

MONTROSE AREA SCHOOL DISTRICT

2007-2008 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. **CAUTION!** 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 Jr./Sr. 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 operate 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 80 High School Road, 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 extra-curricular 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 (7 plus physical education). There are a wide variety of subjects from which choices may be made. It is important that each student have a purpose in mind as they plan their high school schedule. The scheduling process used at Montrose Area Jr./Sr. 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 Nebzydoski	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. Select as challenging a program of studies as can be handled successfully.
2. Select courses which will be suitable to your needs and abilities.
3. A required student load is seven majors plus minors and lab period.
4. Study halls must be at a minimum.

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 their 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 Montrose High School.

ALL COURSE CHANGES MUST BE INITIATED THROUGH THE CLASSROOM TEACHER, GUIDANCE COUNSELOR, AND PRINCIPAL. NO CHANGES MAY BE MADE WITHOUT AUTHORIZATION.

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 minimum grade requirement for enrollment in an Advanced Placement course is 91 in previous College Preparatory curriculum, i.e., to be enrolled in Advanced Placement European History you must receive at least a 91 in 9th and 10th grade C. P. History. Teacher recommendation will also be required for enrollment in the A. P. curriculum. **Advanced Placement classes will be limited to an enrollment of 15.** The cost for each A. P. Exam was \$82.00 in 2006. **Advanced Placement courses will receive an additional weight of 6% on the student's Grade Point Average.**

HONORS COURSES

Honors courses have been introduced in Math and English. Student placement in honors courses will be made by teacher recommendation. Honors courses will receive an additional weight of 3% on the student's Grade Point Average.

PRE-SCHEDULING

Senior high students (grades 9 through 12) MUST fill their schedule with a MINIMUM of seven (7) full course periods per week plus physical education. **This is especially important considering the 25-credit requirement for graduation.**

There are 9 periods in the school day with 1 being used for lunch – leaving 8 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 25 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	<u>8.5</u>
Total credits required for graduation	25

* All students in grades 9-12 must successfully complete requirements in Earth Science, Biology, Chemistry, and Physics. Advanced Physical Science will meet the Chemistry and Physics requirements for those students who opt to not take separate courses in Chemistry and Physics.

A graduation project will be required for all graduating seniors.

Montrose Area Jr./Sr. 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 days = 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

The following planned courses are required to be taught to all students during the secondary grades (7 through 12).

a. Mathematics	5 courses
b. Science	5 courses
c. Art	*2 courses
d. Music	*2 courses
e. Family & Consumer Sciences	*2 courses
f. Technology Education	*1 course
g. Reading	*1 course
h. Health	*2 courses
i. Environmental Education	*1 course
j. Library Skills	*1 course at each level (Jr. High/Sr. High)
k. Driver Education	*1 course
l. Computer	*1 course

(Environmental Ed. & Library Skills may be taught within other courses)

* May be offered as fractional planned courses, which may be a minimum of 30 hours each.

***Reminder: All students in grades 9-12 must successfully complete requirements in Earth Science, Biology, Chemistry, and Physics. Advanced Physical Science will meet the Chemistry and Physics requirements for those students who opt to not take separate courses in Chemistry and Physics.**

COURSE DESCRIPTIONS

ENGLISH

ENGLISH - 010 - GRADE 7 - This first course in secondary English places emphasis on comprehension skills, reading for evident and implied meanings, drawing inferences, making deductions, and logical reasoning. Other points of development include basic techniques in grammar, usage, and mechanics of English. Ample practice is provided for clarity of expression in both writing and speaking. An introduction to literary forms in both fiction and nonfiction areas is part of the program.

READING - 013 - GRADE 7 - Reading for enjoyment is stressed in the 7th grade reading curriculum. Reading strategies, study strategies, and some library skills are taught.

ENGLISH - 016 - GRADE 8 - The English course in the eighth grade level is composed of a review of seventh grade grammar, the teaching of additional facets of rhetoric, usage, sentence structure, and spelling and vocabulary. Practical application of the student's knowledge of grammar is utilized in written compositions, which include informational, narrative, and persuasive. Speaking in front of a group is an important part of the program. Fiction, nonfiction, poetry and some plays are used.

