

MONTROSE AREA SCHOOL DISTRICT

2011-2012 SCHOOL YEAR

MONTROSE AREA JUNIOR/SENIOR HIGH SCHOOL ADMINISTRATION

**JAMES TALLARICO, PRINCIPAL
RUSS CANEVARI, ASSISTANT PRINCIPAL**

MESSAGE TO STUDENTS AND PARENTS:

Selection of courses is probably one of the most important decisions that students and parents undertake. This course selection guide represents the course offerings of the Montrose Area Junior/Senior High School. It is important that you and your parents review the materials in this booklet. Since it is not possible in these few pages to answer all the concerns you may have when planning a secondary program, students and parents are urged to utilize the Guidance Department to obtain additional information and the answers to various questions.

Scheduling decisions should be made carefully after an examination of past achievement, ability levels, special interests and any other information which will assist in making wise decisions. Students naturally turn to parents, teachers, and counselors to obtain direction and guidance in making these difficult decisions. Part of the value of course selection is in learning to make decisions based on careful planning. Courses should be scheduled as part of a continuing program rather than as individual courses taken in isolation. Selections should be given careful consideration. They will be binding for the entire school year.

There is a program of studies available at the Montrose Area Junior/Senior High School designed to serve each student. The opportunity for a progressive educational program is available to help each student prepare for the future.

We hope that each of you will find this booklet helpful in making these decisions about your future and encourage you to utilize your guidance counselor as you make these decisions.

James Tallarico
High School Principal

Montrose Area School District operates as an equal opportunity institution and will not discriminate on the basis of race, national origin, religion, gender, marital or family status, age, or disabling condition in its activities, programs, or employment practices as required in Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1993, and the Americans with Disabilities Act (ADA of 1990). For information about your rights or grievance procedures, contact Dr. Donald Golden, Title IX Coordinator, Section 504 Coordinator, at 273 Meteor Way, Montrose, PA 18801 or call (570) 278-3731.

GUIDANCE SERVICES

The Guidance Department at Montrose Area Junior/Senior High School endeavors to serve you by assisting in the development of your educational and vocational planning. You should know yourself if you are to plan wisely. This "self-understanding" is a process, which continues into adulthood.

Through critical self-analysis, test interpretations, interest inventories, participation in extracurricular activities, vocational and educational information and counseling, the process of self-understanding evolves.

Specific courses are required for graduation. Students are required to take a full load of courses (6 plus physical education). There is a wide variety of subjects from which choices may be made. It is important that each student have a purpose in mind as he/she plans his/her high school schedule. The scheduling process used at Montrose Area Junior/Senior High School is designed to aid in that planning.

You and your parents are encouraged to meet with the counselors to discuss future plans. Call the Guidance Office at (570) 278-6253 to make an appointment.

Guidance Counselors are assigned to students as follows:

Mary Beth Ohmnacht	Grades 11 & 12	570-278-6231
Angela Nebzydowski	Grades 9 & 10	570-278-6233
Katherine Oehler	Grades 7 & 8	570-278-6235

PROGRAM PLAN

Students are expected to plan a program of courses to go from grade 9 to graduation. Counselors will schedule conferences with students to help them develop this plan. Guidelines to be used in selecting courses are:

1. As challenging a program of studies as can be handled successfully.
2. Courses which will be suitable to your needs and abilities.
3. Student load of six majors plus minors and lab period.
4. Minimum number of study halls.

THE THREE CURRICULUM TRACKS

1. College Preparatory - Preparation for education after graduation
2. Vocational Education - Co-op, Vo-Tech, School-to-Work
3. General Education - Preparation to work in industry and society

COURSE DROP/ADD POLICY

Selecting, pursuing, and dropping courses are serious matters, which affect both a student's education and the total school due to variations in enrollment.

1. The procedure to drop a course is as follows: Initially, a student must gain permission for a drop of class from the classroom teacher. **All drops are to be initiated by the classroom teacher.** The teacher will then take that concern to the guidance counselor for approval, who in turn will contact the principal. No changes will take place without prior approval from the classroom teacher, guidance counselor, and principal.

2. **No students may enter a new course after the second week of the course unless approval is obtained from the guidance counselor, principal, and classroom teacher.** This does not apply to transfer students new to the high school.

GRADE RECOMMENDATIONS

It is recommended that a grade of at least 71 be achieved in all academic courses before proceeding to the next sequential level of study. It is the counselor's responsibility to make students aware of this recommendation.

A 68 is the lowest passing grade. Although a grade of 68-70 will allow credit toward the fulfillment of graduation requirements, it will result in the strong recommendation that the student discontinue study if in a sequential subject or repeat the course.

ADVANCED PLACEMENT COURSES

The enrollment process for the advance placement classes is:

- An interview of teacher nominated candidates from the previous year
- During the interview process the teachers will convey the AP philosophy and classroom guidelines. The student will be contracted to be an AP student.
- After the interview process, the teachers will determine which AP course will best fit each student.

At the mid point of the course, a meeting will be held involving the student, teacher, and parent to discuss the potential of taking the AP exam.

HONORS COURSES

Honors courses have been introduced in English. Student placement in honors courses will be made by teacher recommendation. Honors courses will receive an additional weight of three percent on the student's grade point average.

PRE-SCHEDULING

Senior high students (grades 9 through 12) **MUST** fill their schedule with a **MINIMUM** of six (6) full course periods per week plus physical education. **This is especially important considering the 24-credit requirement for graduation.**

There are 8 periods in the school day with 1 being used for lunch – leaving 7 periods for scheduling classes. Course offering may change based on the completion of the final budget process.

CAUTION - THESE SELECTIONS SHOULD BE GIVEN CAREFUL CONSIDERATION. THEY WILL BE BINDING FOR THE ENTIRE SCHOOL YEAR. ONCE THE SCHEDULE IS COMPLETED, CHANGES ARE DIFFICULT TO ACHIEVE AND RESULT IN UNDERENROLLMENT OR OVERENROLLMENT CLASSES. GREAT CARE MUST BE TAKEN IN PRE-SCHEDULING. THOSE COURSES WITH FEWER THAN 10 STUDENT REQUESTS MAY NOT BE OFFERED EVERY YEAR.

REQUIREMENTS FOR GRADUATION HIGH SCHOOL CREDIT - GRADES 9 - 12

A minimum of 24 credits is required for graduation and they must be earned from the 9th grade through graduation.

<u>Subject Area</u>	<u>Units of Credit</u>
English	4
Mathematics	3
Science	3
Social Studies	4
Physical Education	1
Health	.5
Computer	.5
Family & Consumer Science	.5
Driver Education	.2
Elective Credits	7.5
Total credits required for graduation	24

A graduation project will be required for all graduating seniors.

Montrose Area Junior/Senior High School operates on a 180-day calendar of 30 cycles, with each cycle 6 days long.

