

166 CRAFTS 2

Prerequisite: Crafts 1
Credit: 1 unit

Further development of craft skills is the aim of this course, which is designed for students who desire advanced work in particular handicraft activities of special interest to them. It is recommended a grade of C or better be achieved in Crafts 1 before electing this course.

167 PHOTOGRAPHY 1 (Semester Course)

Prerequisite: Grades 11, 12
Credit: 1/2 unit

In this course students learn the essentials of photography through laboratory practice and field experience. Major topics include the construction and operation of the camera, basic darkroom methods, negative development, enlarging, and photo-finishing. Specific assignments in composition, lighting, selective focus, use of corrective procedures is followed by student application and photoanalysis. Each student should have access to a camera with an adjustable lens.

168 PHOTOGRAPHY 2 (Semester Course)**Prerequisite: Photography 1
Grades 11, 12
Credit: 1 unit**

This is an advanced course designed to give the student thorough experience in working with cameras. It includes exposure and understanding of a wide variety of photographic problems such as lighting, composition and darkroom methods. Each assignment is followed by student application and photo analysis. Each student should have access to a camera with an adjustable lens.

169 ART 5C**Prerequisite: Art 4C
Credit: 1 unit**

Level C will challenge students of outstanding ability. Students will work in drawing and in areas of concentration. Each student is expected to prepare a portfolio and/or to present a one student art show. A grade of "B" is recommended in Art 4C before electing this course.

171 ART HISTORY (Semester Course)**Prerequisite: None
Credit: 1/2 unit**

This course is designed for students who wish to study in depth the art of a particular period or culture, such as Ancient, Renaissance, Baroque, and Modern Art.

**172 CULTURAL ARTS AND HISTORY
(Maloney Only)****Prerequisite: Grades 11 and 12
Credit: 1 unit**

This course is designed for students with an interest in the history and arts of Native America, Africa, Australia, Latin America (including Puerto Rico, Mexico, Central America and South America). The emphasis will be on the arts of these cultures with a study of the beliefs and history of the people. Some of the projects will include beading, dream catchers, mask making, dot paintings, gourd carving and nierikas (string art).

**175 CARTOONING & ANIMATION
(Semester Course)****Prerequisite: None
Credit: 1/2 unit**

Through historical study, investigation, and application, the student will learn the elements of comic strip art, political cartooning, fantasy illustration, and animation.

177 DESIGN 1 (Semester Course)**Prerequisite: None
Credit: 1/2 unit**

This advanced art course will focus on the development of two-dimensional (2-D) design skills with an emphasis on the principles of Design. This course is intended to engage students in decision-making about how to use the elements and principles of art in a unified presentation. Various techniques and art mediums will be explored.

178 DESIGN 2 (Semester Course)**Prerequisite: Design 1
Credit: 1/2 unit**

This course will focus on further development of two-dimensional (2-D) design issues with an emphasis on the principles of contrast, repetition, alignment, and proximity. Students will use the knowledge of elements and principles of design studied in Design 1 to create a variety of documents, such as posters, CD covers, logos, etc. Various techniques and art mediums, including the computer and the related software, are explored in the execution of design problems and their solutions.

179 DRAWING 1 (Semester Course)**Prerequisite: None
Credit: 1/2 unit**

The first semester of this two-semester sequential course includes instruction in tonal drawings using pencil and pen, sketching techniques including keeping a sketchbook, basic perspective, figure drawing, and landscape drawing. Additionally, the student will explore the various elements and principles to design to be used in his/her artwork.

181 DRAWING 2 (Semester Course)**Prerequisite: Drawing 1
Credit: 1/2 unit**

The second semester of drawing continues to build upon the first and includes advanced composition, figure drawing and perspective, and color drawing. The student who successfully completes Drawing 2 with a grade of B or higher may elect to waive Art 1 and select Art 2.

**185 PUPPETRY & MARIONETTES
(Semester Course)****Prerequisite: None
Credit: 1/2 unit**

This course provides practical experience in puppet and marionette construction and focuses on stage craft, script writing, recording and actual production presentation as well.

186 STAGE ART**Prerequisite: 1 credit of Art
Credit: 1 unit**

This course is designed especially for students interested in the technical aspect of producing stage productions. The course introduces the basic elements of scene design, model building, construction, lighting, costume, and make-up in a workshop atmosphere.

197 STUDIO ART AP**Prerequisite: By recommendation of
department chairperson
Credit: 1 unit**

This course is intended for highly motivated art students to do college-level art work. It is required that a student have a grade of "B" in ART 3 or ART 4C before electing this course. The program will offer two portfolio studies: Drawing and 2-D Design. Each portfolio contains three rigorous and required sections, emphasizing quality, concentration and breadth. Candidates will prepare their portfolios through organized instruction. Portfolios will be submitted in early May for review by AP faculty consultants appointed by the National AP Studio Art Program.

198 STUDENT INTERN IN ART**Prerequisite: By recommendation of
department chairperson
Credit: 1/2 - 1 unit**

A student recommended for this course will be assigned to one of the art classes and will be under the supervision of the teacher. The student intern will work with individual students who need extra help and will assist the classroom teacher with larger scale activities. The intern will also work on an individual project or portfolio. Student interns will gain practical insight as to what a career as an art teacher would be like.

199 INDEPENDENT STUDY IN ART**Prerequisite: Grades 10, 11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

BUSINESS

601 GENERAL BUSINESS**Prerequisite: None
Credit: 1 unit**

In this course, students will study business activities that are of concern to everyone. The major emphasis of this course is on the survival skills that all people need to be informed citizens and consumers making intelligent, everyday decisions. Study topics include money management, investing, banking, insurance, credit, career opportunities, basic economics and consumerism. Computerized and Internet activities, as well as simulations, will be utilized.

605 BUSINESS MANAGEMENT **Prerequisite: None**
(Middlesex Community College Credit Available) **Credit: 1 unit**

This course is intended to serve all students, particularly the college-bound planning on majoring in business. Students will receive an introduction to management concepts, theory, and practice. They will also study recognizing a business opportunity, starting a business based on the recognized opportunity, and operating and maintaining that business. The course focuses on the various functional areas of business (e.g., accounting, finance, marketing, and management) and the environments (e.g., legal and economic) as they apply to the individual starting his/her own business.

607 PERSONAL FINANCE AND BANKING **Prerequisite: None**
Credit: 1 unit

Students in Finance and Banking will learn how to plan their own personal finances. Students will use a personal financial planning process, apply their financial planning process, and start taking control of their finances. Students will also set money management goals, develop a personal spending and savings plan, track their income and spending, comprehend the impact of investments, and understand the cost of using credit. Students will participate in simulations, interactive activities, and a Stock Market game.

608 FINANCING AND BANKING INTERNSHIP **Prerequisite: Personal Finance**
(Maloney Only) **and Banking (Teacher Recommendation)**
Credit: 1 unit

As part of this course, students will work in the Meriden Schools Federal Credit Union. Students will assist in everyday transactions, such as: depositing money into checking and savings accounts, cashing checks, giving balances, opening new accounts, and making withdrawals for customers. Students will be required to research personal financial situations such as: aspects of personal financial decisions; income related to different jobs and careers; spending and savings plans; various forms of investments; credit uses, cost and legalities; and insurance uses and protection.

611 KEYBOARDING/WORD PROCESSING **Prerequisite: None**
(Middlesex Community College Credit Available) **Credit: 1 unit**

The keyboarding/word processing course is designed to facilitate the mastery of the keyboard by touch utilizing correct techniques. This skill is a basic requirement of nearly every occupation and lends itself to lifetime personal use. Students will be provided "hands-on" experience in the creation, editing and output of all types of documents on a software word processing system. Access to the Internet will be provided for classroom projects.

619 RECORDKEEPING **Prerequisite: None**
Credit: 1 unit

Any student wishing to enter the work force after graduation should consider this course as essential for survival in the "real" world. Basic forms of business record keeping including computerized procedures for processing payroll, sales, inventory and other business transactions will be introduced. In addition, students will have the opportunity to practice recordkeeping for personal use including checking accounts, bank reconciliations, preparation of income tax forms and budgeting.

621 ACCOUNTING 1 **Prerequisite: None**
Credit: 1 unit

Accounting 1 is a background course for students who intend to major in business. It may be an elective for others, whether they use the information for personal recordkeeping, for understanding the language of business or for preparation for advanced study. Accounting helps the pupil to understand business practices and transactions and maintain proper records involved in day-to-day business activities.

622 ACCOUNTING 2 **Prerequisite: Accounting 1**
(Middlesex Community College Credit Available) **Credit: 1 unit**
This intermediate course is specifically vocational and career oriented. It is recommended for the student who has as his/her objectives (a) a career in accounting, (b) further study of accounting at the college level, (c) college study in the area of marketing, business management, business administration, or (d) owning and managing a business.

642 YOUTH, LAW AND BUSINESS **Prerequisite: None**
(Semester Course) **Credit: 1/2 unit**
This course stresses the law and its effect on an individual as a minor and as an adult. The study of law as it relates to individuals as citizens, consumers and business world participants is included. Field trips, mock trials and the use of audio visual aids will be used in exploring various legal areas.

644 COMPUTER APPLICATIONS 1 **Prerequisite: None**
(Middlesex Community College Credit Available) (Course 611 highly recommended) **Credit: 1/2 unit**
(Semester Course)
Students will be introduced to an integrated software package that will focus on word processing and presentation components and integrated projects. Any student planning to attend college or enter directly into the work force will benefit from this course. Simulated applications will be used to supplement textbook exercises. Access to the Internet will be provided for classroom projects.

645 COMPUTER APPLICATIONS 2 **Prerequisite: None**
(Middlesex Community College Credit Available) (Course 611 highly recommended) **Credit: 1/2 unit**
(Semester Course)
Students will be introduced to an integrated software package that will focus on spreadsheet and database components, and integrated projects. Any student planning to attend college or enter directly into the work force will benefit from this course. Simulated applications will be used to supplement textbook exercises. Access to the Internet will be provided for classroom projects.

646 COLLEGE PREP SKILLS **Prerequisite: Grade 12**
Credit: 1 unit
This is a comprehensive course for the serious college-bound senior. Among the topics to be covered are basic keyboarding skills, college and career exploration, the college application process, Internet research, personal finance, communication skills and campus life.

664 STUDENT INTERN IN BUSINESS **Prerequisite: By recommendation**
Credit: 1/2 or 1 unit
Students electing this course may select from several opportunities available in the Business Department to apply their business training and to enhance their understanding of business-related concepts. These opportunities include working with individual students in the computer lab under the supervision of a teacher or assisting a department chairperson by performing business office tasks. Students must possess a strong academic background in the area in which they choose to intern. Note: The recommendation of the supervisory teacher and the approval of the department chairperson must be obtained before a student may enroll in this course.

688 ADVANCED COMPUTER APPLICATIONS 1 **Prerequisite: None**
(Middlesex Community College Credit Available) **Credit: 1/2 unit**
This honors level course covers the concepts learned in Computer Applications 1 as well as advanced concepts such as mail merge and macros in MS Word and inserting video and sound clips in MS PowerPoint. This class will cover the necessary material required to pass certification exams such as the Microsoft Office CORE.