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.

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* and *Kaffir Boy*. Finally, students will be introduced to public speaking skills.

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.

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.

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.

A. P. ENGLISH - 112 - GRADE 11 - 113 - GRADE 12 - A.P. English is for those students who are planning to take the A.P. Examination in their senior year. Close examination of representative classic novels, poems and plays is the basis of the course. Weekly writing assignments, vocabulary study, class participation, outside reading and extensive use of library skills is emphasized. Students may, at their own expense, take the A.P. Exam at the end of the year, which may result in three, or six college credits. This class will be offered in one or two levels depending on demand. Students may have to fulfill additional requirements to enroll in this course.

JOURNALISM - (elective) - 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.

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

KEYBOARDING – 046 – GRADE 7 - This course meets for 45 days, emphasizing keyboarding skills.

COMPUTER PRODUCTION – 019 – GRADE 8 – This course meets for 45 days, emphasizing the review of the 7th grade computer course. Students will develop projects utilizing Microsoft word.

ACCOUNTING I – 205 – GRADES 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 including all steps in the accounting cycle: opening, recording, entries, posting, and closing. Special work will be done on payroll systems, depreciation, and time permitting, partnership, and corporations. All work is completed exclusively on the computer.

ACCOUNTING II – 206 – GRADES 11/12 – This course is for the student who desires advanced work in the field of accounting. The course will begin with a review of basic procedures of bookkeeping. The student will study the purpose as well as the method of each structure including department accounting, bad debts, depreciation, prepaid and accrued income and expense, partnerships, control systems, taxes, notes and drafts, corporate accounting, and cost management. All work is completed exclusively on the computer.

INTRODUCTION TO MICROCOMPUTER APPLICATIONS - 413 - GRADES - 9/10/11/12 - This course teaches the student to use a personal computer and its software.

Students will be required to demonstrate an ability to work fluently in a Microsoft Windows environment. Students will use Microsoft Word to create memos, letters and reports (MLA) and utilizing letterhead stationary. Microsoft Excel spreadsheets will be incorporated to teach simple calculations (add, subtract, multiply, divide and auto sum) and create basic graphs. PowerPoint will be used to create a presentation that includes slide design, insertion of graphics and sounds, and automatic slide transitions and timings. This course will meet everyday for half a year and will count as 0.5 credits. **All students must schedule this course during their 9th grade year.**

BUSINESS TODAY- 209- GRADES 11/12 – This course emphasizes the basic concepts of the business world today. The presentation of this one-year course includes the following topics: Marketing, Business Ethics and Issues, Entrepreneurship, and Customer Service. Students will have the opportunity to recognize that business skills and abilities are essential in today’s fast-changing society. Students will have an understanding how their personal and professional lives are affected by today’s business world. Students will demonstrate leadership skills, participate in real-world business situations and communicate in group activities.

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. Students will earn a pass/fail grade. It will meet during the school day for a full period.

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 IA – 256 – GRADES 9/10/11/12 – This course is a study of basic French grammar, vocabulary and culture. Students will complete one half of the French I curriculum and will have access to many multimedia materials to enhance to listening, reading, speaking and writing activities. This course is designed for the student who wants to study a foreign language at a slower pace. All students will be encouraged to participate in the French Club activities as listed in the French I.*

FRENCH IB – 257 – GRADES 10/11/12 – (Prerequisite French IA) – this course is a continuation of French IA. The second half of the French I curriculum will be presented. As in French IA, this class is for students who would like the language taught at a slower pace. All students will be encouraged to participate in the French club activities listed in the French I 258.*

*French IA and French IB take two years to complete, one year for IA and one year for IB, and are equal to French I at the end of the two years.