Course credit is computed on the following basis:

One year Course which meets 180 days for 40 minutes/day equals a total of 118 hours = 1 credit.

Example: English meets 6 days per cycle = 180 day = 126 hours = 1 credit

Physical Education meets 2 days per cycle = 180 days = 42 hours = .3 credit

One semester courses meet for 90 days = 60 hours = .5 credit

REQUIRED COURSES

Three planned courses are required to be taught to all students EVERY YEAR:

1. English
2. Physical Education
3. Social Studies

COURSE DESCRIPTIONS

ENGLISH

ENGLISH - 010 - GRADE 7 – The first course in secondary English focuses on the writing process and the six types of writing (descriptive, persuasive, imaginative, expository, personal, and narrative). Other points of development are grammar, vocabulary, and public speaking skills. Vocabulary is derived from various types of reading.

READING - 013 - GRADE 7 - Reading for enjoyment is stressed in the 7th grade reading curriculum. Reading for evident and implied meaning, literary terms identification and writing in response to literature are taught. Guided application of the 12 reading strategies used by successful readers are emphasized.

ENGLISH - 016 - GRADE 8 – Practical application of the student’s knowledge of grammar is utilized in written compositions. An emphasis is placed on basic essay form, mostly for informational and persuasive writing. Time is also spent reading and writing poetry.

THEATRE ARTS – 118-GRADE 9/10/11/12 – This class focuses on many aspects of the theatre world. Emphasis is placed on studying the history of theatre, accomplished by working with many kinds of plays by many different authors. Time will also be spent on acting craft, stage basics and improvisation, and backstage and skills (stagecraft, tech., and make-up).

READING-011-GRADE 8-This course focuses on developing an active and understanding mind for evaluating and understanding literature. Utilizing a wide variety of shorter stories, emphasis is placed on the six elements found in a well-written story. Attention is also given to reading comprehension and personal reaction. Units on test-taking and study skills, as well as public speaking are also important parts of the course.

ENGLISH -100 - GRADE 9 - This course involves a study of grammar to help the student write more mature sentence structures correctly i.e. the study of phrases, clauses, and usage. The literature units focus on the study of short stories, poetry and drama. The reading and interpretation of literature is handled in a more mature fashion than that of lower grades. The writing component of the class deals with varied sentence structures, good paragraph development and the development of a thesis. Students will also be introduced to MLA style for preparing and presenting research.

HONORS ENGLISH-101-GRADE 9-The goal of honors English is to provide a more challenging instructional environment that allows students with advanced skills to pursue the regular ninth grade English curriculum in greater depth. Students must be recommended by their previous English teacher to enroll in this class.

ENGLISH - 103 - GRADE 10 - The tenth year English curriculum enlists the four communication skills of reading, writing, listening and speaking. A vocabulary program enhances the students' reading, writing, and spoken vocabularies. The study of composition is emphasized through the teaching of writing as a step-by-step process. Students will practice research skills and presentation of research according to MLA

style. Students will also read major works, such as *To Kill a Mockingbird* and *Night*, which relate to the students' history curriculum, as well as *Julius Caesar*. Finally, students will be introduced to public speaking skills.

HONORS ENGLISH-104-GRADE 10-This course explores in greater depth the grade 10 English curriculum and looks at additional texts such as Mark Mathabane's *Kaffir Boy*.

ENGLISH C.P. - 106 - GRADE 11 - A survey of American literature forms the basis of this year's work. Detailed attention is focused on comprehension, interpretation, evaluation, and appreciation of what is read. Vocabulary studies, literary techniques and movements, and development of critical facilities all open the way to mastery of college preparatory work. Composition skills and a general review of mechanics are given attention. A major emphasis of this year's work is the completion of the senior research paper.

ENGLISH - 107 - GRADE 11 - A survey of American literature forms the basis of this year's work. Emphasis is placed on definition and recognition of literary terms, incidental vocabulary, spelling, oral reading, and literary movements. A major emphasis of this year's work is the completion of the senior research paper.

ENGLISH C.P. - 109 - GRADE 12 - A survey of English literature and additional reading is required. Emphasis is placed on composition skills, including sentence structure, paragraphing, word choice, mechanics, and vocabulary development.

ENGLISH - 110 - GRADE 12 - This course includes a study of literature. Additional reading is required as well. Compositions are assigned to encourage clear thinking and the development of individual style. A grammar review is also included.

HONORS ENGLISH - 112 - GRADE 11 - A.P. English is for students who plan to take the A.P. Examination at the end of their junior year. Course basics cover close readings of representative classic novels, poems, and plays. Literary analysis papers and tests assess progress. Critical thinking skills are developed via Socratic discussions and frequent outside reading and writing assignments. Extensive use of library skills is emphasized. Word studies include vocabulary and specific literary terminology. Students may, at their own expense, take the A.P. Exam at the end of the year. Appropriate exam scores may result in three, or six, college credits. students may have to fulfill additional requirements to enroll in this course.

HONORS ENGLISH-113-GRADE 12- This course is designed for the serious student of world literature. In addition to grammar, composition, and vocabulary, students are expected to read and analyze a wide variety of literary selections from around the world.

JOURNALISM -115 - GRADES 9/10/11/12 – This is a writing course. It is designed for students who like to write and are interested in improving their skills. While specific areas to be emphasized include media law and ethics, researching, interviewing, news and feature writing, sports writing, photography, layout and design, and copyediting, the course is **not** just for people who are interested in journalism. Most of the writing skills we discuss are necessary for any type of quality writing. Through the production of the school newspaper, the *Meteor Chronicle*, students will learn to develop stories, meet deadlines, and manage time. Students will also learn the importance of individual responsibility as well as teamwork.

ADVANCED JOURNALISM - 114 - GRADES 10/11/12 – For students who have

successfully completed Journalism. Advanced journalism is a writing course. It is for students who are interested in improving their writing by building on the skills learned in Journalism. The same areas emphasized in the first-year course will be stressed in this course but on a more in-depth level. Students will continue to work on the *Meteor Chronicle*, but advanced students will be expected to develop more challenging stories. Some advanced students will also serve in editorial positions on the newspaper staff, thereby developing leadership skills.

ESL PROGRAM – (must qualify for program) The English as a Second Language Program is to develop academic literacy and oral skills through a reading, writing, speaking and listening program. The students read, write and discuss the content of their regular education classes. The students are learning language through content. The goal of the program is to help the students develop critical thinking skills as well as written and oral communication skills.

SEE COURSE SEQUENCE CHART IN THE BACK OF THE COURSE SELECTION GUIDE.

BUSINESS

All Business Department students are encouraged to also be active members of the Future Business Leaders of America (FBLA). FBLA offers students the opportunity to extend their learning outside of the classroom through competition, community service, application of skills, and various professional activities. Any student wishing to join FBLA should see Mr. Benedict.