689 ADVANCED COMPUTER APPLICATIONS 2 **Prerequisite: None**
(Middlesex Community College Credit Available) **Credit: 1/2 unit**
This honors level course covers the concepts learned in Computer Applications 2 as well as advanced concepts such as charts, logical functions, Pivot Charts, and Pivot Tables in MS Excel and queries and reporting in MS Access. This class will cover the necessary material required to pass certification exams such as the Microsoft Office CORE.

699 INDEPENDENT STUDY FOR BUSINESS **Prerequisite: Teacher Recommendation**
Credit: 1/4-1 unit
This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

ENGLISH

NINTH GRADE

All ninth grade Integrated Language Arts courses provide intensive developmental application of the mechanics of reading, writing, listening, viewing and speaking skills.

001 LEVEL AA **Prerequisite: By recommendation**
Credit: 1 unit
Level AA will improve the students' practical abilities to communicate in the five areas listed above.

002 LEVEL A **Prerequisite: None**
Credit: 1 unit
Level A will emphasize expository and narrative composition and comparative reading in the major literary types such as short stories, novels, plays, poetry and mythology.

003 LEVEL B **Prerequisite: None**
Credit: 1 unit
Level B will emphasize in more depth expository and narrative composition and comparative reading in the major literary types such as short stories, novels, plays, poetry and mythology.

004 LEVEL C **Prerequisite: None**
Credit: 1 unit
Level C provides accelerated students with opportunities to read more widely and write more extensively than the A/B level.

TENTH GRADE

All tenth grade Integrated Language Arts courses provide intensive application of reading comprehension skills, writing with stress on sentence structure, listening, viewing and speaking. A wide range of reading will include short stories, novels, poems of varied types, plays and periodicals. A sophomore essay will be written at all levels.

011 LEVEL AA **Prerequisite: By recommendation**
Credit: 1 unit
Level AA will deal with a very fundamental level of the five language skills mentioned above.

012 LEVEL A **Prerequisite: None**
Credit: 1 unit
Level A will develop a more sophisticated command of the five language skills mentioned above.

013 LEVEL B **Prerequisite: None**
Credit: 1 unit
Level B will develop in more depth a more sophisticated command of reading, writing, listening, viewing and speaking skills.

014 LEVEL C**Prerequisite: None**
Credit: 1 unit

Level C accelerated students will read more widely than the other levels and will write extensively in the narrative, expository and descriptive composition areas.

ELEVENTH GRADE

All eleventh grade Integrated Language Arts courses include reading, writing, discussion and viewing activities centered on American writers. A junior essay will be written at all levels.

021 LEVEL AA**Prerequisite: By recommendation**
Credit: 1 unit

Level AA will focus on the basics of practical writing about selected major American writers.

022 LEVEL A**Prerequisite: None**
Credit: 1 unit

Level A will emphasize composition and research within the framework of a survey of American literature as it relates to American history and cultural development.

023 LEVEL B**Prerequisite: None**
Credit: 1 unit

Level B will emphasize composition and research in more depth within the framework of a survey of American literature as it relates to American history and cultural development.

024 LEVEL C**Prerequisite: None**
Credit: 1 unit

Level C will challenge students of outstanding ability to read at an accelerated pace and in more depth and to write expository, persuasive, and creative compositions.

TWELFTH GRADE

All twelfth grade Integrated Language Arts courses will include reading, writing, discussion, viewing and researching of selections from British literature and from other selected modern writers. A senior essay will be written at all levels.

031 LEVEL AA**Prerequisite: By recommendation**
Credit: 1 unit

Level AA will stress narrative, descriptive and critical writing about the literary selections read and reviewed.

032 LEVEL A**Prerequisite: None**
Credit: 1 unit

Level A will emphasize critical composition within the framework of British literature as it relates to history and cultural development.

033 LEVEL B**Prerequisite: None**
Credit: 1 unit

Level B will emphasize critical composition within the framework of British literature as it relates to history and to cultural development.

034 LEVEL C**Prerequisite: None**
Credit: 1 unit

This course is designed for students who have demonstrated superior work in English. The class focuses on close reading and sophisticated analysis of a variety of texts and genres.

036 AP ENGLISH LITERATURE AND COMPOSITION**Prerequisite: None**
Credit: 1 unit

The Advanced Placement English class is designed for students who have demonstrated superior work in English classes. This class focuses on close reading and sophisticated analysis of a variety of texts and genres. As the class focuses on college level reading, writing, and thinking skills, the amount of both reading and writing is extensive and work proceeds at a rapid pace. Students who enroll in this class are expected to take the AP English Literature and Composition Exam.

040 CREATIVE WRITING/JOURNALISM**Prerequisite: None**
Credit: 1 unit

This course, open to tenth, eleventh, and twelfth graders, will further the student's ability to report and write the news for the school newspaper and for local papers. Emphasis will be placed upon interviewing techniques, organization of facts, and writing feature articles. Newspaper production work will be included. Students will also have opportunities to write short stories, poetry, and one act plays for the literary magazine. It is recommended that a grade of B in English be achieved before electing this course.

042 FILMS**Prerequisite: None**
Credit: 1 unit

This course, open to all juniors and seniors, will feature group discussion and written criticism of films viewed by the class as well as specialized analysis of current movies and television films. Classic films will be viewed by the whole class. Students may become involved in script writing and in some film production.

045 MODERN FICTION AND POETRY**Prerequisite: None**
Credit: 1 unit

This course will introduce juniors and seniors to many of the best twentieth century writers of short stories, novels, and poetry. Emphasis will be upon discussion of ideas and of humanistic values rather than upon lengthy written analysis. Great novels will be presented by individuals or by panels of students. Those who write poetry will be encouraged to present their efforts to the class. It is recommended that a grade of B in English be achieved before electing this course.

049 DRAMATICS**Prerequisite: None**
Credit: 1 unit

This elective, open to all sophomores, juniors, and seniors, will consist of units on body movement, voice, pantomime, acting of scenes, and introduction to the major periods in theatre history: the Greeks, the Middle Ages, the Renaissance and contemporary. Attention will be given to staging, costumes, and the commercial functions of a play. Some experience in directing may be included.

059 PUBLIC SPEAKING
(Tech Prep College Credit Available)**Prerequisite: None**
Credit: 1 unit

This course offers students the opportunity to develop and improve speaking and writing skills. The focus will be on extemporaneous and persuasive speeches, team debates on current issues, and the interview process. Students will review and evaluate famous speeches, and prepare individual speeches for presentation. Students with little or no experience in public speaking are invited to enroll.

062 STUDY SKILLS
(Maloney Only)**Prerequisite: By recommendation**
Credit: 1/2 unit

This is a comprehensive program approach to learning the academic skills necessary for success in an educational setting. Among the topics covered will be reading, listening, note-taking and outlining skills, vocabulary development, preparation for examinations, organization of a paper, and time management.

**065 ENGLISH AND MATHEMATICS
SAT SKILLS (FALL)**

**Prerequisite: None
Credit: 1/4-1/2 (P/F or with grade)**

This course may be elected by juniors and seniors who plan to take SAT examinations in the fall. Emphasis will be placed on the development of verbal and quantitative skills and upon familiarizing students with the format of the SATs. The course, taught by members of the Departments of English and Mathematics, will include simulated testing situations. The one-quarter credit is only for seniors who take the course for the first eight weeks.

**066 ENGLISH AND MATHEMATICS
SAT SKILLS (SPRING)**

**Prerequisite: None
Credit: 1/2 (P/F or with grade)**

This course may be elected by juniors and seniors who plan to take SAT examinations in the spring. Emphasis will be placed on the development of verbal and quantitative skills and upon familiarizing students with the format of the SATs. The course, taught by members of the Departments of English and Mathematics, will include simulated testing situations.

**070 ALTERNATIVE ENGLISH 1
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course is intended for non-English speaking students and should be taken in sequence. Emphasis will be placed upon, but not limited to, spoken language arts.

**072 ALTERNATIVE ENGLISH 2
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course is intended for non-English speaking students and should be taken in sequence. Emphasis will be placed upon, but not limited to, reading.

**074 ALTERNATIVE ENGLISH 3
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course is intended for non-English speaking students and should be taken in sequence. Emphasis will be placed upon, but not limited to, writing.

**076 ALTERNATIVE ENGLISH 4
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course is intended for non-English speaking students and should be taken in sequence. Emphasis will be placed upon, but not limited to, literature.

**078 TRANSITIONAL ENGLISH 1
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course is intended for students who at one time were non-English speaking. Emphasis will be on spelling, punctuation, capitalization and sentence formation. This is a supplemental English course that can be taken as an elective.

**080 TRANSITIONAL ENGLISH 2
(Maloney Only)**

**Prerequisite: By recommendation
Credit: 1 unit**

This course will review all the areas covered in Transitional English 1. It will then emphasize different types of sentences, paragraphing, oral and written composition. This is a supplemental English course that can be taken as an elective.

099 INDEPENDENT STUDY FOR ENGLISH

**Prerequisite: Grades 10,11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

FAMILY AND CONSUMER SCIENCE

701 CHILD DEVELOPMENT 1

Prerequisite: None
Credit: 1 unit

Child Development is a course designed to increase student understanding of children's development and behavior from age one through school age. Students will examine the influence of parents, other adults, and the environment on the various areas of development such as physical, emotional, social, moral, and intellectual development. Students will organize and participate in a preschool program.

703 INTRODUCTORY FOODS

Prerequisite: None
Credit: 1 unit

This introductory course in food preparation involves laboratory experiences, discussions, and written work. Areas of study include food preparation, safe and sanitary work practices, meal planning and nutrition.

705 ADVANCED FOODS

Prerequisite: Introductory Foods
Credit: 1 unit

This course includes the advanced study of food preparation, meal planning and service, and food preparation equipment. Students will be exposed to a variety of food-related career opportunities.

708 INTERIOR DESIGN

Prerequisite: None
Credit: 1 unit

This course is designed to allow students to study the principals of interior design. Special attention will be given to the use of textile arts in the home. Students will be given the opportunity to participate in a community service project and entrepreneurial endeavors.

709 TEXTILES AND APPAREL (Platt Only)

Prerequisite: None
Credit: 1 unit

The topics in this course include current fashion and wardrobe planning, making the most of your personal appearance and multicultural clothing traditions. Students will have the opportunity to express themselves through the construction and design of individual garments.

710 ADVANCED TEXTILES AND APPAREL (Platt Only)

Prerequisite: Textiles and Apparel
Credit: 1 unit

This course is designed to enhance clothing construction skills learned in Textile and Apparel with an emphasis on creating your own designs. Special attention will be given to current fashion designers, luxury fabrics, and computer sewing machine skills. It is an important course for students who may be considering a career in fashion.