FRENCH I – 258 – GRADES 9/10/11/12 – French I is a language course designed for the college bound student. This class will be a comprehensive study of the basic grammar and vocabulary of the French language with practice in listening, comprehension, speaking, and simple reading/writing exercises. Contemporary aspects of French culture are introduced through dialogues and narratives. Included in cultural studies are French foods, French life, Paris, other French speaking countries and French holidays. Students are encouraged to participate in the activities of the French Club such as National French Week, Mardi gras celebration, Foreign Language Week, French foods day, as well as a French play. This course, as well as all the French classes, is taught integrating advanced technology, such as the use of on-line textbooks and workbooks, on-line interactive activities (for individual speaking skills), and power point presentations.

FRENCH II – 259 – GRADES 10/11/12 – French II is a continuation of French I. It includes grammar, vocabulary, practice in listening comprehension and speaking, and reading/writing exercises of increasing length and complexity. Current aspects of French life are presented through basic conversation and the reading selections. Culture study includes the study of and preparation of regional French foods and the geography of France and worldwide Francophone nations. Students are encouraged to participate in French Club activities as described in French I with the addition of a Philadelphia Museum trip. Again, technology is emphasized.

FRENCH III – 260 – GRADES 11/12 – French III is an extension of French II with grammar and vocabulary being more advanced. There is an emphasis on speaking and comprehension. The reading/writing selections, which continue to stress contemporary aspects of French life, introduce up-to-date vocabulary and slang. Students are also able to participate in many interesting projects such as teaching French in the elementary schools. Technology is integrated into the curriculum. Students are encouraged to continue participation in French Club activities as listed in French I with the addition of a NYC trip.

FRENCH IV – 261 – GRADE 12 – French IV is the culmination of the first three years with emphasis on higher level speaking skills, comprehension, practical application and increased independent reading/writing assignments. The curriculum continues to stress contemporary aspects of French life, French heritage and French cuisine. Students will be able to participate in projects including teaching French at the elementary schools. French Club activities as described under French I. Eligible students will be invited to join the National French Honor Society.

SPANISH IA – 248 – GRADES 9/10/11/12 – Spanish IA is a new class being offered that will provide an introduction to the language and culture of the Spanish –speaking world. This class is designed for the student who would like to learn Spanish but may find the college prep Spanish I class too fast paced. Topics will include family, friends, school, and sports, all focusing on learning to converse in the Spanish language and to better understand the Spanish culture. Students will be encouraged to participate in all Spanish club activities as listed in Spanish I.

SPANISH IB – 249 – GRADES 10/11/12 - (Prerequisite Spanish IA) – Spanish IB will

be the second half of Spanish IA. These 2 classes will be completed over a two year period. As in Spanish IA, this class is designed for the student who is interested in studying Spanish but would like more hands-on activities in a class taught at a slower pace. Topics include food, clothing, shopping, daily routine, holidays, and travel. Technology will enhance the student's skills of speaking, listening, reading and writing. All students will be encouraged to participate in the Spanish club activities.

SPANISH I – 250 – GRADES 9/10/11/12 – Spanish I provides an introduction to the language and culture of the Spanish-speaking world but at an accelerated pace. This class is intended for the college prep student and will cover all the Spanish IA and IB material in one year. 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. Spanish I students become members of the Spanish Club which sponsors trips to New York City, to Spanish restaurants, to see Spanish plays, to Mexico and Spain. Included in the culture are activities related to Hispanic Heritage month, Christmas, and Foreign Language week such as the Latino Talent Show. 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 Club sponsors trips to New York City, Mexico, and Spain. Students also participate in activities related to Christmas, El Carnaval, Dia de los Muertos, Foreign language week, and Cinco de mayo.

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, internet use as it relates to Spanish culture, and teaching Spanish in an elementary school program. 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 4 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. Activities include trips to Spain, Mexico, New York City, and to see Spanish plays. Students also participate in activities related to Spanish holidays, Hispanic

Heritage month, and foreign language week.

LATIN 1 -262- GRADES – 9/10/11/12 – This course introduces the student to the fundamentals of the Latin language. An emphasis is placed on the mastering of grammatical constructions in both English and Latin. Along with the study of the Latin language, the student will also study the Roman and Greek cultures, allowing the student to understand the impact of these cultures on our western history. By the end of Latin I, the student will come to appreciate our modern American ties to the ancient Romans. This course is offered every other year. It is offered again in the 2008/2009 school year.