INTRODUCTION TO BUSINESS-209-GRADES 9/10/11/12- The broad goal of this course is to introduce students to the many areas of business and the careers open to the student. Topics include career research and planning, goal setting and decision-making, the common forms of ownership, internal organization and management, marketing, human resources, and finance functions. Introduction to Business provides a basic understanding of personal resource management issues such as banking, budgeting, savings, insurance, and taxes.

ACCOUNTING I – 205-GRADES 9/10/11/12 – This is an entry-level course for vocational record keeping. The course begins with the basics of accounting and covers the total financial period. This includes all steps in the accounting cycle: opening, recording entries, posting and closing. Accounting I will study the needs of service and merchandising businesses.

ACCOUNTING II – 206-GRADES 10/11/12 – This course is for the student who desires additional work in the field of accounting. Accounting II will study the needs of Corporate Accounting for a merchandising business. This includes and introduction to departmental accounting, accounting control systems, and uncollectible accounts. Prerequisite: Successful completion of Accounting I

ACCOUNTING III – 207-GRADES 11/12 – This course is for the student who desires advanced work in the field of accounting. Accounting III students will study the purpose and method of managerial and cost accounting for a merchandising business. Prerequisite: Successful completion of Accounting II

BUSINESS LAW-215-GRADES-10/11/12- This class is designed to introduce the

student to the study of law through a brief look at how law developed, the legal system in the United States, the functions of the federal and state court systems, and civil and criminal law. Additional topics typically include computer law, financial crimes, legal careers, international law, and contracts. This course will help students become aware of their rights and responsibilities under the laws so they can function as responsible citizens in their personal and professional lives. This course is offered EVERY OTHER YEAR. **This course is offered in the 2011-2012 school year.**

YEARBOOK JOURNALISM – 116 – GRADES 9/10/11/12 – This course develops skills in financing, interviewing, reporting, writing, designing, computers, photography and meeting deadlines. The class will produce the ACTA.

FOREIGN LANGUAGES

To obtain the most benefit from the study of a foreign language, students should study at least 3 years of the language. Languages will not be offered when enrollments are below the level that can be successfully scheduled. Every effort will be made to offer sequences. **Students who are contemplating college study are strongly urged to take 4 years of a language.** Students must successfully complete each level of a language to proceed to the next.

FRENCH I – 258 – GRADES 9/10/11/12 – French I is a language course designed for the college bound student. This class is a comprehensive study of basic vocabulary and grammar of the language with practice in listening comprehension, speaking and simple reading and writing exercises. Contemporary aspects of French culture are introduced through dialogues and narratives.

FRENCH II – 259 – GRADES 10/11/12 – Students must have successfully completed French I with at least a 71% to proceed to this course. French II continues with vocabulary and grammar studies with increasing intensity and complexity of listening comprehension, speaking and reading/writing activities.

FRENCH III – 260 – GRADES 11/12 – This class is for the serious language student. Again, this is an extension of French II with the lessons becoming more advanced with emphasis on oral work and comprehension. The reading and writing selections stress contemporary aspects of French life. Eligible students will be inducted into French National Honor Society during this year.

FRENCH IV – 261 – GRADE 12 – This class is for the very able language student and is the culmination of the first three years. The emphasis is on higher level speaking skills, comprehension, practical application and increased independent reading and writing activities.

SPANISH I – 250 – GRADES 9/10/11/12 – Spanish I provides an introduction to the language and culture of the Spanish-speaking world. Speaking and listening skills are emphasized with a focus on communication in topics such as food, school, clothing, family, friends, sports, travel and holidays. The Spanish program is based on the belief that the purpose of learning Spanish is to communicate with the people who speak it and to understand their cultures. Technology will be a very important part of the overall Spanish curriculum and will make it possible for students to access the textbook online along with speaking, reading and writing activities. The goal of each level is to provide students with the skills to make them proficient in the Spanish language.

SPANISH II – 251 – GRADES 10/11/12 – In Spanish II students continue to learn to communicate about their own lives and how to interact with Hispanic cultures. Topics include: school, daily routine, clothing, sports and hobbies, family, and food. Reading and writing in Spanish will be included with continuous emphasis on listening to and speaking the Spanish language. Students will enhance all these skills with the textbook technology that includes multimedia visual activities.

SPANISH III – 252 – GRADES 11/12 – In Spanish III students continue to increase their ability to communicate in Spanish in areas related to everyday activities. The emphasis will be to continue to enhance speaking, writing and reading skills with the use of the technology. The cultural focus will be on the contemporary Spanish-speaking world. Students participate in projects such as writing a Christmas newspaper. Spanish III students who are eligible will be inducted into the National Spanish Honor Society. Trips and holiday activities are an important part of the Spanish III curriculum.

SPANISH IV – 253 – GRADE 12 – Spanish IV is the completion of the four year program offered in the Spanish department. Students continue to improve, refine and enhance their ability to communicate in Spanish. More complex grammatical structures are introduced, some reading of simple Spanish literature is offered. Topics include community, art, food, Mayan civilization, myths and legends, and multiculturalism. Spanish IV students provide the leadership for both Spanish Club and Spanish Honor Society.

MATHEMATICS

MATHEMATICS - 030 - This course presents mathematics as a cumulative, unified subject directly relevant to real world connections. It progressively develops all important mathematics topics, including whole numbers, fractions, decimals, measurement, proportion, percents, number theory, statistics, probability, geometry, logical reasoning and pre-algebra.

MATHEMATICS - 033 - A thorough development of mathematical concepts, skills and problem solving strategies is completed with this course. Operations of rational and real numbers are covered then applied to equation solving. Percents, probability, graphing in the coordinate plane, sequences, and functions are expected to be mastered. Properties and measurement of geometric figures are further developed. Real world connections are distributed throughout the year among the different concepts.

INTEGRATED MATH I -300- This course *introduces* concepts of Algebra and Geometry which will be further developed and mastered in Integrated Math Levels II & III. The course introduces basic algebra concepts, such as exponents, polynomial, equations, inequalities, and writing and graphing linear equations. Operations with integers and rational numbers, ratios, proportions and percents are reviewed. The topics of probability and statistics are introduced through constructing and interpreting graphs and data, and a study of the probability and odds of single events. The basic geometry concepts of plane and coordinate geometry, polygons, triangles, quadrilaterals and circles, as well as surface area and volume are also introduced. Problem solving strategies are introduced and practiced.

INTEGRATED MATH II -302- This course further *develops* concepts of Algebra and Geometry introduced in Integrated Math Level I as well as introduction to algebraic systems, radicals, and matrices and geometric proofs. Operations with integers and

rational numbers, ratios, and proportions are further developed. Percents are reinforced as well. The topics of probability and statistics are further developed as well as problem solving strategies.