713 HUMAN RELATIONS

Prerequisite: None
Credit: 1 unit

Issues concerning adolescents will be the main focus of this course. Students will explore the many types of relationships among people. Topics will include personal development, self-awareness, friendship, dating, marriage, family life, sexuality, stress, conflict management, decision-making, and responsibility. Current and contemporary issues and problems will be addressed throughout the course. The course is open to sophomores, juniors, and seniors.

714 FOODS OF THE WORLD

Prerequisite: Introductory Foods
Credit: 1/2 unit

This course allows students to explore foods and cultures around the world. Students will study the food customs and patterns in various regions and will prepare and taste foods native to those areas.

730 PARENTING**Prerequisite: None**
Credit: 1 unit

Parenting is available to all students, male and female. Instruction focuses on the roles and responsibilities of parenting, parenting skills, and infant care and development.

740 FOOD SERVICE**Prerequisite: Introductory Foods**
Credit: 1-2 units
(1-classroom instruction) (1-fieldsite experience)

This course is designed to meet the needs of students who are considering a career in Food Service. Students will participate in a variety of food service experiences including the preparation of food for others, catering special events, working in an in-school program, serving food to the public, demonstrations, and field trips. Through these experiences, students will learn the types of food service operations, safety, sanitation, menu planning, and the preparation of a variety of foods using basic food service equipment.

Opportunities are provided, under the supervision of the teacher-coordinator, for students to combine classroom instruction with actual work experience through in-school and local food service programs. Students must meet minimum hours as established by district and state guidelines to earn up to 1 credit for field site experience. The recommendation of the counselor and teacher-coordinator is necessary for acceptance into the program.

750 CHILD DEVELOPMENT 2
(Middlesex Community College Credit Available)**Prerequisite: Child**
Development
Credit: 1-2 units
(1-classroom instruction) (1/4-1-fieldsite instruction)

This course is a continuation of Child Development. It is designed to meet the needs of students who are planning a career in child care, as well as those who are interested in further study of early childhood. Opportunities are provided, under the supervision of the teacher-coordinator, for students to combine classroom instruction with actual work experience, through in-school and local early childhood programs. Students must meet minimum hours as established by district and state guidelines to earn up to 1 credit in field site experience. The recommendation of the counselor and teacher-coordinator is necessary for acceptance into the program. Students completing the two year sequence in Child Development may be required to take a state test in this area.

760 FAMILY AND CONSUMER
SCIENCE INTERNSHIP**Prerequisite: By recommendation**
Credit: 1/2 or 1 unit

Students electing this course may select from several opportunities available in the Family and Consumer Science Department to apply their training in the field and to enhance their understanding of family and consumer science-related concepts. These opportunities include working in the kitchen, preschool, or clothing lab under the supervision of a teacher or assisting a teacher. Students must possess a strong academic background in the area in which they choose to intern. Note: The recommendation of the supervising teacher and the approval of the department chairperson must be obtained before a student may enroll in this course.

788 INTRODUCTION TO INDIVIDUAL AND
FAMILY DEVELOPMENT C (UCONN ECE HDFS 1070)**Prerequisite: Grades 11, 12**
by recommendation
Credit: 1 unit

This college level, honors course is designed as an introduction to the field of Human Development and Family Studies. The course will provide students with an understanding of individual and family development over the life span. In particular, the course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time. The course will also include required field work. Upon successful completion, college credit may be earned from the University of Connecticut. (This course is a required course at UCONN for all education, nursing, and family studies majors and counts as a general education requirement. Credits can be transferred to other colleges.)

**799 INDEPENDENT STUDY IN
FAMILY AND CONSUMER SCIENCE**

**Prerequisite: Grades 10,11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

HEALTH EDUCATION

911 HEALTH EDUCATION

**Prerequisite: None
Credit: 1/2 unit**

Health Education is a required ninth grade course designed to teach the principles of growth and development based on the student's fundamental health needs. Topics include self-awareness education, substance abuse, diseases including sexually transmitted diseases, human sexuality, nutrition, and fitness.

**915 CHANGING PERSON
(Semester Course)**

**Prerequisite: None
Credit: 1/2 unit**

This course is designed to assist the individual in decision-making and overall adolescent adjustment. Topics discussed are personal awareness and communication development, suicide, death and dying, substance abuse and human sexuality.

**921 FIRST AID
(Semester Course)**

**Prerequisite: None
Credit: 1/2 unit**

Through this elective course, students will learn how to recognize and act in emergency situations. Students will learn how to care for heart attacks, burns, spinal injuries, sudden illnesses, as well as muscular skeletal injuries. Upon successful completion of the Red Cross requirements, students will receive certification in CPR, First Aid, and Automated External Defibrillation.

958 HEALTH EDUCATION INTERNSHIP

**Prerequisite: None
Credit: 1/2-1 unit**

This course is offered to those students who are interested in the area of health. Students will assist the instructor in the health education classes by working with small groups of students, tutoring, giving individualized tests, preparing individualized student packets. An independent project will also be required. Students may elect this course for a half year or a full year and it may only be taken once. Course must be approved by the department chairperson.

MATHEMATICS

201 MATH 1

**Prerequisite: By recommendation
Credit: 1 unit**

Students who need remedial work in arithmetic will be assigned to this class. Topics covered include: addition, subtraction, multiplication and division of whole numbers, fractions and decimals, practical applications of percents, proportions, and ratios.

229 ALGEBRA 1A

**Prerequisite: None
Credit: 1 unit**

This regular course in first year algebra covers the following: graphs, equations, formulas, data analysis and problems. The structure of algebra as well as functional relationships and deductive reasoning are emphasized.

230 ALGEBRA 1B

**Prerequisite: None
Credit: 1 unit**

This regular course in first year algebra covers the following: graphs, equations, formulas, data analysis and problems. The structure of algebra as well as functional relationships and deductive reasoning are emphasized.

231 ALGEBRA 1C**Prerequisite: None**
Credit: 1 unit

This is an honors course designed especially for those students who have high ability in math and who may wish to continue their high school work in mathematics through calculus. More advanced topics are covered than in Algebra 1B and the work proceeds at a faster rate. It is recommended that students electing this course achieve grades of "A" or "B" in above grade middle school math classes.

232 ALGEBRA 2A**Prerequisite: Geometry**
Credit: 1 unit

This course is an introduction to functions, systems of linear equations and inequalities, operations with polynomials including factoring, quadratic equations, series and sequences, and matrices.

233 ALGEBRA 2B**Prerequisite: Algebra 1 and Geometry**
Credit: 1 unit**(Middlesex Community College Credit Available)**

This course includes a brief review of the fundamentals of Algebra 1B and detailed study of the complex number system, algebraic and exponential functions, systems of open sentences, real exponents, conic sections, sequences and series, and problem-solving. Prerequisites for this course are Algebra 1B or 1C or Algebra, Part 2. A geometry course must be taken prior to, or concurrently with this course, or the student must have a teacher recommendation.

234 ALGEBRA 2C**Prerequisites: Algebra 1 or Geometry**
Credit: 1 unit**(Middlesex Community College Credit Available)**

This is an honors course designed especially for those students who intend to continue their high school work in mathematics through calculus. More advanced topics are covered than in Algebra 2B and the work proceeds at a faster rate. It is highly recommended that students electing this course achieve grades of "A" or "B" in both prerequisites.

238 ALGEBRA 3 AND INTRODUCTION TO TRIGONOMETRY**Prerequisite: Algebra 2**
or by recommendation
Credit: 1 unit

This course is designed to introduce advanced mathematical concepts to college bound students. The course content will include, but not be limited to: factoring, functions, and their graphs, complex numbers, logarithms, the unit circle, right triangle trigonometry, trigonometric identities and solving trigonometric equations.

241 GEOMETRY A**Prerequisite: 1 Year of Algebra**
Credit: 1 unit

This general course stresses applications in geometry without involving the rigor encountered in the academic course entitled Geometry B. Note that this course may not be used as a prerequisite for Algebra 2C or for the trigonometry courses listed.

242 GEOMETRY B**Prerequisite: Algebra 1**
Credit: 1 unit

The primary aims of this course are to develop logical thinking through the use of deductive and inductive reasoning, to apply properties of transformational geometry to make conclusions, to use these methods of reasoning in solving geometric problems, and to study the properties of plane and solid figures used in engineering, construction, and advanced mathematics.

243 GEOMETRY C**Prerequisite: Algebra 1**
Credit: 1 unit

This course is designed for those students who intend to continue their high school work in mathematics through calculus. More advanced topics are covered than in Geometry B and work proceeds at a faster rate. It is highly recommended that students achieve a grade of "A" or "B" in Algebra 1B before electing this course.

244 STATISTICS B**Prerequisite: Algebra 2B****Credit: 1 unit**

This is a course which introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

*****245 AP STATISTICS (UCONN ECE)****Prerequisite: Algebra 2B or 2C****Credit: 1 unit**

A college level, honors course which introduces students to the major concepts and tools of collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes. (1) Exploring data; (2) Planning a statistical study; (3) Anticipating patterns in advance; (4) Statistical Inference. Upon successful completion, college credit may be earned from the University of Connecticut. It is highly recommended that students electing this course achieve grades of B or better in prerequisites.

250 TRIGONOMETRY & ANALYTIC GEOMETRY B**Prerequisite: Geometry B or C and Algebra 2B or 2C****Credit: 1 unit**

The first part of the course deals with a study of the trigonometric functions as applied to angles and real numbers. It includes work on the right and oblique triangles, logarithmic computations, inverse functions, identities, complex numbers, and vectors. The second part of the course consists of a study of the fundamentals of analytic geometry. By means of Cartesian and polar coordinate systems, the basic principles of both algebra and geometry are combined and applied to the solution of problems.

251 PRE-CALCULUS C**Prerequisites: Geometry B or C****(Middlesex Community College Credit Available)****and Algebra 2B or 2C****Credit: 1 unit**

This is an honors course which is broader in scope and covers more advanced work than the corresponding course in Trigonometry and Analytic Geometry B. Designed to give the student intensified experience working with elementary functions, it includes work on the real and complex number systems, trigonometric analysis, inverse and exponential functions, conics, polar coordinates, vectors, sequence and limit, and the theory of equations. Computer-related assignments may be given. Students planning to take Calculus C in Grade 12 should elect this course. It is highly recommended that students electing this course achieve grades of "A" or "B" in all prerequisites.

252 ELEMENTS OF FINITE MATHEMATICS AND CALCULUS B**Prerequisite: A Trigonometry course must be taken prior to, or****(Middlesex Community College Credit Available) concurrently with, this course****Credit: 1 unit**

This course is designed to meet the needs of two groups of students. First, it gives to students who plan careers in math, computer science, medicine, engineering, or science some background for a more formal, theoretical study of calculus. Second it gives to students planning careers in business, economics, and related fields the mathematical tools that they need to effectively solve problems in those areas. Included in the course are topics from algebra, linear algebra, linear programming, and integral and differential calculus. Selected applications from the fields of business and economics will be chosen to illustrate the mathematical concepts that are covered.