LATIN II - 263 - GRADES – 10/11/12 – This course begins the student’s studies at the intermediate level. The student will begin to understand the more complex constructions of the Latin language. Corresponding to this study, the reading of Julius Caesar’s Gallic Wars will provide a background to Latin grammar, Roman culture, and Roman history. By the end of Latin II, the student will have mastered the majority of Latin constructions and furthered his or her knowledge of the Roman culture. This course is offered every other year. **It is offered in the 2007/2008 school year.**

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.

ALGEBRA I - 035 - (See course description under course 301) This course taken in 8th grade does not count toward the 25 graduation credits or the math requirements for graduation.

ALGEBRA I A - 300 – This class is intended for the student needing Algebra at a slower pace. Applications, connections and integration of algebraic methods form the basis for this course. Equations are the key concept of the course; they are solved with algebraic methods, proportional reasoning and also graphed. Integrated topics from statistics, probability, and geometry are included throughout the course.

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, absolute value equations, and quadratics are soon added. These are followed by corresponding inequalities. 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, polynomials, factoring and rational expressions. Matrices are used throughout the year. Topics in statistics and probability are included throughout the year. Problem solving skills and real world connections are integral parts of the course.

ALGEBRA I B - 302 –After completing the Informal Geometry course, students return to finish the remaining Algebra I topics. Following a review of the previous algebra course, systems of linear equations and inequalities will be solved. Numerous mathematical models are included in all units. Polynomials will be explored; methods of factoring and the use of quadratic and exponential functions are covered next. The remaining topics look at rational expressions, radicals, and their related equations.

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, right triangles and basic trigonometry concepts 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.

INFORMAL GEOMETRY - 307 - This course follows Algebra I A. This is not considered a college prep course. The geometric concepts developed in this course include lines, quadrilaterals, similarity, circles, and right triangles. The basic trigonometric functions will be defined and developed for right triangles. Areas and volume of spatial figures will be calculated. Graphs in the coordinate plane complete the course. There is a strong emphasis in this course on developing problem solving skills and real world connections.

HONORS ALGEBRA II – 314 – Any student wishing to take Honors Algebra II must maintain at least an 84% average in both 8th grade Algebra I and Honors Geometry.

HONORS TRIGONOMETRY – 316 – Any student wishing to take Honors Trigonometry must maintain at least an 84% average in Honors Algebra II.

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. Algebraic derivatives and their application follow, with graphing concepts emphasized. Integration and its application, along with logarithmic, exponential and trigonometric functions 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.

APPLIED MATH I – 315 – This year long course will be offered to 9th grade students who display an interest in vocational preparation and education. Students who anticipate enrolling in the Susquehanna County Career and Technology Center or the School-to-Work Program should enroll in this rather than Algebra IA. Curriculum will follow the CORD Vocational Math Curriculum. **THIS COURSE OFFERED EVERY OTHER YEAR.** This course will be offered again in the 2008/2009 school year.

APPLIED MATH II – 315 – This year long course will be offered to those students who successfully completed Applied Math I. Students who anticipate enrolling in the Susquehanna County Career & Technology Center or the School-to-Work Program should enroll in this course. Curriculum will follow the CORD Vocational Math Curriculum. **THIS COURSE OFFERED EVERY OTHER YEAR. This course is offered the 2007/2008 school year.**

SAT/PSSA PREP COURSE/SPEECH COMPOSITION – 318 – GRADE 11 – As a mandatory course taken by all 11th grade students, this course will prepare students for the Pennsylvania System of School Assessment (PSSA). Lessons and guided instruction will review the Pennsylvania Academic Standards via multiple choice and open-ended questions similar to those given on the PSSA. Test taking strategies will also be discussed. Topics of numbers and operations, measurement, geometry, algebraic

concepts, data analysis and probability will be covered. Also, work on MLA for research papers including the senior project and a speech component for public speaking .