INTEGRATED MATH III -307- This course further *reinforces* the algebraic and geometric concepts introduced and developed in Integrated Math Levels I and II. In addition, the algebraic concepts of conics and matrices are introduced with further development of systems and quadratic and polynomial equations. The geometric concepts of area, right triangles and trigonometry, and proofs are further developed.

ALGEBRA I - 301 - The course begins with a fast paced review of real numbers, algebraic notation, and simple linear equations. Algorithms for more complex linear equations are added. The course then develops graphing techniques for those same equations and inequalities in two unknowns. The second half of the course covers functions, systems of equations, exponents, radicals, polynomials, and introduction to factoring.

GEOMETRY - 303 - Proofs of theorems and applications of these theorems constitute the main topics covered in geometry. Traditional topics of congruency, similarity, polygons, coordinate geometry, and right triangles are introduced and developed. Areas and volumes are calculated. Constructions of segments, angles and polygons are included along with real world connections.

ALGEBRA 2 - 304 - This course will follow geometry and is for the student needing second year algebra at a slower pace. Topics begin with a review of equations, inequalities and absolute value, and extend to relations and functions, systems of equations and matrices. The remaining units develop concepts dealing with polynomials, rational expression, and irrational and complex numbers. Development of problem solving skills and real world connections are an integral part of this course.

ALGEBRA II - 305 - This course begins with a review of equations, inequalities, and absolute value, then extends to linear, polynomial and quadratic relations and functions. Units on matrices and their applications, complex numbers, logarithmic and exponential functions, sequences and series, statistics and probability, and conics are also introduced and developed. The strengthening of problem solving skills and real world connections are emphasized.

ALGEBRA 3 AND BASIC TRIG - 306 - This is the sequential course for Algebra 2 and begins with the quadratic, exponential and logarithmic functions. Following are units in probability and statistics, sequences and series, and conic sections. The trigonometric functions are defined, used in right triangles and graphed. Trigonometric identities and oblique triangle concepts are developed. Continuing development of problem solving skills and real world connections are emphasized throughout the course.

TRIG/ADVANCED MATH - 308 - During the first semester, trigonometry is developed in both application and theoretical situations. The Advanced Math topics are a continuation of algebra topics, which include equation theory, matrices, sequences and series, probability, logs and exponents, limits and other pre-calculus topics. Graphing calculators are provided for use within the classroom.

CALCULUS - 309 - Any student wishing to take Calculus must have teacher recommendation **and** maintain at least an 88% average in Trigonometry or Honors

Trigonometry. After a review of functions and the Cartesian plane, the limit concept is introduced and developed. Derivatives and their application follow, with graphing concepts emphasized. Integration and its application will complete the course.

A.P. CALCULUS - 310 - Any student wishing to take AP Calculus must have teacher recommendation **and** maintain at least an 88% average in Honors Trigonometry. A Calculus readiness test will be given prior to this course being scheduled. The syllabus for Calculus AB will be followed in this course. It allows for the necessary topics to be completed prior to the Advanced Placement exam in May. The pace for the course will be accelerated compared to Calculus. Preparation on test questions comparable to the actual Advanced Placement exam will be part of the course. A graphing calculator will be provided for student use throughout the course. Students enrolling in the course are advised to take the A.P. exam.

DISCRETE MATH/STATISTICS - 311 - This is a year long senior math elective for students who have finished Algebra II. Students considering a career in mathematics/engineering/science should elect it only in addition to Trig and/or Calculus. The first half of the course in formal statistics will include measures of central tendency, frequency, variability and data analysis, including various plots and graphs. Numerous real world connections will be made within the statistical study. The second semester will be spent investigating traditional and modern topics in discrete mathematics, including set theory, mathematical logic, Boolean Algebra, and graphing theory. The year will conclude with the study of several short topics, which illustrate the power of discrete mathematics in the solution of various real world problems.

SAT MATH PREP COURSE – 318 – GRADES 11/12 – This course will provide the student an opportunity to prepare to take the SAT Reasoning Test. The course will provide a comprehensive review of algebra and Geometry skills. The student will learn problem solving strategies to help increase SAT scores and reduce anxiety about taking the SAT Test. Practice tests and online resources will be utilized.

SEE COURSE SEQUENCE CHART IN THE BACK OF THE COURSE SELECTION GUIDE.

SCIENCE

All students in grades 9-12 must successfully complete requirements in Earth Science, Biology and a third science including Chemistry, Physics, Advanced Physical Science or Practical Physics.

LIFE SCIENCE - 040 - GRADE 7 - This course provides the student with activities and experiences which not only satisfy a learning needed at this level but which also prepares the student for more advanced learning in the Biological Sciences offered later in the science program.

PHYSICAL SCIENCE - 043 - GRADE 8 - The subject matter of this 8th grade course consists of physical science topics geared to the junior high school level. Student laboratory experience is provided.

EARTH SCIENCE-400-GRADE 9 – This course covers various topics including astronomy, meteorology, earth water, plate tectonics, structure of the earth, energy, geologic history and earth resources. Projects are a major part of the curriculum along

with an active classroom environment.

BIOLOGY – 402 – GRADE 10 – This course covers the same material listed for College Prep Biology, but the curriculum is designed for the student who does not plan on furthering their education after high school.

COLLEGE PREPARATORY BIOLOGY – 403 – GRADE 10 – This course is designed to give college-bound students a greater understanding of the biological world. The curriculum is detailed and the student is responsible for daily review of classroom topics. Classroom work will be supplemented with reading and laboratories. Topics taught include: biochemistry, cellular energy, genetics, evolution and animal biology.

COLLEGE PREPARATORY CHEMISTRY – 404 – GRADES 11/12 – This course is designed not only to give students a deeper understanding of the physical world around them, but also to help them become better problem solvers. The following areas are studied in depth: structures and bonding, states of matter, chemical reactions and physical changes, types of compounds, and many mathematical relationships. Students view many demonstrations and perform many hands on experiments throughout the year to supplement practical and technical learning.

ADVANCED PLACEMENT CHEMISTRY – 409 – GRADE 12 – This course provides the opportunity for secondary school students to experience and perhaps receive college credits to college level chemistry. This is a course that demands a lot from students. It requires students to have one year of college prep chemistry. Students will be involved in lecture and also in as much laboratory work as possible, as lab is an integral part of college chemistry. AP Chemistry will build on concepts taught in first year chemistry. The students will accumulate facts that enable them to comprehend the development of chemical principals, utilize these principals, and relate to all chemical matters. Course enrollment will be limited to students with a 91 GPA or above in chemistry, with few exceptions noted. Students who seek enrollment will be required to do a summer assignment for the first few days of class.