253 AP CALCULUS AB (UCONN/ECE)
(Middlesex Community College Credit Available)

Prerequisite: Pre-Calculus
Credit: 1 unit

This is a course for students with high level aptitude and interest in mathematics. It is recommended for students who intend to major in mathematics related subjects in college. Since calculus deals with the mathematics of change and motion, new processes of reason and calculation are developed. A comprehensive knowledge of algebra, trigonometry, and geometry is a necessity for success in calculus. Therefore, it is recommended that a student achieve a minimum grade of "B" in the prerequisite before electing the course. Graphing calculator technology is required. Upon successful completion, college credit may be earned from the University of Connecticut. Also, this course will prepare students for the Advanced Placement AB calculus exam.

254 COMPUTER PROGRAMMING, PART 1B
(Semester Course)

Prerequisite: Algebra 1
Credit: 1/2 unit fall semester

This course is designed for college level students who have taken at least one year of algebra. This course covers the history of the computer technology field, computers and how they operate, theory of computer programming, the computer industry and computer programming using VISUAL BASIC.

255 COMPUTER PROGRAMMING, PART 1C
(Semester Course)

Prerequisite: Algebra 1
Credit: 1/2 unit fall semester

This course is designed for advanced college level honor students who have taken at least one year of algebra. This course covers the history of the computer technology field, computers and how they operate, theory of computer programming, the computer industry and advanced computer programming using VISUAL BASIC. This course is oriented towards advanced students who are contemplating a career in mathematics or computer science.

256 COMPUTER PROGRAMMING, PART 2B
(Semester Course)

Prerequisite: Computer Programming, Part 1B
Credit: 1/2 unit spring semester

This course is a continuation of Computer Programming, Part 1B. It will cover more advanced topics in Computer Programming stressing scientific, mathematics, Internet and business applications.

257 COMPUTER PROGRAMMING
PART 2C
(Semester Course)

Prerequisite: Computer Programming, Part 1C
Credit: 1/2 unit spring semester

This course is a continuation of Computer Programming, Part 1C. It will cover more advanced topics in computer programming stressing scientific, mathematics, Internet and business applications. This honors course will contain more advanced topics than Computer Programming, Part 2B including file processing. Students planning to take Advanced Computer Programming should select this course.

259 AP COMPUTER SCIENCE AB

Prerequisite: Computer Programming 1C,
Advanced Computer Programming 2C,
or Algebra 2C
Credit: 1 unit

This course is designed for advanced students who have taken one year of honors programming in VISUAL BASIC. It will provide students with experience in the advanced language of JAVA.

*****263 AP CALCULUS BC (UCONN/ECE)****Prerequisite: Pre-Calculus C****Credit: 1 unit**

This is a course for students with high level aptitude and interest in mathematics. It is recommended especially for students who intend to major in mathematics, science, or engineering in college. Since calculus deals with the mathematics of change and motion, new processes of reason and calculation are developed. A comprehensive knowledge of algebra, trigonometry, and geometry is a necessity for success in calculus. Therefore, it is recommended that a student achieve a minimum grade of "B" in the prerequisite before electing the course. Graphing calculator technology is required. This course will prepare students for the Advanced Placement BC calculus exam.

264 STUDENT INTERN IN MATHEMATICS**Prerequisite: 1 year of Math****Credit: 1 unit or 1/2 unit**

Students electing this course will work in any mathematics classes in which the student has expertise or in the math lab under the supervision of a teacher. The student will work with other individual students who are having difficulty with mathematics or assist the teacher with larger groups. They will gain experience in working closely with an adult and in teaching. This course will give them a practical on-the-job idea of what education as a career would be like. Note: *The recommendation of a math teacher and the approval of the department chairperson must be obtained before a student is enrolled in this course.*

**267 STUDENT INTERNSHIP IN
COMPUTER SCIENCE****Prerequisite: 1 Year of Computer
Programming/By Recommendation****Credit: 1/2 unit or 1 unit**

Students electing this course will work in a computer programming class in which the student has expertise under the supervision of a teacher. Students will work with other individual students who are having difficulty with computer science or assist the teacher. They will gain experience in working closely with an adult and in teaching. This course will give them a practical on-the-job idea of what education as a career would be like. Note: *The recommendation of a math teacher and the approval of the department chairperson must be obtained before a student is enrolled in this course.*

270 CAPT PREP**Credit: None**

Successful completion of course is an alternative means to meet the CAPT requirement for graduation. Students are assigned to this course.

**065 ENGLISH AND MATHEMATICS
STUDY SKILLS (FALL)****Prerequisite: None****Credit: 1/4-1/2 (P/F)**

This course may be elected by juniors and seniors who plan to take SAT examinations in the fall. Emphasis will be placed on the development of verbal and quantitative skills and upon familiarizing students with the format of the SATs. The course, taught by members of the Departments of English and/or Mathematics, will include simulated testing situations.

**066 ENGLISH AND MATHEMATICS
STUDY SKILLS (SPRING)****Prerequisite: None****Credit: 1/2 (P/F)**

This course may be elected by juniors and seniors who plan to take SAT examinations in the spring. Emphasis will be placed on the development of verbal and quantitative skills and upon familiarizing students with the format of the SATs. The course, taught by members of the Departments of English and/or Mathematics, will include simulated testing situations.

**298 INDEPENDENT STUDY IN
COMPUTER SCIENCE****Prerequisite: By recommendation of
department chairperson****Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office and the department chairperson.

299 INDEPENDENT STUDY FOR MATH

Prerequisite: None

Credit: 1/4-1 unit

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

MUSIC

101 COLORGUARD

Prerequisite: Recommendation from Teacher

Credit: 1/2 unit

This course is run in conjunction with the marching band. Colorguard is an athletic, dance-infused element of the marching band utilizing choreographed flag and body movements. Physical activity is involved in this course similar to that of a sport. The Colorguard performs with the band during fall evening rehearsals (on select evenings weekly), at football games, parades, and at competitions.

102 BAND

Prerequisite: See description

Credit: 1 unit

This course is the primary instrumental performing ensemble of the school. Students enrolled in Band comprise the marching band and concert bands. In order to participate in this course, students must be able to read music and play a band instrument. (If a student wishes to join the band but does not meet these criteria, they are encouraged to contact the director to discuss their options). Membership does entail some rehearsal and performance responsibilities outside of the school day. Students are encouraged to attend a school sponsored marching band camp prior to the start of the school year.

103 BAND C

Prerequisite: By recommendation

Credit: 1 unit

Students who enroll in BAND C will be engaged in a rigorous study of musical performance. With this class meeting along with the regular band during period 5, these students will first be held to the same requirements. In addition to these requirements, students will have to complete several project-based assessments each term.

106 MUSIC THEORY

Prerequisite: None

Credit: 1 unit

Elementary theory, fundamentals of harmony, and some emphasis on keyboard and ear training are included in this course.

108 CLASS GUITAR 1

Prerequisite: None

Credit: 1 unit

This course is designed to introduce students to the fundamentals of guitar playing. Various styles, techniques and repertoire are covered, with an emphasis on music reading. Students may use their own guitar, rent from a local music store, or use a school owned instrument.

110 CLASS GUITAR 2

Prerequisite: Class Guitar 1

Credit: 1 unit

This course is a continuation of Class Guitar 1, with emphasis upon improving technique, reading skills, performance and repertoire. With permission of the teacher, a student may be allowed to elect this course without having taken Class Guitar 1.

112 CLASS PIANO 1

Prerequisite: None

Credit: 1 unit

This course is designed to introduce students to the fundamentals of playing the piano. Basic theory, the reading of music notation, learning to play melodies and chord accompaniments are some of the areas in this class piano course.

114 CLASS PIANO 2**Prerequisite: Class Piano 1
Credit: 1 unit**

This course is a continuation of Class Piano 1. Piano technique is further developed. The basics of music theory and harmony are emphasized. A student may be recommended by the music teacher to take Class Piano 2 without having taken Piano 1.

115 ADVANCED PIANO**Prerequisite: Class Piano 2 and
teacher recommendation
Credit: 1 unit**

This course is a continuation of Class Piano 2.

116 JAZZ LAB**Prerequisite: None
Credit: 1/2 or 1 unit**

Students may elect to take this class as a half-year class for 1/2 credit or for a full year for a full credit. Literature, styles, performance practice, jazz theory, and improvisational skills will be studied through the performance and listening media. Election of this course does not guarantee membership in the jazz band, rather it provides a means of qualifying for membership upon approval of the teacher in charge.

118 JAZZ ENSEMBLE**Prerequisite: Audition only
Credit: 1/2 unit**

This course meets one to two nights a week in preparing a jazz repertoire for performances at school and public events. Students will incorporate techniques of jazz improvisation. Membership implies a responsibility for participation in public performances.

120 MUSIC AND THE THEATRE**Prerequisite: None
Credit: 1 unit**

This course is designed to develop interest in and awareness of the aspects of musical theatre. Students will study a variety of musicals as well as develop talents in the many facets of producing a major musical.

122 MUSIC SURVEY — EARLY TO CONTEMPORARY**Prerequisite: None
Credit: 1 unit**

This course is devoted to listening to and discussing recorded music from its early beginnings to the music of today. Various musical periods are presented along with the musical contributions of outstanding composers. Musical styles are emphasized.

123 MORNING CHOIR**Prerequisite: None
Credit: 1/2 unit**

This singing ensemble meets daily at 7:05 -7:30, prior to the start of the regular school day and is available for all interested students. Vocal production, singing in harmony, learning to follow octavo music and listening/response skills are stressed. Members will learn many different styles of choral music. As a soloist or a group singer there is a spot for you in this large group. Membership implies a responsibility for all school and public appearances.

124 CONCERT CHOIR**Prerequisite: None
Credit: 1 unit**

This singing ensemble is available for all interested students. Vocal production, singing in harmony, learning to follow octavo music and listening/response skills are stressed. Members will learn many different styles of choral music. As a soloist or a group singer there is a spot for you in this large group. Membership implies a responsibility for all school and public appearances.

**126 PENTANGLE PREPS
(Platt Only)****Prerequisite: Teacher Recommendation
Credit: 1 unit**

This course is limited to students who qualify and are recommended by their music teacher to sing in this training group of the Pentangle Players. Activities of the Pentangle Preps include singing, dancing, acting, and performing for live audiences.

**127 PENTANGLE PLAYERS
(Platt Only)**

**Prerequisite: Teacher Recommendation
Credit: 1 unit**

This class is more advanced than Pentangle Preps and is recommended for those students whose talents warrant it. Students must audition for this class each year.

**128 CANTABLES
(Maloney Only)**

**Prerequisite: Teacher recommendation and
be a member of Concert Choir
Credit: 1 unit**

Maloney's advanced Treble Ensemble. This course is for students who qualify through the audition process and are recommended by the teacher. This traveling ensemble will be prepared for public performances.

**129 ALLEGRETTOS
(Maloney Only)**

**Prerequisite: Teacher Recommendation and
member of Concert Choir
Credit: 1 unit**

Maloney's advanced Chamber Ensemble. This course is for students who qualify through the audition process and are recommended by the teacher. This traveling ensemble will be prepared for public performances.