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, Chemistry, and Physics. Advanced Physical Science will meet the Chemistry and Physics requirements for those students who opt to not take separate courses in Chemistry and 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.

COLLEGE PREP 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.

GENERAL EARTH SCIENCE-401-GRADE 9 - This course covers the same topics as CP Earth Science, but is designed for the non college bound student.

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 pre-school 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 taken by students after the successful completion of a first course in high school biology and one in chemistry as well. A.P. Biology 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. This 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. Students will develop important skills such as detailed observation, data interpretation and operation of technical equipment. Exception will be given to juniors who have obtained an overall **average of 91 or higher** in C.P. Biology. At the culmination of the course, students will be prepared to sit for the A.P. Biology Examination.

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.**

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

COMPUTER SCIENCE

INTRO TO COMPUTER PROGRAMMING AND WEB DESIGN – 414 – GRADES 10/11/12 – This course teaches the fundamental concepts of web design and development as well as web programming. The class will begin with an overview of the internet and how it works, then discuss the special considerations when designing for the web vs. print. Students will learn to program for the web using HTML and become familiar with peripherals such as the digital camera and scanner. HTML topics will include: formatting tags, working with color and inline images, tables, frames, and forms. Class exercises will include guided practice as well as student-driven web site development.

COMPUTER SCIENCE I – 411 – GRADES 10/11/12 – This course will provide an overview of Computer Science ranging from the history of computers to emerging technologies. Specific topics include: computer hardware and peripherals, operating systems, networks, data and file structures, security, programming and the internet. Emphasis will also be placed on: current

topics in computer science, an introduction to computer programming, and how computers impact business and every-day life. Students should have proficiency in Algebra and an aptitude for problem-solving.

COMPUTER SCIENCE II – 412 – GRADES 11/12 – (Pre-requisite: Computer Science I)

This course is applicable to any student in grades 11 or 12 who have successfully completed Computer Science I. This 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 while programming with C++. Additionally, the course will survey JavaScript and HTML in the design and construction of web pages. Students are expected to work as a team in a business-like atmosphere.

COMPUTER REPAIR – 211 – GRADES 10/11/12 - This course is designed as a preparation course for the A+ certification exam. The course has an emphasis on computer hardware. Students will learn how the computer functions. They will learn how to maintain and upgrade a computer, and how to troubleshoot computer problems. The course is taught in both virtual and hands-on setting. Operating systems and some software will also be covered.

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 AND ENVIRONMENTAL EDUCATION - 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 – The Psychology instructor’s recommendation is required to take this course in 11th grade. As an 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 Brain 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 45-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.

CREATIVE ARTS – 068-GRADE 8 – An elective survey course for students to become familiar with 1 area of Tech Ed, study/social skills development and career development. Possible projects in the Tech Ed area may include CO2 dragsters, and/or clocks.

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, digital photography, 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 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. 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 7 - A 45 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.

INTRODUCTORY FOODS AND NUTRITION - 651 - GRADES 10/11/12 - A course designed to cover basic food preparation, nutritional values of food and how they are used in the body, kitchen safety and managing food dollars. The course is designed to help students make wise choices about food and nutrition for the rest of their lives.

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.

LIFE SKILLS - 657 - GRADES 11/12 – This course is designed to prepare students for living on their own whether it be in college or the workplace. Practical topics include: checking accounts, credit cards, personal budgets, insurance, housing choices, job applications and interviews. Interpersonal topics include conflict resolution, time management, and life style changes and are integrated in the course; also, establishing and reaching goals. **THIS COURSE IS OFFERED EVERY OTHER YEAR.** This course will be offered again in the 2008-2009 school year.

ADVANCED CHILD DEVELOPMENT – 655 – GRADES 11/12 – This is the sequential course for Child Development. It is designed for students who are considering a career working with children (elementary education, pediatric nursing, social work, day care, etc). **THIS COURSE IS OFFERED EVERY OTHER YEAR. This course is offered in the 2007/2008 school year.**

WOMEN'S ISSUES - 658 - GRADE 12 - This course is designed to address current topics of concern to women. Included are: the female reproductive system, dating and interpersonal relationships, health issues (eating disorders, STD'S, cancers), depression and suicide, the management of stress, time and finances and many more.

