

***MILTON AREA
SENIOR HIGH SCHOOL***

**COURSE DESCRIPTIONS
For 9th Grade**

2010-2011
Revised 10/19/09

Graduation Requirements

Graduation from Milton Area Senior High School, which is accredited by the Pennsylvania Department of Public Instruction and Middle States Association, must be in accordance with the Graduation standards established by the State Department and the local Board of Education.

All students must satisfactorily complete a graduation project as a requirement for Graduation from the Milton Area School District. The project process begins in the ninth grade and must be completed by the beginning of the senior year. This project requires that the student demonstrate the ability to apply, analyze, synthesize and evaluate information and to communicate specific knowledge and understanding.

Graduation shall be based on the total number of 28 credits earned within a four-year sequence consisting of ninth, tenth, eleventh and twelfth grades.

The required number of credits for each content area is as follows:

CONTENT AREA	NUMBER OF CREDITS
English	4
Mathematics	4
Science (Life & Physical Required)	4
Social Studies	3
Health	½
Career Exploration	½
Computer and Information Technology	½
Physical Education	2
Arts and Humanities	2
Interdisciplinary Studies	2
Additional Elective Courses	5 ½
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All students are recommended to schedule at least 7.0 credits each year.

Homeroom Assignment

The following criteria will determine homeroom/grade level placement:

10th Grade – a minimum of 5 credits earned one of which must be in English or Math.

11th Grade – a minimum of 13 credits earned three of which must be in English and/or Math.

12th Grade – a minimum of 20 credits earned and the ability to meet all requirements for graduation.

Courses which count as credits under the Arts and Humanities area include:

Art:	All Art Classes
Computer/Tech Ed:	Intro to Computer Graphics & Multi-Media, Programming, Adv. Prog. CIT 160, Prog. in C++ and HTML, Prog. in Visual Basic, Intro to Adobe Photo Shop, Desktop Pub., Adv. Pub. & Design, School Publications & Journals
English:	Journalism 1, Advanced Composition, Creative Writing
Family & Consumer Science:	Intro to FCS, Sewing Basics, Food for Today, Creative Cooking, Regional & Foreign Foods, Child Development, Family Living, Sewing Basics 2, Clothing, Society & the Fashion World
Modern/Foreign Language:	All French, Latin, Spanish classes
Theater Arts/Music:	Theater Arts 1, Band, Choir, Guitar, Music Appreciation, Music Theory
Tech Ed:	Intro to Woodworking, Woodworking 1, 2, 3, Mechanical Drawing 1

Courses which count as credits under the Interdisciplinary Studies area include the following:

Business:	Accounting, Business Law, Intro to Business, Financial Management, Marketing Management, Sports & Entertainment Management
Computer:	Intro to Computer Graphics & Multi-Media, High Tech Lab 1, 2, 3, Adv. Pub & Design, School Pub & Journals, Desktop Publishing, Computer & Information Technology, Word Processing, Adv. Word Processing, Business Technology Online, Computer Apps., Intro to Web Page Development
Physical Education/Health:	Outdoor Education, Anatomy & Physiology 1, 2, Applied Principles Physical Education
English:	Journalism 2, 3
Social Studies:	Economics, Psychology

Tech Ed:	Home Repair, Woodworking 1, 2, 3; Rx for the Automotive Consumer; Mechanical Drawing 2, 3
Other:	Career Exploration, Beyond the Horizon, Drafting 1, 2, 3; Building Trades 1, 2, 3; Machine Technologies 1, 2, 3; Early Childhood 1, 2, 3, ESL, Auto Technology 1, 2, 3, Health Related Occupations 1, 2, 3, Diversified Occupations 1, 2, Co-Op
Science:	Environmental Science 1, 2
Theater Arts/Music:	Theater Arts 2, 3, Vocal Techniques
Family & Consumer Science:	Intro to Foods

COURSE WEIGHTING

All college preparatory courses (designated A) will be weighted at 1.03. All Honors courses (designated H) will be weighted at 1.05 and all Advanced Placement courses will be weighted at 1.07. Weighting will be used to compute students' grade point average and class rank.

TRANSFERRING OR DROPPING A COURSE OF STUDY

Guidelines:

All requests for transferring or dropping a course are to be made no later than the following deadlines:

English, Science, Mathematics, and Social Studies Courses - within the first four weeks of the class.

Students requesting a schedule change during the stated time line must complete a Schedule Change Request form detailing the reason for the requested change in schedule. The student's parent/guardian and guidance counselor must sign this form indicating support for the requested change.

Definitions:

Dropping a Course of Study - student withdraws from a class and receives no grade or credit if request is made within the stated time line.

Example: student drops Spanish I because of academic difficulty.

Transferring to a New Course of Study -student changes class assignments but stays in the same academic field.

Example: student transfers from Algebra I to Applied Algebra I Part A.

Any student who drops a course of study within the stated time line will not receive *any grade or credit* for the time spent in the course.

Any student who transfers to a new course of study will transfer his/her percentage grades to the new course of study. These grades will be averaged with the grades obtained in the new course.