**140 MUSIC TECHNOLOGY
(Maloney Only)**

**Prerequisite: Teacher Recommendation
Credit: 1 unit**

This class will focus on music production through modern technological processes. Students will engage in music composition and arrangement through computer-based notation and digital sequencing. Students will learn the proper methods of hard-disk recording, editing and mixing, as well as, the skills involved in audio production and post-production.

149 AP MUSIC THEORY

**Prerequisite: Teacher Recommendation*
Credit: 1 unit**

Students will develop a visual and aural understanding of musical structure and compositional procedures. Emphasis will be placed on: note reading, listening skills, melodic and harmonic dictation, and sight-singing. Students will practice theory analysis using various pieces of music literature.

* A thorough understanding of theory basics (including note reading and application), and participation in a school music ensemble is necessary to participate in this course.

160 STUDENT INTERNSHIP IN MUSIC

**Prerequisite: Teacher Recommendation
Credit: 1 unit**

A student recommended for this course will work in one of the music classes and be under the supervision of the teacher. The student will work with students who are beginners and will assist the teacher with larger groups. An independent project will also be required. The student will gain experience in working closely with an adult and in teaching. The course will give the student a practical idea of what music education as a career would be like.

182 INDEPENDENT STUDY IN MUSIC

**Prerequisite: By recommendation
Credit: 1/4 - 1 unit**

This program provides students with an opportunity to do a study in a field interest not readily available in the regular curriculum. A student desiring such a program should consult with the guidance office.

PHYSICAL EDUCATION

912/922/932 PHYSICAL EDUCATION

Prerequisite: None

Credit: 1/2 unit

The Physical Education Program for grades 9 and 10 will consist of prescribed co-educational courses. Emphasis in grade 9 is on skill development; the emphasis in grade 10 is on skill refinement and game strategies. The focus in grade 11 is lifetime recreational activities. Activities in all grades aim to develop endurance, coordination, team cooperation, and individual skills. Sports taught may include basketball, volleyball, soccer, softball, touch football, archery, tennis, golf, badminton, pickle ball, and body conditioning, among others.

In aquatic classes, which are also co-educational, grade 9 students will learn basic skills in either the beginning swim program or the fundamental swim program; grade 10 may receive instruction in basic rescue and water safety, advanced swimming, and/or in snorkeling and skin diving. Students in grade 10 may participate in conditioning and distance swimming activities, canoeing, kayaking, community water safety, and/or water sports and activities. Elective units may be offered depending on class characteristics.

918 WEIGHT TRAINING AND NUTRITION **Prerequisite: Teacher Recommendation**

Credit: 1/2 unit

Through this elective course, students will gain the knowledge to develop an individualized fitness program. Students will examine and implement various theories of resistance training. Students will also discuss nutritional information, dietary supplements, and their own dietary habits. This course is open to all students in grades 10, 11 & 12. This course may not be substituted for required physical education classes or required health education.

923 LIFESAVING (Semester Course)

Prerequisite: By recommendation

Credit: 1/2 unit

Through this elective course, students will acquire the skills necessary to prevent and handle emergencies in and around water. Students who successfully complete the Red Cross requirements will receive a Lifeguarding Certificate, which will enable them to qualify for a position at an aquatic facility. Lifesaving may not be substituted for the required physical education courses.

988 PHYSICAL EDUCATION INTERNSHIP

Prerequisite: None

Credit: 1/2- 1 unit

This course is offered to those students who are interested in the areas of physical education, physical therapy, or athletic training. Students will be required to attend all physical education classes and assist the instructor with skill development, exercise development, equipment maintenance, fitness testing. An independent project will also be required. Students may elect this course for a half year or a full year and it may only be taken once. Course must be approved by the department chairperson.

SCIENCE

301 GENERAL SCIENCE AA

Prerequisite: By recommendation

Credit: 1 unit

This course is a general overview of the sciences, stressing development of basic science skills and attitudes. Topics of study will be drawn from earth and physical sciences, with student involvement in a wide range of learning activities. The practical impact of science on daily life will be stressed.

302 GENERAL SCIENCE A

Prerequisite: None

Credit: 1 unit

This course is a general overview of the sciences. Topics of study will emphasize principles of earth and physical sciences. Students will be involved in a wide range of lab and problem-solving activities. The application of science in everyday life will be stressed.

303 GENERAL SCIENCE B

Prerequisite: None
Credit: 1 unit

This course takes a comprehensive overview of the sciences and it is intended for students who are planning on higher education. Major concepts will be drawn from the earth and physical sciences; the interrelated nature of many of the concepts will be stressed, and the impact of science issues on society will be explored. Emphasis will also be placed on student development of research, laboratory, and problem solving skills.

304 GENERAL SCIENCE C

Prerequisite: None
Credit: 1 unit

This honors level course for ninth grade students will be a comprehensive course using both traditional and authentic forms of assessment. Assessment will be built around three major processes: conceptual understanding, experimentation and application. Major concepts for this course will be drawn from two major content areas: Earth Science (Astronomy, Geology, Meteorology) and Physical Science (Chemistry, Physics). Students will be engaged in a variety of hands-on activities in covering topics drawn from these two areas. Student responsibility will be high as they design and carry out experiments to solve scientific problems.

311 BIOLOGY AA

Prerequisite: By recommendation
Credit: 1 unit

This is the most basic biology course offered. It covers the main concepts of inquiry, evolution, genetics, life balances, and ecology. Emphasis is centered on the problems of the home and the community. The major goal of the course is to improve each student's ability to use biological concepts wisely in his daily life in a technical society.

312 BIOLOGY A

Prerequisite: None
Credit: 1 unit

As living organisms, we should have some understanding of such life functions as sensitivity, locomotion, digestion, circulation, respiration, and reproduction. Developing this understanding requires inquiry into the plant and animal kingdoms. Topics include how the body does its work, how living things reproduce, how traits are transferred from parent to offspring, how life evolved from the past to the present, and how organisms maintain relationships with their environments. The importance of food to the living condition, the effect of behavior and the spread and control of disease are also studied. Some laboratory activities are provided including both microscope work and introductory dissection.

313 BIOLOGY B

Prerequisite: None
Credit: 1 unit

This course is designed for the student of science and provides a background in both molecular and cellular biology including the structure and physiological processes of plants, animals, and man; the principles of heredity, organic variation and diversity of life; the detailed examination of the microbiological organisms such as viruses, bacteria, protozoans, fungi, and algae; and the ecological relationship of organisms with their environment. There will be a variety of laboratory activities including extensive microscope work and detailed dissection.

314 BIOLOGY 1C

(Middlesex Community College Credit Available)

Prerequisite: None
Credit: 1 unit

This is an honors level course available to ninth and tenth grade students. The election of this course should be based on a strong foundation in science. Course content will be more intense than Biology B and will stress molecular biology, cellular biology, ecology, genetics, anatomy and physiology of plants and animals, human biology and evolution. Laboratory work is extensive and student evaluation rigorous. Students should expect to research independent projects throughout the course.

315 AP BIOLOGY (UCONN ECE Platt Only)
316 AP BIOLOGY LAB (UCONN ECE Platt Only)

Prerequisite: Biology B or C
Grade 11 and 12
Credit: 1 1/2 units

The AP Biology course and Lab section are designed to be the equivalent of a college introductory biology course. They provide the students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing field of biology. The areas covered in extensive detail include: biochemistry, cell structure and function, energy transformation, molecular genetics, heredity, structure and physiology of plants and animals, behavior, ecology and evolution. Students will have the opportunity to pursue individual assignments and projects under the direction of the teacher. Great emphasis is placed on individual lab work and outside readings. Laboratory experience is required in the AP Biology course. This includes twelve AP laboratories and supplemental labs. The course is designed to help students prepare for the AP Biology Exam. Students selecting 315 Biology AP are required to take 316 Biology AP Lab. It is recommended that AP Biology students take Chemistry B or C either before or with this course.

322 ECOLOGY

Prerequisite: Biology
Credit: 1 unit

This course presents factual information needed to understand the basic concepts and principles of ecology. This content will include the study of humans and their environment; the study of habitats; the interrelationships of organisms; the behavior and requirement of primary species; and the structure and succession of communities. The core of the course involves the distribution of organisms and how they respond and adjust to environmental factors. A program of both laboratory and field exercises will be used during all seasons of the school year which involves projects and individual assignments.

324 EARTH SCIENCE

Prerequisite: None
Credit: 1 unit

With an understanding of earth science, students will be able to make more informed choices about how to conserve and use the earth's resources. In this course, students will study earth as a member of our solar system. Several major subject areas will be covered in this course including: Astronomy, Geology, Meteorology (Atmospheric Science), Oceanography and Mapping (Topography). Hands-on laboratory activities will be an integral part of this course.

328 GEOLOGY

Prerequisite: 1 year of Science
Credit: 1/2 unit

This course will present a brief introductory survey of the whole field of geology, from rocks and minerals to the formation of entire continents and the processes that act upon them. This overview will provide you with a basis for understanding many different aspects of our planet including: Structure of a Dynamic Earth (Origin of Earth, Layers of Earth, Rock Types, Minerals), Forces That Raise the Surface (Plate Tectonics, Volcanism, Earthquakes and Mountain Building), Forces That Attack the Surface (Weathering, Erosion, Glaciers), Geologic Time (A Brief History of Earth and Its Life Forms) and the Geology of Connecticut. Hands-on laboratory activities will be an integral part of this course.

329 HUMAN ANATOMY AND PHYSIOLOGY A

Prerequisite: Biology A or B
Credit: 1 unit

This course will include a study of the major systems of the human body as they relate to the requirements of the life functions. Students will become familiar with the structure and function of each body system and take part in a variety of laboratory activities related to these studies. Those students with interests in the areas of practical nursing, dental assistant, medical secretary, laboratory technician, or other related health careers will find this course of great value. FOR JUNIORS OR SENIORS ONLY.

330 HUMAN ANATOMY AND PHYSIOLOGY B

Prerequisite: Biology B

Credit: 1 unit

The structure and function of the human body are examined in this course in extensive detail. Content includes the various systems of the body such as those that involve locomotion, digestion, circulation, respiration, excretion, and reproduction. Diseases and genetic abnormalities are also studied. The course will provide a comprehensive understanding for students whose future interests may lie in the biological sciences, medicine, nursing, physical therapy, dentistry, medical technology, and other related health sciences. Extensive laboratory work will focus on tissue identification, the nervous system, the chemical properties of foods, blood typing, and other investigations. To derive maximum benefit, it is recommended that students have completed or be enrolled in a chemistry course.

331 PHYSICS B

Prerequisite: Concurrent Enrollment in Algebra 2

Credit: 1 unit

Any physics course is a study of matter and energy. This involves inquiry into the concepts, laws, and applications of force, motion, heat, fluids, sound, light, electricity, magnetism, and atomic and nuclear physics. Teacher demonstrations, laboratory activities, and problem solving will show the applications of physics to industry and daily life. Students should have a good mathematics background.