PHYSICS - 405 - GRADES 11/12 - This course is a laboratory science with emphasis both on theory and application in mechanics, heat, light, sound, electricity and modern physics. Since Physics is a mathematical science, students are expected to have completed Algebra II prior to taking this course.

A.P. BIOLOGY-406-GRADES 11/12- This course is designed to be the equivalent of an introductory biology course at the college level. Topics covered include chemistry of life, cells, cell energetics, heredity, genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. AP Biology is a rigorous course that places greater expectations on the student and holds the student to a higher standard. A laboratory component of the course will emphasize concepts covered in lecture, readings, and discussion. In order to be enrolled in AP Biology, a student must have earned an 88% or higher in CP Biology. A summer assignment will be required.

ADVANCED PHYSICAL SCIENCE – 408 - GRADES 11/12 - This course includes a half-year instruction in both Physics and Chemistry and is a required course for graduation for those students who elect to not take Physics and Chemistry. Chemistry topics include measurements, matter, atomic structure, states of matter, mixture, bonding, compounds, and reactions. Physics instruction includes the areas of measurements, motion, electricity and electric energy, magnetism, wave motion, electro magnetic

radiation and optical instruments. **Again, this is a required course for those students not electing Chemistry and Physics.**

PRACTICAL PHYSICS-407-GRADES 11/12- This is a hands-on lab based course for students who wish to learn practical applications of physical concepts. Evaluation of student performance in this class will place great emphasis on active participation in collaborative projects.

SEE COURSE SEQUENCE CHART IN THE BACK OF THE COURSE SELECTION GUIDE.

COMPUTER SCIENCE

8TH GRADE COMPUTER APPLICATIONS – 056-GRADE 8 Rotation- This course meets for 60 days. This is an introductory course in word processing, spreadsheets, and presentation software. This course is designed to acquaint students with the basic computer concepts and applications. (Required for all 8th grade students)

9th ADVANCED COMPUTER APPLICATIONS- 413-GRADE 9 Rotation- This course meets for 90 days. This course is designed for students who have completed 8th grade Computer Applications and want to advance in word processing, spreadsheets, and presentation software. Students will demonstrate and ability to work fluently in an applications environment by completing hands-on projects based on a business setting. (Required for all 9th grade students)

WEB DESIGN I -414-GRADES 10/11/12- This course teaches the fundamental concepts of web design and developmental as well as web programming. Students will learn to program for the web using HTML, XHTML, CSS using Notepad++. HTML topics will include: formatting tags, table frames, cascading style sheets, forms and embedding digital media (images and videos). Class exercises will include guided practice as well as student-driven web site development.

WEB DESIGN II – 415- GRADES 11/12 – This course builds on the skills learned in Web Design I by teaching students to add element to web pages using editing and scripting software. Students learn how to use Adobe Dreamweaver to develop professional looking web pages. Additionally, this course will address topics designed to help create a more attractive website without sacrificing usability and accessibility. Potential students must have successfully completed the requirements of Web Design I and may be required to enter local web designing contests.

Prerequisite: Successful completion of Web Design I.

COMPUTER PROGRAMMING-411-GRADES-10/11/12- This course provides an introduction to object orientated programming (OOP) using Microsoft C++ programming language. The course will emphasize the analysis of problems, the careful selection of and appropriate algorithm, and the implementation for the algorithm C++. Topics covered will include input/output commands, control statements, looping, subroutines, string processing, and arrays. Students should have an aptitude for problem-solving and an interest and familiarity of computers.

COMPUTER PROGRAMMING-412-GRADE-11/12- This course is applicable to students who have completed Computer Programming I. The course continues the

survey of Computer Science beyond the first level and intensifies the study of computer programming. Students will learn top down program design and a step-wise approach to problem-solving. In the class the students will include graphic to their programs to develop more advanced programs.

Prerequisite: Successful completion of Computer Programming I.

DIGITAL VIDEO PRODUCTION- 213-GRADES 10/11/12- Digital Video Production is designed to give student the opportunity to create presentations using videography- the process of recording sound and visual images on electronic media. Principles of video basics, DV technology, the development and creative process, editing, production, effects and presentation are stressed. Opportunities for creativity, problem solving, individual and group interaction and decision making are incorporated.

SOCIAL STUDIES

THE ANCIENT WORLD - 050 - GRADE 7 - This course is a study of the development of man and the growth of civilization up to the Age of Exploration. The ancient world of Greece and Rome are studied up to the discovery of the New World.

U.S. HISTORY I - 053 - GRADE 8 - The objective of the eighth grade program is for the student to achieve an understanding of American heritage from the colonization to the early 19th century. Also, significant time is spent in the study of Pennsylvania's place in the growth of America and the origins of American government.

GEOGRAPHY - 056 - GRADE 8 - The emphasis of this course is to develop the student's understanding of the relationship between physical geography and human geography. Included in this course of study will be the refinement of basic geographical skills. Specific areas to be included in this course will be Pennsylvania, United States, Mexico and Canada.

U.S. HISTORY II - 500 - C.P., 501 - REGULAR - GRADE 9 - The objective of the 9th grade program is for the student to achieve an understanding of American heritage, from the early 19th century to 1912. Also, significant time is spent in the study of Pennsylvania's place in the development of America. The growth of American government is studied.

U.S. HISTORY III - 503 C.P., 504 - REGULAR - GRADE 10 - This course stresses American History from the administration of Woodrow Wilson to the present. Minority histories will be incorporated into this course, as well as the place of Pennsylvania in the growth of the United States. The growth of American government is studied.

MODERN WORLD HISTORY - 506 C.P., 507 - REGULAR - GRADE 11 - This course will be a survey history of the modern world, exclusive of the United States. The period of time covered will be from the renaissance through the present time. Events will be examined through a European prospective but will include global issues.

AMERICAN GOVERNMENT/ECONOMICS - 509 - C.P.- 510 - REGULAR - GRADE 12 - This course in contemporary American Culture is a political, social, and economic approach to current American life and government. It studies American government and politics, as well as current affairs and a thorough examination of the American economy and its place in the world. Techniques of researching and writing a term paper are presented including the proper use of library skills.

PSYCHOLOGY - 515 - GRADE 11/12 – As a college prep elective, this course is designed to mirror the college level Introduction to Psychology courses required in most fields of study. The course enhances the student’s understanding of human development and behavior. Historical analysis of the field of Psychology is balanced with discussion of current Psychological issues especially relevant to the high school student. Classic debates such as Nature/Nurture are intertwined with contemporary research and current perspectives in the field, as well as with each student’s personal thoughts and experiences. Specific topics include, but are not limited to, Research Methods, Neuroscience and Cognitive- Development, Human Sexuality, Psychological Disorders’ Intelligence, Personality and Parapsychology. The course DOES NOT reduce the social studies requirement.