ADVANCED FOODS- 652- GRADES 11/12 - This course is a follow up to Introductory Foods and Nutrition. Students will explore international cuisine, careers in the field, nutritional science and advanced skills in food preparation.

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.**

COURSE #		GRADE		COURSE #	
070	BOYS	GRADE 7		071	GIRLS
072	BOYS	GRADE 8		073	GIRLS
700	BOYS	GRADE 9/10		701	GIRLS
702	BOYS	GRADE 11/12		703	GIRLS

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. Students are required to play for graduation.

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 2008/2009 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 2007/2008 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 MIDI, sequencing, digital audio and other applications. 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 8 - A 45-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 – This course will consist of work based on the Elements of Art: line, shape, value, texture and color and on the Principles of Design: repetition, contrast, unity, movement, rhythm and balance. A wide variety of materials will be used including both two and three dimensional mediums. This course also explores art history, aesthetics and criticism. 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.

ART 2 - 851 - GRADES 10/11/12 – (Pre-requisite Art 1) This course 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 materials will be used. Possible choices for coursework can include drawing, painting, printing, ceramics, sculpture and computer design.

ART 3 - 852 - GRADES 11/12 – (Pre-requisite Art 2) In the third year of the art curriculum, students are given opportunities to develop their artwork on a more individual basis. More time is spent experimenting with advance techniques and materials before final projects are started. Students who plan on attending college for art will begin to prepare work for their portfolios.

ART 4 - 853 - GRADE 12 – (Pre-requisite Art 3) This course is designed for seniors to explore advanced concepts in the visual art experience. Each student will be able to choose the materials and techniques used for their course work. Students who plan to attend college for art will finish preparing their portfolios.

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	Cosmetology
Building Trades I	Building Trades II
Food Management, Production and Services	

COOPERATIVE VOCATIONAL EDUCATION PROGRAM

CO-OP EDUCATION – 901 – GRADES 11/12 – One credit for the co-op class alone. Class meets 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 – 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.

TRANSITION AND CAREER EDUCATION PROGRAM

PASS (Paths to Achieving Success in School & Society)-068-GRADE 08- This course teaches students skills that help them problem solve (social, professional, and personal problems), communicate effectively, work on a team, lead, and attain employment. The PASS curriculum not only meets these needs but the state standards for career education and work at all the grade levels.

PASS+ - 915- GRADE –9/10/11/12 – This course would help students transition into the real world with life skills, pursuing secondary education, and employability skills. Students would be better prepared to handle issues in and out of schools. All four areas in the Career Education & Work state standards would be addressed.

MATHEMATICS SEQUENCES

The following sequences are the normal patterns of courses. Sequence #1 is the most challenging and #4 is the least challenging. Students may move to the right if experiencing difficulty.

Grade	Sequence #1	Sequence #2	Sequence #3	Sequence #4
7	Math 7	Math 7	Math 7	Math 7
8	Algebra I	Math 8	Math 8	Math 8
9	Honors Geometry	Algebra I	Algebra I A	Applied Math I
10	(a) Honors Alg. II (b) Algebra II	Geometry **	(a) Informal Geometry (b) Algebra I *	Applied Math II
11	(a) Honors Trig. (b) Trig/Adv Math	Algebra II **	(a) Algebra I B (b) Geometry *	Informal Geometry

12	(a) A. P. Calculus (b) Calculus (b) Statistics	(a) Trig/Adv Math (b) Statistics (b) Alg. 3/Basic Trig.	(a) Algebra 2 (b) Algebra II (b) Algebra 2	(a) Algebra I A (b) Algebra I *
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* 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	Sequence #1	Sequence #2	Sequence #3
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 Biology	Biology	Biology
11	Chemistry	Chemistry	Adv. Physical Science
12	AP Biology Physics	Adv. Physical Science	

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	A. P. English 11	C.P. English 11	English 11

12	A. P. English 12	C.P. English 12	English 12
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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.