332 PHYSICS C

Prerequisite: Concurrent Enrollment in Algebra 2C

Credit: 1 unit

Election of this course should be based on a strong background in mathematics and science. It is more intensive and analytic than the B course. Emphasis is placed on the principles and applications of mechanics, wave motion, heat, electricity, magnetism, optics and atomic and nuclear physics. Students will have opportunity to participate in a wide range of laboratory activities, projects, problem solving work, and computer applications in physics. To derive maximum benefit, students should take Calculus with this course.

340 HUMAN ANATOMY AND PHYSIOLOGY C

Prerequisite: 2 years of science/

Recommendation of current science teacher

Credit: 1 unit

The normal and abnormal structure and function of the human body are the focus of this honors level class. After a detailed introduction to the four types of human body tissue in healthy and diseased conditions, the content includes coverage of the integumentary, muscular, skeletal, digestive, respiratory, circulatory, excretory, immune, endocrine, nervous, lymphatic, and reproductive systems. Although the subject matter is helpful for all students to understand, the course is especially helpful for students who are considering a future as a physician, nurse or nurse practitioner, therapist, pharmacist, bioengineer, and others. The use of physiological experimentation and technology is included in this program. An extensive full year research project may be required.

341 CHEMISTRY A

Prerequisite: Algebra 1

Credit: 1 unit

This course has been developed for students desiring a general and elementary approach to chemistry and for those with a vocational interest in practical nursing. Course content includes the fundamentals of chemistry such as atomic structure, chemical bonding, balanced equations, prediction of products, and identification and preparation of solutions. Applications to industrial processes and consumer chemistry will be discussed. Less emphasis will be placed on theory and mathematics and many laboratory experiences will be provided.

342 CHEMISTRY B**Prerequisite: Algebra 1****Credit: 1 unit**

This standard pre-college chemistry course emphasizes such basic concepts as atomic structure, electron configuration, chemical bonding, balanced equations, prediction of products, the types and preparation of solutions, and basic mathematical concepts of chemistry. Other concepts stress nuclear reactions, reversible reactions, and those reactions involving electric current. Some descriptive chemistry is studied as a vehicle for theory and consideration of selected elements and compounds. Laboratory experiences include the study and collection of many gases, the effect of acids, and other activities. During laboratory experiences, which are an integral part of the course, students are expected to learn basic laboratory techniques, safety regulations, fundamental preparations of elements and compounds, and simple principles of qualitative analysis. The course is particularly suited for pre-college and pre-nursing students.

343 CHEMISTRY C**Prerequisite: Algebra 1****Credit: 1 unit**

Election of this course should be based on a strong background in mathematics and science. While dealing with approximately the same material as Chemistry B, the course stresses theory to a greater degree, demands more experience in combining proportions of elements or compounds involved in reactions, and offers the student a greater depth of chemical experience. Laboratory work is extensive and student evaluation rigorous. A college text is used.

345 ASTRONOMY**Prerequisite: 1 year of Science****Credit: 1/2 unit**

This class is designed to familiarize students with the origin, evolution and structure of the universe. Numerous topics will be discussed in this class including: the solar system and its members (sun, moon, planets, comets), seasons, eclipses, star finding and constellations (reading star charts), stars (characteristics and stellar evolution), aspects of the celestial sphere, spectroscopy (light and the electromagnetic spectrum), and types of telescopes. Hands-on lab activities will be an integral part of this course. Daytime observation of the sun (with a specially equipped telescope) and optional evening observation sessions will be offered.

346 AP CHEMISTRY (UCONN ECE-Platt Only)**Prerequisite: Algebra 2 (Algebra 2****347 AP CHEMISTRY LAB (UCONN ECE-Platt Only)****can be taken concurrently
with AP Chemistry)****Credit: 1 1/2 units**

This course is designed to provide a foundation for more advanced courses in chemistry. Topics include atomic theory; laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions; and properties of some of the more familiar elements and their compounds. Quantitative measurements illustrating the laws of chemical combination comprise the first semester labs. The second semester labs focus on equilibrium in solutions and qualitative reactions of the common cations and anions. Upon successful completion, college credit may be earned from the University of Connecticut.

395 SCIENCE INTERNSHIP**Prerequisite: 1 year of Science****Credit: 1/2 unit**

Students electing this course will work under the direct supervision of a science teacher and carry out a variety of tasks related to science education. Tasks may include set up and take down of laboratory equipment, performance of scientific experiments, work with computers and technology, work in the greenhouse, and tutorial and teaching assistance in the classroom. Students will gain experience working closely with an adult and in teaching. The course will provide a practical on-the-job idea of what education is like as a career. Note: The recommendation of the supervising teacher and the approval of the department chairperson must be obtained before a student may enroll in this course. This course cannot be taken to meet the science requirement for graduation.

399 INDEPENDENT STUDY FOR SCIENCE

Prerequisite: Grades 10,11 and 12
Credit: 1/4-1 unit

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office and must obtain a member of the science faculty as an advisor.

SOCIAL STUDIES

SOCIAL STUDIES

A research paper/project will be assigned at all levels.

401 CIVICS AA

Prerequisite: By recommendation
Credit: 1 unit

Through the study of American government, emphasis is placed on reading, writing, and discussion skill development. This course will stress the United States Constitution and government, the rights and responsibilities of citizens, various political systems, and the role of the United States in world affairs.

402 CIVICS A

Prerequisite: None
Credit: 1 unit

This is a survey course in the study of United States government and how it operates, the U. S. Constitution, the rights and responsibilities of citizens, a comparison of various political systems, and the role of the United States in world affairs.

405 WORLD GEOGRAPHY

Prerequisite: None
Credit: 1 unit

The study of the earth and the way people live and work on it is called geography. In this course you will study how places on the earth differ, how people organize themselves and use the earth's resources, the location of these places, and the relationship between people and their environment.

408 WORLD CIVILIZATION AA

Prerequisite: By recommendation
Credit: 1 unit

This course is recommended for the remedial student. It is a survey of man's past. It will include the story of early man and the development of the first civilizations. It will also discuss the historical and cultural importance of major world events in the ancient, medieval and modern periods. Emphasis will be placed on basic social studies skills, and include map reading and the analysis of charts and graphs.

410 WORLD CIVILIZATION A

Prerequisite: None
Credit: 1 unit

This course is designed to provide for the non-college-bound pupil an exposure to history which is less rigorous than the two-year World History sequence. The course covers man's existence on this globe with an emphasis on cultural development. Pupils will study the manner in which man has provided for his common needs, the contributions of all peoples to civilization, and the interdependence of people all over the world.

411 WORLD HISTORY 1B

Prerequisite: None
Credit: 1 unit

This course, which is recommended for college-bound students, is a survey of the history of ancient empires through the events leading to World War I. It is the basis for further cultural pursuits and a background for understanding modern times. Geography, sociology, economics, and the governments of a variety of prominent civilizations are studied. Emphasis is placed on the contributions these civilizations have made to American culture.

413 WORLD HISTORY 1C**Prerequisite: None**
Credit: 1 unit

This course, which is recommended for college-bound students who have demonstrated a high level of reading and writing skills, is a survey of the history of ancient empires through the events leading to World War I. It is the basis for further cultural pursuits and a background for understanding modern times. Geography, sociology, economics, and the governments of a variety of prominent civilizations are studied. Emphasis is placed on the contributions these civilizations have made to American culture.

415 WORLD HISTORY 2B/CIVICS B**Prerequisite: None**
Credit: 1 unit

It is recommended that this course be taken by college-bound students. The first part of this course is a survey of history beginning with the outbreak of World War I and continuing through modern times. Pupils will study the various social, religious, economic, and government systems that have shaped the modern world. The second part of this course is a study of civics and American government. Topics that will be covered include the United States Constitution, how the U.S. system of government operates, the rights and responsibilities of citizens, a comparison of various political systems, and the role of the United States in world affairs.

417 WORLD HISTORY 2C/CIVICS C**Prerequisite: None**
Credit: 1 unit

This course is recommended for college-bound students who have demonstrated a high level of reading and writing skills. The first part of this course is a survey of history beginning with the outbreak of World War I and continuing through modern times. Investigative and analytical techniques are used extensively in studying the various social, religious, economic, and government systems that have shaped the modern world. The second part of this course is a study of civics and American government. Topics that will be covered include the United States Constitution, how the U.S. system of government operates, the rights and responsibilities of citizens, a comparison of various political systems, and the role of the United States in world affairs.

421 UNITED STATES HISTORY AA**Prerequisite: By recommendation**
Credit: 1 unit

This course stresses the development of basic social studies skills through the study of the history of this country. The political, cultural, and industrial development and the progress of our democratic government are emphasized.

422 UNITED STATES HISTORY A**Prerequisite: None**
Credit: 1 unit

This course presents the history of this country from industrialization to the present day and includes a study of the political, cultural, and industrial development of the nation. The history and progress of our democratic government, local, state, and national, are emphasized.

423 UNITED STATES HISTORY B**Prerequisite: None**
Credit: 1 unit

This course in the history of our country is designed to give great scope and depth suitable to the abilities and aims of college-bound students. It is usually taken in the eleventh grade. Pupils are expected to acquire an appreciation for the heritage of our democracy, a knowledge of the relevancy of the past to today's world, and a familiarity with the duties and responsibilities of citizenship and the position of the United States in world affairs.

424 UNITED STATES HISTORY C**Prerequisite: None**
Credit: 1 unit

This course is intended for the student who has demonstrated high levels of reading and writing skills. The course will be an in-depth study of American history with emphasis placed on advanced concepts. The student's ability to investigate, analyze, and evaluate sophisticated data will be stressed.

425 AP UNITED STATES HISTORY**Prerequisite: None**
Credit: 1 unit

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. This course will develop the skills necessary to arrive at conclusions on the basis of informed judgement and to present reasons and evidence clearly and persuasively in essay format. Students selecting this course are expected to take the Advanced Placement United States History Examination.

426 HISTORY OF THE NON-WESTERN WORLD**Prerequisite: World History/
World Civilization**
Credit: 1 unit

The Non-Western World comprises 75% of the world's population. However, we understand very little about these societies. This course will highlight and study the lack of similarity between these cultures and explore the effects of these differences as they relate to decision-making. Emphasis will be placed on the contribution these cultures have made to world civilizations. This course is designed to give greater scope and depth in understanding Non-Western History.

434 AP EUROPEAN HISTORY**Prerequisite: None**
Credit: 1 unit

This course is offered to juniors and seniors with strong reading and writing abilities. It deals with the in-depth study of European history from the seventeenth to the twentieth century. This course is also designed to help students prepare for the European History Advanced Placement Test.

**436 MERIDEN: THE TOWN IN WHICH WE LIVE
(Platt Only)****Prerequisite: None**
Credit: 1/2 unit

This course is recommended for students in grades 10-12. It will include a brief review of the State of Connecticut followed by a survey of Meriden from its origin to the present. Geography, economics and issues relevant to current Meriden will also be examined. Group discussion and guest speakers will be used extensively.