A.P. EUROPEAN HISTORY - 517 - GRADE 11 - An advanced course in European Cultures taught on a college freshman level to prepare students for the A.P. Test for college credit. There is a screening process and a summer project is required in preparation for this course. This may be taken in place of Modern World History.

A.P. U.S. GOVERNMENT - 518 - GRADE 12 – This advanced course in U.S. Government prepares the student for the A.P. American Government test for college credit. This may be taken in place of C.P. U.S. Government. A summer project is required.

SEE COURSE SEQUENCE CHART IN THE BACK OF THE COURSE SELECTION GUIDE.

TECHNOLOGY EDUCATION

TECHNOLOGY ED. - 046 - GRADE 7 - This 60 day course involves problem solving and design techniques with an emphasis on simple and motorized machines. Students will be utilizing the Lego Simple Machines Set as a tool for learning.

FOUNDATIONS OF DIGITAL PHOTOGRAPHY – GRADES 9/10/11/12- This introductory course explores the basics of digital photography. Course content will focus on the technology behind digital single lens reflex cameras as well as photographic composition principles. Students will gain an understanding of how photographers use pictures to communicate ideas along with exploring the history of the media. Topics such as camera controls, lens capabilities, photographic paper, and digital imaging software will be discussed. Students will also gain an understanding of *Adobe Photoshop* fundamentals and basic “digital darkroom” concepts including file management, color correction and image manipulation.

GRAPHIC COMMUNICATIONS I -607-GRADES 9/10/11/12- This course provides a broad overview of the visual communications industry. It emphasizes design principles, history of visual communications technologies, and the production of typical products within the industry. Topics of study include printing/reproduction processes, vinyl signage, digital photography, desktop publishing, the advertising industry and computer-based communications systems. Related activities will include applying design principles to create graphic designs, advertising design and layout, bookbinding, product design and production, and screen printing. An average of C or above is required to advance to Graphic Communications II.

GRAPHIC COMMUNICATIONS II – 608- GRADES 10/11/12 – PREREQUISITE

GRAPHICS I – This course will provide a series of practical experiences in the design and technical aspects of publishing and production. The class will be responsible for producing graphics projects on a regular basis. All students will be exposed to areas of research, layout, editing, design elements, advertisement/publicity development, digital photography, color registration and various printing processes including offset duplication, vinyl signage, and screen printing.

INTRODUCTION TO METAL TECHNOLOGY - 600 - GRADES 9/10/11/12 - Introduction to metal technology is a one year course with a goal of giving students a basic knowledge in metalworking. Students will work in both hot metal processes (welding, casting, forging, etc.) and machine processes (lathe and milling machine). Students will be learning by producing a variety of projects required by the instructor.

ADVANCED METAL TECHNOLOGY - 601 - GRADES 10/11/12 – Advanced Metal Tech. is a one year course for students who would like to continue their education in metalworking. Students will be introduced to different welding processes and more advanced machining processes. Part of the year will be spent designing and completing a production project.

ADVANCED METAL TECHNOLOGY II - 611 -GRADES 11/12- This course is designed for students who have passed both Intro and Advanced Metal Technology. The course requires instructor approval. The intent of this course is to teach maintenance and repair of various machines and equipment. Part of the year may be dedicated to a large class project.

MECHANICAL DRAWING - 602 - GRADES 9/10/11/12 - Technical drawing is a critical foundational component of any type of engineering. It is the paper plan that workers will forge in steel or build to great heights with cut stone, concrete and iron. Contents of the course include orthographic drawing, technical sketching and sectional views. An introduction to the CAD system is also covered.

ADVANCED MECHANICAL DRAWING - 603 - GRADES 10/11/12 - Students must have successfully completed Mechanical Drawing I prior to taking this course. The goal of advanced mechanical drawing is for students to learn and become proficient making advanced technical drawings using the most popular and widely acclaimed drawing software used by architects, engineers and technicians throughout the world today: AutoCAD. While there are many software programs for drawing on the market, AutoCAD is considered to be the standard of industry. Any student considering a career in engineering or architecture should become acclimated with this software.

ARCHITECTURAL DRAWING - 606 - GRADES 10/11/12 - Prior to taking this course, students must have successfully completed Mechanical Drawing I and II. Modern house construction has come a long way since the days when pioneers built their houses of stone, logs, and thatch using shovels, saws and axes. In this day and age it is a precision science and all starts with a detailed set of working drawings drawn or approved by a licensed architect. Architectural drawing deals with understanding architectural styles, designing a home, making detailed working drawings (using AutoCAD) and understanding each aspect of home construction.

INTRODUCTION TO WOOD TECHNOLOGY - 609 - GRADES 9/10/11/12 – Students should know how to measure in order to take this course. In this course students will learn how to properly use hand tools and machines to layout and process materials to specific dimensions.

They will learn safety, lumber processing/grading, project planning, basic joinery, assembly, sanding and finishing techniques involved in woodworking. With the addition of a CNC Router, students will be required to use it to advance their skills in wood and computer technology. They will apply these skills in order to complete required assignments, projects, and tests which will be given throughout the year.

ADVANCED WOOD TECHNOLOGY - 610 - GRADES 10/11/12 - Students must have successfully completed Introduction to Wood Technology prior to taking this course. In this course we will start off by reviewing safety, machine processes and joinery. Required projects, assignments and tests will be given throughout.

FAMILY AND CONSUMER SCIENCES

HOME ECONOMICS - 046 - GRADE 8- A 60 day introductory course covering beginning basic nutrition guidelines, self-concept, and relationships with family and friends.

FAMILY AND CONSUMER SCIENCE- 413- GRADE 9 – This course includes the following: Financial and resource management, balancing family, work and community responsibility, food science and nutrition and child development. The course will be taught every day for half a year and is 0.5 of a credit. This is a required course for all 9th grade students.

CHILD DEVELOPMENT - 656 - GRADES 10/11/12 - Open to all students. A good course for those interested in careers in early childhood, elementary education, pediatrics, special education, and parenting. The social, intellectual, emotional, and physical development of a child from birth to six years is studied. Parenthood and pregnancy are also explored.

PHYSICAL EDUCATION

PHYSICAL EDUCATION - The objective of the 7-12 Physical Education Program are to develop, reinforce, and promote: teamwork and competition skills, physical fitness, aerobic fitness, coordination, agility, strength, swiftness and endurance. New skills will be developed and old skills reinforced. Knowledge of game rules and strategy will be emphasized. Students will demonstrate leadership skills and the ability to work cooperatively in team sports and group activities. Individual development in motor fitness skills, physical fitness, including aerobic fitness and skills in lifetime sports and outdoor activities will be promoted. Students will be expected to demonstrate their knowledge of benefits associated with physical fitness. The program introduces junior high students to the complete athletic program of the high school. Elective choices are made in grades 11 and 12 with emphasis on lifetime leisure activities and lifelong physical activity. **Students in grades 9-12 will participate in a weight-training program for 1 marking period/year. Students in grades 9-10 will also be required to participate in a unit in modern dance.**

ADAPTIVE PHYSICAL EDUCATION - 704 - GRADES 7/8/9/10/11/12 - An individualized program of adaptive Physical Education is offered with proper referral from a medical doctor.