**438 ECONOMICS
(Semester Course)****Prerequisite: None**
Credit: 1/2 unit

Economics deals with the means and activities by which people make a living and provide for their needs. Included is a study of the various facets of working, earning, buying, selling, savings, and investing.

**441 GEOGRAPHY
(Semester Course)****Prerequisite: None**
Credit: 1/2 unit

Geography is the study of man in his world and the role of his environment in his culture and in international relationships.

**442 GEOGRAPHY B
(Platt Only-Semester Course)****Prerequisite: None**
Credit: 1/2 unit

Geography is the study of man in his world and the role of his environment in his culture and in international relationships. This course will provide students with an understanding of the interrelations among physical geography, economics and cultures throughout the world.

**451 SOCIOLOGY
(Semester Course)****Prerequisite: None**
Credit: 1/2 unit

Offered to juniors and seniors for the purpose of developing an understanding of the individual in society, this course will focus on the individual's role, status, social relationships, cultural adaptability, and societal structures. The course will consist of classwork as well as individual and group research projects.

**453 HUMAN BEHAVIOR
(Semester Course)**

**Prerequisite: None
Credit: 1/2 unit**

This is a semester course offered to juniors and seniors. The course will provide students with an opportunity to learn more about themselves and their behavior. Students will gain insight into human motivation which may aid them in their capacity to relate to others. The subject will draw upon the research and theories of a wide range of scientists and practitioners to gain an overall picture of the field, which has grown to be known as the science of human and animal behavior. Individual and group experiments and activities will be a format for this course.

454 YOUTH AND GOVERNMENT C

**Prerequisite: By recommendation
Credit: 1/2 unit**

The focus of this honors course is to develop student awareness of political processes on the Connecticut State level. Course emphasis will be on leadership, speaking, and critical thinking skills and the final course product will be to write a proposed bill to be debated during a mock legislative weekend held at the Connecticut State Capitol. Classroom instruction is held outside of the normal school day schedule. Students who wish to apply must be recommended by their social studies teacher to take this course, with final approval given by the Youth and Government advisors. Selection guidelines are available in the guidance office. This course is designated for grades 10-12. Freshmen can be considered with a strong recommendation from the Youth and Government advisor.

455 SENIOR FORUM

**Prerequisite: None
Credit: 1 unit**

Senior Forum is a course that deals with current events and contemporary issues. Students will receive a weekly news magazine that will serve as the basis for discussions and analysis. Class participation is an important part of this course.

**499 INDEPENDENT STUDY FOR
SOCIAL STUDIES**

**Prerequisite: Grades 10,11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

TECHNOLOGY EDUCATION

801 DRAFTING 1

**Prerequisite: None
Credit: 1 unit**

This introductory course will begin with techniques of CAD. The theory of orthographic projection to achieve accurate shape and size description will be presented along with techniques. Problems solved on "the board" will then be completed on the computer using the CAD system. Daily work assignments will be used to reinforce the basics of drawing with CAD. Emphasis will be placed on the development of exactness of thought, construction, proportion and developing proficiency in the performance of fundamental tasks. Basic vocational and career opportunities will be discussed.

802 DRAFTING 2

**Prerequisite: Drafting 1
Credit: 1 unit**

Drafting 2 will give the student further experience in making more advanced drawings using additional methods and the CAD system. The work includes sectional views, machine threads and fasteners, primary auxiliary views, cams and cams motions, details and assembly drawings. The course will also include intersections and developmental sheet metal, contours and maps. The last term will be devoted to architectural drafting where the student will make floor, electrical and foundation plans for a small house. Increased development of marketable skills and further exploration of job opportunities related to the drafting industry will be emphasized.

803 DRAFTING 3**(Middlesex Community College Credit Available)****Prerequisite: Drafting 2****Credit: 1 unit**

Drafting 3 is a course providing additional opportunities for problem solving. It encompasses a sensitivity to design, skill in drawing techniques, effective utilization of CAD, and a knowledge of the latest construction materials. Students will prepare a complete set of plans for a one or two-story home of their choice. The work includes preliminary plans, floor plans, door and window schedules, foundation plans, elevations, pictorial rendering of the house, and structural detail drawings.

804 ENGINEERING DRAFTING**Prerequisite: None****Credit: 1 unit**

This course is designed to fit the needs of juniors and seniors who plan to follow an engineering curriculum in college and who have had no drafting in their high school program. Traditional techniques will be taught and the CAD system will be introduced. Assignments will be equally divided between these two relevant areas in order to give students a complete picture of the fundamental techniques/methodologies available to the modern-day draftsman/engineer. Quality of work is stressed with assignments in drafting constructions, machine motion study, and structural drafting. Technical background information relating to each unit of work will be presented to enhance the drawing experiences. Basic vocational and career opportunities will be discussed.

811 INFORMATION SYSTEMS**Prerequisite: None****Credit: 1 unit**

This course provides the student with an exploratory examination of how to generate, manipulate, store and transmit information in both digital and print formats. The course examines the major technical areas of graphic design, printing, and electronic audio and video communications. Each student will experience sample activities to support understanding of these areas.

813 VIDEO PRODUCTION**Prerequisite: Adobe Photoshop****Credit: 1 unit**

Video Production is a one-year course designed to introduce students to the use and theory of video production technology. This course will focus on the use of cameras and related equipment to produce live and scripted video productions and to solve technical problems associated with the production process. Through the use of a studio and its equipment, students will develop skills involved in the various roles associated with a video production studio. They will also be involved in maintaining the proper and continuous broadcasting of video on the local education channel via cable. The editing process will incorporate current techniques employed in the industry in both digital and linear modes. The emphasis is on technical skills and employability skills associated with such an interactive production atmosphere.

815 WEB DESIGN**(Middlesex Community College Credit Available)****Prerequisite: Adobe Photoshop****Credit: 1/2 unit**

Learn the most successful methods for preparing and designing images and media for the world wide web. Create in Photoshop, prepare in Imageready, and activate in Dreamweaver.

817 ADOBE PHOTOSHOP**(Middlesex Community College Credit Available)****Prerequisite: None****Credit: 1/2 unit**

This course provides students with the basics of scanning, digital photography, creating, and manipulating images in the world's leading digital editing software program - Adobe Photoshop. They will explore the many facets of Photoshop, a digital darkroom, for use in all types of graphics work including retouching, filtering, layering, silhouetting, and adding other special effects to images.

818 ROBOTICS**Prerequisite: None**
Credit: 1 unit

This course will introduce students to the technology-based industry of robotics. Students who are interested in mechanical devices, electronics, computer animation, and generally enjoy doing things with their hands, will be able to study all of these areas in an environment designed to stimulate creativity and challenge problem-solving skills.

819 EXPLORING TECHNOLOGY**Prerequisite: None**
Credit: 1 unit

This course is an exploration of the world of technology and how it relates to you and the world around you. It connects the middle school experience to high school and beyond by investigating the four areas of technology – construction, manufacturing, communications, and transportation. This activity-based course will provide experience in the application of technology through a problem-solving approach. Students may build models, develop communication systems, or program robots while utilizing the knowledge and skills acquired in other academic areas. Future career opportunities will be explored.

820 HOME MAINTENANCE AND CONSUMER EDUCATION**Prerequisite: None**
Credit: 1 unit

This course will introduce students to the mechanical systems of the home (electrical, plumbing, heating, etc.) and the necessary preventive maintenance/repair strategies one should be familiar with in order to keep those systems operational. Students will also gain knowledge of tools and safety procedures related to a variety of typical home maintenance tasks as they solve practical problems and perform typical repairs through a direct hands-on approach.

831 POWER AND TRANSPORTATION TECHNOLOGY 1**Prerequisite: None**
Credit: 1 unit

This course is designed to develop an understanding of energy, power, and transportation, and how they interrelate. Students will gain a basic understanding of automotive technology by examining the scientific principles behind the internal combustion engine, with emphasis on the single-cylinder air-cooled engine. They will apply their knowledge by learning to maintain and repair mechanical systems, including the modern automobile. Special course content will focus on the history of transportation and its impact on society, as well as new technological developments in the industry. Students will also have the opportunity to explore career opportunities in the fields of transportation and automotive technology.

832 POWER AND TRANSPORTATION TECHNOLOGY 2**Prerequisite: Power Technology 1**
Credit: 1 unit

This course will cover advanced work in power, with an increased emphasis on more advanced repairs and maintenance of the automobile. Many high-tech systems will be studied in order to introduce the student to the fundamentals of their operation and basic troubleshooting techniques will be explored and introduced. Increased emphasis on the development of marketable skills and further exploration of job opportunities will be discussed.

833 POWER AND TRANSPORTATION TECHNOLOGY 3**Prerequisite: Power Technology 2**
Credit: 1 unit

Automotive engine overhaul and specialized auto body work will be introduced, in addition to the advanced study of and experimentation with steering systems, suspension systems, and brake systems. Greater opportunities will exist for the introduction of "live" jobs, which will facilitate the introduction of shop management operations and related skill building. Experimentation with alternative fuel vehicles will be included. Students will have greater freedom to utilize their own automobiles as vehicles of instruction. Students will be made aware of local industries in which career opportunities exist, and efforts may be made to help students obtain employment.

841 MATERIALS PROCESSING TECHNOLOGY 1**Prerequisite: None
Credit: 1 unit**

The Materials Processing Technology 1 course provides opportunities for understanding the manufacturing process. A variety of products will be produced with raw and recycled materials that will highlight woods, metals, and plastics manufacturing. Students will develop a good “mechanical sense” that will prove valuable to the student both in vocational choice and leisure activity. Students will learn about quality, efficiency, and cost effectiveness so that they will be informed consumers. Instructional units will include the design, planning, documentation, manufacturing, and finishing processes. Project work will be the vehicle for instruction.

842 MATERIALS PROCESSING TECHNOLOGY 2**Prerequisite: Materials 1
Credit: 1 unit**

The Materials Processing Technology 2 course offers students an opportunity to increase their understanding of manufacturing processing. Emphasis will be placed on enhancing the student’s knowledge and use of machine tools to produce finished products from materials such as wood, metal, and plastics. Students will learn about quality methods, how to budget time, materials, and money. Students will examine and appraise industrial products and processes. They will learn to be responsible for their own work, for tools, equipment, and for the facility – traits necessary to successful future employment. The instructor will select an initial project activity. Upon successful completion of the project, students will be given the opportunity to produce projects of their own design.

843 MATERIALS PROCESSING TECHNOLOGY 3**Prerequisite: Materials 2
Credit: 1 unit**

The Materials Processing Technology 3 course is offered to enable students to develop increased competencies and marketable skills. Continued emphasis will be placed on enhancing the student’s knowledge and use of machine tools to produce finished products. As students will develop their own project ideas, instruction will be increasingly individualized. Students will be asked to apply past and present learning to the student-selected project. Increased skill building opportunities include independent thinking, problem solving, efficient use of resources, and independent work. Increased emphasis will be placed on quality of workmanship and effective use of time and resources. The culmination of this sequence of course work will serve as an adequate prerequisite for entry into apprentice training in this field.

**899 INDEPENDENT STUDY IN
TECHNOLOGY EDUCATION****Prerequisite: Grades 10,11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

850 TECHNOLOGY EDUCATION INTERNSHIP**Prerequisite: By recommendation
Credit: 1/2 or 1 unit**

Students electing this course may select from several opportunities available in the Industrial Technology Department to apply learned skills and to enhance their understanding of technology-related concepts. These opportunities include working with individual students in the various shops under the supervision of a teacher or assisting the teacher in other school related projects. Students must possess a strong academic background in the area in which they choose to intern. Note: The recommendation of the supervising teacher and the approval of the department chairperson must be obtained before a student may enroll in this course.

VOCATIONAL EDUCATION

740 FOOD SERVICE

Prerequisite: Introductory Foods

Credit: 1-2 units

(1 unit: classroom instruction) (1 unit: fieldsite experience)

This course is designed to meet the needs of students who are planning a career in food service as well as those who are interested in exploring food service as a career option. Students will study the types of food service operations, safety, sanitation, and the various work stations involved in food service. Lectures, demonstrations, food preparation, field trips and the preparation and serving of several meals to the public will be part of the class. Students may combine classroom instruction with work experience through an in-school program.

750 CHILD DEVELOPMENT 2

Prerequisite: Child Development

(Middlesex Community College Credit Available)

Credit: 1-2 units

(1 unit: classroom instruction)

(1/4-1 unit: field site instruction)

This course is a continuation of Child Development. It is designed to meet the needs of students who are planning a career in child care, as well as those who are interested in further study of early childhood. Opportunities are provided, under the supervision of the teacher-coordinator, for students to combine classroom instruction with actual work experience, through in-school and local early childhood programs. Students must meet minimum hours as established by district and state guidelines to earn up to 1 credit in field site experience. The recommendation of the counselor and teacher-coordinator is necessary for acceptance into the program. Students completing the two year sequence in Child Development may be required to take a state test in this area.

851 MARKETING 1

Prerequisite: None

Credit: 1-2 units

Marketing 1 is a study of concepts in marketing, business and economics. These include the nature, scope and techniques of selling: understanding customers and clients, opportunities and employability skills. Special emphasis is placed on the student's involvement in DECA and the School Store as co-curricular activities. Students will participate in hands-on activities such as preparing a print layout, creating a television commercial, performing a sales promotion and participating in a job interview. Senior students only are eligible for an additional credit by working a minimum of 400 hours per year (15 hours per week) and receiving satisfactory evaluations from his/her employer.

852 MARKETING 2

Prerequisite: Marketing 1

Credit: 1-2 units

Marketing 2 is a continuation of Marketing 1. Students will continue their study of marketing, business and economics. Studies will also include cost-profit relationships, operations, risk management, purchasing, pricing and sales and finance. Students will be engaged in hands-on activities using skills developed through the entrepreneurship component of the program. Senior students only are eligible for an additional credit by working a minimum of 400 hours per year (15 hours per week) and receiving satisfactory evaluations from his/her employer.

853 MARKETING 3

Prerequisite: Marketing 2

Credit: 1-2 units

Marketing 3 is a continuation of Marketing 2. Students will continue their study of marketing with a special emphasis placed on entrepreneurship. This course is designed for students planning on majoring in marketing and/or business in college. Concentration will be on the student's desire to own and operate their own business. Students will develop marketing plans, learn how to complete a thorough marketing analysis and complete a comprehensive written project on starting a new business. Senior students only are eligible for an additional credit by working a minimum of 400 hours per year (15 hours per week) and receiving satisfactory evaluations from his/her employer.

870 COOPERATIVE WORK EXPERIENCE

**Prerequisite: Senior or
12th Grade Status
Credit: 1-2 units
(1 unit: classroom instruction)
(1 unit: jobsite placement)**

This program is designed for seniors who are undecided as to their post-high school plans. Students may combine classroom instruction with actual work experience as part of his/her educational program. One credit is given for classroom work, which consists of a general orientation to the world of work. Basic information and guidance on future careers and opportunities are provided. The student may also work a minimum of 400 hours per year (15 hours per week) and receive satisfactory evaluations from his or her employer for an additional credit, which will be pass/fail.

873 MEDICAL CAREERS 1

**Prerequisite: None
Credit: 1 unit**

This course can be used as a single elective or the prerequisite to the Certified Nursing Assistant program (Medical Careers 2). It is recommended for those students who wish to pursue a career in the medical field. Timely medical topics will be discussed. The student will be introduced to basic nursing concepts, theories, medical terminologies and abbreviations. All students in medical careers classes become members of Skills-USA, a co-curricular student organization. (Grades 10,11,12)

876 MEDICAL CAREERS 2

**Prerequisite: Medical Careers 1
Credit: 1 1/2 units**

Students will continue their studies in the classroom and practical experience will be provided under the close supervision of the teacher/coordinator at the affiliated health care facility. A Nursing Assistant Certification and Registration will be earned after successful completion of this course. It is mandated by state regulations that each student will complete a minimum of 120 hours of theory and 60 hours of clinical experience. Recommendation of the teacher/coordinator is necessary for acceptance into this program. Class size is limited. All students in this class become members of Skills-USA, a co-curricular student organization. (Grades 11, 12)

898 VOCATIONAL INTERNSHIP

**Prerequisite: By recommendation
Credit: 1/2 or 1 unit**

This course is offered to those students who are interested in the areas of marketing or entrepreneurship. Students will be required to manage the school store or write a business plan for entry into competition. The plan will be intensive and complete for all aspects of business ownership. The course may only be taken once and interested students must possess a strong academic background in the area in which they choose to intern. Note: The recommendation of the supervising teacher and the approval of the department chairperson must be obtained before a student may enroll in this course.

**899 INDEPENDENT STUDY IN
VOCATIONAL EDUCATION**

**Prerequisite: Grades 10, 11 and 12
Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the guidance office.

WORLD LANGUAGES

501-504 FRENCH 1, 2, 3 and 4C

Prerequisite: See description

Credit: 1 unit

The courses in French aim to build a good working vocabulary, to acquire a mastery of fundamentals of French grammar, to read with comprehension texts of increasing difficulty, to develop power of expression in oral and written work, and to awaken an interest in French literature, customs, culture, and geography. Classes may have opportunities to visit French plays, cultural events and musical events.

505 AP FRENCH LANGUAGE

Prerequisite: See description

Credit: 1 unit

The Advanced Placement Class is designed for students who have completed French IV and have a high level of aptitude in the four skills of reading, writing, listening and speaking. It is therefore required that a student have a grade level of B in French IV before electing this course. It is a demanding and intensive program of language study, requiring an advanced level of skills, and is considered a preparation for the College Board Advanced Placement test.

521-524 LATIN 1, 2, 3 and 4C

Prerequisite: See description

Credit: 1 unit

The immediate objective of the Latin courses is the progressive development of ability to read and comprehend Latin. This requires mastery of vocabulary, forms, and fundamentals of grammar. Among the ultimate objectives are increased understanding of the elements in English which are related to Latin, the development of historical and cultural background, and the development of literary appreciation. A highlight of the year is often State Latin Day, with its athletic competitions, mythology costume contest, quiz-bowl competitions and chariot races. Students are given the opportunity to take state and national exams for awards.

525 AP LATIN: VERGIL

Prerequisite: See description

Credit: 1 unit

The Latin Advanced Placement Vergil course is intended for serious, well versed and outstanding students of the Latin language who have completed four years of Latin (or three years with permission of the instructor after achieving an average of B or better). This course involves an intense study of the *Aeneid*. Course content is dictated by the College Board, Advanced Placement Section and the course is considered preparation for the College Board Advanced Placement test.

531-534 SPANISH 1, 2, 3 and 4C

Prerequisite: See description

Credit: 1 unit

These courses will enable a student to build a general vocabulary, to read the language with comprehension, to acquire a mastery of the fundamentals of Spanish grammar, to develop a power of expression, and to awaken an interest in Spanish literature, history and culture. Cultural content is enriched by visits to and attendance at Hispanic cultural events. There are opportunities for community service and tutoring programs for advanced students.

535 AP SPANISH LANGUAGE

Prerequisite: See description

Credit: 1 unit

The Advanced Placement class is designed for students who have completed Spanish III or IV and have a high level of aptitude in the four skills of reading, writing, listening and speaking. It is therefore required that a student have a grade level of B in Spanish III or Spanish IV before electing this course. It is a demanding and intensive program of language study, requiring an advanced level of skills, and is considered as a preparatory for the College Board Advanced Placement test.

541-544 ITALIAN 1, 2, 3, 4C**Prerequisite: See description****Credit: 1 unit**

The courses in Italian aim to build a good working vocabulary, to acquire a mastery of fundamentals of Italian grammar, to reach with comprehension texts of increasing difficulty, to develop power of expression in oral and written work, and to awaken an interest in Italian literature, customs, culture and geography.

545 AP ITALIAN LANGUAGE AND CULTURE**Prerequisite: See description****Credit: 1 unit**

The Advanced Placement Class is designed for students who have completed Italian 4 and have a high level of aptitude in the four skills of reading, writing, listening and speaking. It is therefore required that a student have a grade level of B in Italian 4 before electing this course. It is a demanding and intensive program of language study, requiring an advanced level of skills, and is considered a preparation for the College Board Advanced Placement test.

**599 INDEPENDENT STUDY FOR
FOREIGN LANGUAGE****Prerequisite: Grades 10,11 and 12****Credit: 1/4-1 unit**

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult with the guidance office.

COURSE SELECTION WORKSHEET

NAME _____ HOMEROOM _____

GRADE _____

GRADE 9	UNITS	GRADE 10	UNITS	GRADE 11	UNITS	GRADE 12	UNITS
English		English		English		English	
TOTAL UNITS		TOTAL UNITS		TOTAL UNITS		TOTAL UNITS	

STUDENT CHECKLIST FOR COURSE SELECTION

- 1. I have thought about: a. my interests; b. my abilities; c. my past grades; d. how hard I am willing to work in school.
- 2. I plan to use high school to prepare myself for:
 - a. high school diploma
 - b. business school
 - c. vocational/technical school
 - d. nursing/health service technician
 - e. two-year college
 - f. four-year college
 - g. military service
- 3. I would like to follow the _____ program as described on pages 7 + 8.
- 4. I have reviewed the requirements for graduation, promotion and eligibility for athletics (pages 2-8).
- 5. I have reviewed the policy on course changes (page 6).
- 6. I have reviewed the suggestions for choosing a good program (page 6).
- 7. I have discussed the program I chose with all of these people:
 - a. my parents; b. my teachers; c. my counselor.

OFFICE OF THE ASSOCIATE SUPERINTENDENT
MERIDEN BOARD OF EDUCATION
22 LIBERTY STREET — ROOM 2A
MERIDEN, CONNECTICUT 06450