HEALTH

HEALTH - GRADE 8 - A 45-day course designed to present current and accurate information about drugs and drug dependency. Students are taught useful social skills like staying out of

trouble with friends by making good, healthy choices, and demonstrating self-control. Communicable diseases are studied with emphasis on immunity and prevention. AIDS education includes the maintenance of safe behaviors and the exclusion of risky behaviors. Prior to HIV/AIDS instruction, the district shall inform parents/guardians that curriculum outlines and materials used in the instruction will be available for review. A student shall be excused from HIV/AIDS education when instruction conflicts with the religious beliefs or principles of the student or parent/guardian, upon the written request of the parent/guardian.

HEALTH - 705 - GRADE 10 - This course is designed to enable students to develop knowledge of the plan of action for accidents and sudden illness and the ability to respond appropriately in emergency situations, to identify and demonstrate knowledge of risk factors associated with heart attacks and how to minimize those risk factors, to identify the advantages of avoiding tobacco, alcohol and all other substance abuse, to identify healthful dietary practices and strategies for weight maintenance and selection of healthy food choices, to identify and describe basic concepts of the immune system and demonstrate knowledge of and risk behaviors of HIV/AIDS. Prior to HIV/AIDS instruction, the district shall inform parents/guardians that curriculum outlines and materials used in the instruction will be available for review. A student shall be excused from HIV/AIDS education when instruction conflicts with the religious beliefs or principles of the student or parent/guardian, upon the written request of the parent/guardian. (3 days out of 6)

WELLNESS – 706 – GRADES 11/12 – This course is designed with an emphasis on physiological functions with reference to the role of anatomical form in these processes. Topics include skeletal & muscle structure and function; neural & integumentary systems. There is an introduction to the structure and function of human tissues, organs and systems. Exercise will include video/computerized laboratory demonstrations of organ/system models, interactive computer experiments and non-invasive experiments on human subjects.

MUSIC

MUSIC APPRECIATION- 080- GRADE 7 - All 7th grade students must take this course to fulfill their music requirement. Students will be introduced to various musical instruments, rudimentary music theory and music history.

CHORUS - 082 - GRADE 7 - Open to all 7th grade students who want to sing. The chorus prepares 2 programs for public performance each year along with intensive eye and ear musical training aimed at developing music reading ability. Participation in concerts is mandatory as is active rehearsal participation.

BAND - 083 - GRADE 7 - Open to all 7th grade students whom have had some experience on a band instrument. Instruction during the year is concerned primarily with instrumental skills and with preparation of concert music. Participation in concerts is mandatory as is active rehearsal participation. Program may contain one parade. Students must possess an instrument to enroll in this class. Students are required to play for graduation.

BAND - 084 - GRADE 8 - Open to all 8th grade students who have had instruction on an instrument. At least two public concerts with required participation are given during the year. Instruction is concerned primarily with the growth of instrumental skills. Participation in concerts is mandatory as is active rehearsal participation. Program will contain one parade.

Students must possess an instrument to enroll in this class. Students are required to play for graduation.

CHORUS - 085 - GRADE 8 - Open to all 8th grade students who want to sing. This group prepares two programs each year. Along with special attention given to the changing boy's voice, the music-reading program started in 7th grade chorus continues. Participation in concerts is mandatory as is active rehearsal participation.

CONCERT CHOIR - 800 - GRADES 9/10/11/12 - This is a select group of mixed voices. Vocal and sight-reading proficiency are necessary. The group sings high caliber choral music from all periods of music history. Several public performances are given each year both in school and in the community. Participation in concerts is mandatory as is active rehearsal participation.

SYMPHONIC BAND - 802 - GRADES 9/10/11/12 - This is an elective course for students in grades 9 through 12. Admittance is based upon instrumental proficiency and the requirements of balanced instrumentation. This is the primary group to represent the instrumental music department at school and community functions. All performances are mandatory. Students will be required to take individual playing assessments. Students are required to play for graduation.

MUSIC LITERATURE - 805 - GRADES 9/10/11/12 - An introduction to the music literature of the various periods of music history, mainly through the medium of the symphony orchestra, with emphasis placed upon formal structure. Also study the development of American music from 1900 to the present day. COURSE IS OFFERED EVERY OTHER YEAR. This course is offered again in the 2012/2013 school year.

MUSIC THEORY - 806 - GRADES 9/10/11/12 - An elective open to students with a background in music. Four areas are covered: (a.) Written Theory – includes scales, modes, intervals triads, harmonic progression, structural analysis, cadences, four-part harmony, chord inversions, decorative pitches, dominant seventh chords, choral arranging and composition, seventh chords, secondary dominant chords, augmented chords, modulation, orchestration, and fugue analysis. (b.) Keyboard Harmony – scales, chords, playing all assignments harmonizing and accompanying simple melodies, chord progressions, transposition of familiar songs, employing techniques of modulation. (c.) Sight singing and Diction both cover rhythmic, melodic, and harmonic areas, from easy to moderately difficult, also complex rhythmic modulation and chromaticism. Students should have a minimum of one year experience in chorus or band. This course is subject to instructor admittance. COURSE IS OFFERED EVERY OTHER YEAR. **This course will be offered in the 2011/2012 school year.**

INTRO TO MUSIC TECHNOLOGY – 808 - GRADES 11/12 – This course is a survey of technology and its uses in music. students experiences will include an overview of electronic music instruments, microphones, sound systems, digital and analog synthesis, effects processing, digital audio, MIDI, and sequencing. Students will also work with Finale and Reason/Record software. The enrollment is limited to 15 students.

DRIVER EDUCATION

DRIVER EDUCATION - 707 - GRADE 10 - The class is scheduled for tenth grade students as well as upper classmen who have not previously passed the classroom work. Behind the wheel training may be taken after the student has attained the age of 16. The course takes the student through a carefully organized safety program. Upon completion of 30 hours of classroom instruction and 6 hours of behind-the-wheel training, a student

may be eligible for reduced auto insurance rates from some companies. **All students are required to take this course.**

ART

ART - 019 - GRADE 7- A 60-day course that explores various techniques involved in the production of art in a two or three-dimensional context.

ART 1 - 850 - GRADES 9/10/11/12 – The first year of the curriculum will consist of work based on the Elements of Art and the Principles of Design. A wide variety of materials will be used including both two and three dimensional media. Upon completion of this course, the student will have a general knowledge of art and be prepared to pursue advanced level art courses in the curriculum.

CERAMICS, GLASS AND JEWELRY – 855- GRADES 10/11/12 –(Pre-requisite Art 1) During this course students will explore three unique art forms: ceramics, glass, and jewelry. Students will learn about various techniques involved with each material and will develop their own individual designs. Examples include both hand built and wheel thrown pottery, stained glass forms, creating glass beads and more. Enrollment limited to 12 students.

ART 2 - 851 - GRADES 10/11/12 – (Pre-requisite Art 1) The second year of the curriculum is designed to look at art and the production of art in a more in-depth way. Both two and three dimensional areas will be explored and a variety of media will be used. Possible choices for class work may include drawing, painting, printing, ceramics, sculpture and mixed media.

ART 3 - 852 - GRADES 11/12 – (Pre-requisite Art 2) During the third year of the curriculum, students will gain a more advanced understanding of techniques, processes and concepts using a variety of media. They will also be expected to take the initiative to start developing their own personal style. Drawing, painting, printing, ceramics, sculpture and mixed media may be included for class work.

ART 4 - 853 - GRADE 12 – (Pre-requisite Art 3) The final year of the curriculum is designed to allow the experienced art student to investigate specific areas of art in depth. All class work is designed to motivate students toward complex problem solving in order to create highly advanced work. Coursework may include drawing, painting, printing, ceramics, sculpture and mixed media.

VOCATIONAL TECHNICAL SCHOOL PROGRAMS SUSQUEHANNA COUNTY CAREER AND TECHNOLOGY CENTER

The purpose of occupational education is to provide an opportunity for every individual to be trained in a service, skill, or occupation provided he/she has the interest and capability to learn and profit by such training to the extent that it aids him in earning a living.

VO-TECH A.M. 899 - GRADES 11/12 - VO-TECH P.M. - 900 - GRADE 10 - The programs taught at the vocational/technical school are trade courses designed to prepare students for careers in skilled occupations. Strong emphasis is placed on teaching business practices, handling tools, and interpreting technical manuals. These courses require good aptitude for mechanics and manual dexterity plus average academic ability. After graduation from high school many continue their education in technical colleges. The following courses are available to students:

Health Assistant

Automotive Technology
Building Trades I
Food Management, Production and Services

Cosmetology
Building Trades II

COOPERATIVE VOCATIONAL EDUCATION PROGRAM

CO-OP EDUCATION – 901 – GRADES 11/12 – You will receive one credit for the co-op class alone which will meet each day of the week. Students involved in co-op work must take this class their first year in the program. Students will learn practical skills for employment and being successful in life. Topics such as safety, resume writing, taking interviews, exploring careers, starting your own business, professional development, and life skills are some of the topics that will be covered.

CO-OP WORK – 902 – GRADES 11/12 – You may receive 2-4 credits for supervised work experience related to the co-op class. This vocational program is primarily for the student who wants to enter employment directly out of high school. Students will develop skills, knowledge and work habits necessary for productive employment. Students must have a job and proper transportation in order to be involved in this program. Ideally, this job should involve learning and applying vocational technical skills. This is a school and community partnership. Employers must agree to follow a training plan, sign a training agreement and agree to brief monthly visits by the co-op coordinator in order for students to be part of this program and receive credit. In addition, students must have proper working papers and their employer must carry workman's compensation for them (no working under the table). Quarry work, heavy equipment and roofing occupations are not legally permitted until students reach the age of 18. The co-op coordinator may occasionally post job opportunities. However, students are responsible to apply for and land the job themselves. Interested students must be recommended by a guidance counselor, must have demonstrated responsible behavior in school (especially attendance) and are only admitted after a conference with the co-op coordinator. Parents must be involved in this before a student is fully enrolled in the program. Students will then attend their academic classes in the morning and will be released in the afternoon to attend work. Students must maintain passing grades and proper attendance in all academic areas to continue participation in this program.

SCHOOL TO WORK - 903 - GRADES 11/12 - Students are selected through a competitive process to work at various sites on a one day/week or a two-day/week schedule. Placement is made in the spring for work in the fall.

MATHEMATICS SEQUENCES

The following sequences are the normal patterns of courses. Sequence #1 is the most challenging and #3 is the least challenging. Students may move to the right if experiencing difficulty.

Grade	Sequence #1	Sequence #2
7	Math 7	Math 7
8	Math 8	Math 8
9	Algebra I	Integrated Math I

10	Geometry **	Integrated Math II
11	Algebra II **	Integrated Math III
12	(a) Trig/Adv Math (b) Alg. 3/Basic Trig.	(a) Algebra 2 (b) Algebra II

* Only if exceptional work is shown in the previous course

** In order to schedule both courses in the same year, a 92% average is needed in Algebra I, along with teacher approval.

SCIENCE SEQUENCES

The following sequences are the normal patterns of courses. Sequence #1 is the most challenging and #3 is the least challenging.

Grade	College Bound Science Majors	College Prep Students	General and Vo-Tech Students
7	Life Science 7	Life Science 7	Life Science 7
8	Physical Science 8	Physical Science 8	Physical Science 8
9	Earth Science	Earth Science	Earth Science
10	C.P. Biology	C.P. Biology	Biology
11	Chemistry AP Biology	Chemistry OR Physics	Adv. Physical Science Practical Physics
12	AP Chemistry Physics	Chemistry OR Physics	

Other Science electives available for students in grades 11 and 12 include Advanced Placement Chemistry, and A.P. Biology.

ENGLISH SEQUENCES

The following sequences are the normal patterns of courses. Sequence #1 is the most challenging and #3 is the least challenging.

Grade	Sequence #1	Sequence #2	Sequence #3
7	English 7	English 7	English 7
8	English 8	English 8	English 8
9	English 9 Honors 9	English 9	English 9
10	English 10 Honors 10	English 10	English 10
11	Honors English 11	C.P. English 11	English 11
12	Honors English 12	C.P. English 12	English 12

Journalism is also available to students in grades 9-12 as an elective courses offered by the English department.

SOCIAL STUDIES SEQUENCES

The following sequences are the normal patterns of courses. Sequence #1 is the most challenging and #3 is the least challenging.

Grade	Sequence #1	Sequence #2	Sequence #3
7	Ancient World History	Ancient World History	Ancient World History
8	U. S. History 1 and Geography	U. S. History 1 and Geography	U.S. History 1 and Geography
9	C. P. United States History 2	C. P. United States History 2	United States History 2
10	C. P. United States History 3	C. P. United States History 3	United States History 3
11	Advanced Placement European History	C. P. Modern World History	Modern World History
12	Advanced Placement American Government	C. P. American Government/ Economics	American Government/Economics

Psychology is an elective offered to seniors by the Social Studies department.