Transferring to a new course or scheduling a new course is contingent on available room in the course and the guidance department being able to make the necessary credit assignments. Some courses of study are very sequential with class assignments relying heavily on information presented in earlier classes. This circumstance may make some change requests impractical and thus not granted.

Any request for dropping a course beyond the stated time line must have the approval of the Principal. If a student is failing at the time of the request and the request is granted, the student will receive the failing grade for the remaining marking periods of the school year. Athletic eligibility will not be considered a valid reason for dropping a course of study. The failing grade will only be removed from the student's permanent record if the request to drop the class is based on a documented medical or psychological reason.

All regular education students are recommended to schedule at least 7.0 credits.

English Courses

118 Technical English 9

Gr. 9

Technical English is designed for students who plan to enter technical career fields, associate degree programs, or 1-2 year post secondary technical education. This course is based on the premise that additional formal education will occur following high school. Emphasis is placed on technical writing, speaking and vocabulary skills, with a continued emphasis on career related literature. This course meets every day for one year (1 credit).

696 English 9 LS

Gr. 9

This course is designed to develop skills necessary to be an effective communicator in every day life. Skills that are emphasized include effective writing, expanding vocabulary, and developing listening skills. Contemporary novels and short stories are used in this course to help develop these skills. This course meets every day for one year (1 credit). **This course must be scheduled through the IEP Process.**

690 English 9A

Gr. 9

This is a comprehensive college preparatory class designed to prepare students in the areas of grammar, spelling, vocabulary, literature, and writing. Emphasis is placed on interpretation of four types of literary genres: the short story, novel, play, and epic poem and learning the literary terms associated with these genres. The focus in writing is placed on the process of improving paragraphs and essays. This course is designed to prepare you for a four year college or university. This course meets every day for one year (1 credit).

Math Courses

323 Applied Algebra 1 - Part A

Gr. 9

This course is designed for students who plan to enter technical career fields, associate degree programs, 1-2 year post secondary technical education, or the work force immediately following high school graduation. This course will enable students to connect and apply concepts in algebra to everyday life. Reinforcement and application of basic mathematical skills to technical fields and the use of math in the workplace will be emphasized. This course meets every day for one year (1 credit).

327 Algebra 1 Extended A

Gr. 9, 10

This course is designed for the student who has completed Algebra 1 but whose final average was below 83%. The emphasis will be on reviewing, reinforcing, and expanding on the algebraic concepts taught in Algebra 1 and on an introduction to geometric concepts and problems. More involved problems and application of concepts will be presented. The goal is to give the student a more in depth understanding of mathematical concepts so success in higher-level academic math courses can be obtained. This course meets every day for one year (1 credit). **Pre-requisite - Algebra 1 course with a final average of 82%-65%.**

304 Pre-Algebra 1 Part A LS

Gr. 9, 10, 11, 12

This class is the first part of a two-part program for pre-algebra. This class is for students who need more instruction in mathematics before entering a formal algebra program. Basic concepts of mathematics are used to teach algebra concepts in a step-by-step approach. This section emphasizes solving algebraic equations involving rational numbers, decimals, fractions, percents, ratios, and proportions. Positive and negative integers are also evaluated. This course meets every day for one year (1 credit). **This course must be scheduled through the IEP Process.**

321 Algebra 1 A

Gr. 9

This course is designed to have students think and work in a systematic manner in order to arrive at a logical conclusion. It will show students how mathematics applies to other subjects. The relationship of their mathematics studies to life-supporting occupations will be stressed. Students will realize the importance of mathematics to everyday personal and family living. Algebra 1 will continue to help the students acquire basic skills and to show application to other subjects. This course meets every day for one year (1 credit).

311 Geometry A**Gr. 9, 10, 11, 12**

Geometry is a mathematics course designed to give students an in-depth study of measurements, properties, and the relationships of points, lines, angles, surfaces, and solids. Special emphasis will be placed on the nature of proof and students will experience writing proofs in two-column form. The learning of theorems, postulates, definitions, and vocabulary is essential. This course meets every day for one year (1 credit). **Recommended Pre-requisite - Minimum grade of 83% in Algebra 1.**

Science Courses

201 Conceptual Integrated Science**Gr. 9**

This course is designed to give students a foundation in the four general areas of science: Earth Science, Biology, Chemistry, and Physics. Students will use a variety of resources including lab investigations, computer models, and computer applications to enhance their environmental awareness and basic scientific principles. Topics to be investigated include climate changes, biological functions, the nature of matter and energy, and environmental conservation. This course meets every day for one year (1 credit).

208 Earth and Space Science A**Gr. 9**

This course provides an introduction to the study of the composition, structure and processes of the earth, its geologic history, and its place in the universe. The four major branches of earth science that are studied are geology, meteorology, oceanography, and astronomy. The purpose of this class is to prepare students for science work in a four-year post-secondary school and a college preparatory approach to the content is used in the class. This course meets every day for one year (1 credit).

209 Applied Earth and Space Science**Gr. 9**

This course provides an introduction to the study of the composition, structure and processes of the earth, its geologic history, and its place in the universe. The four major branches of earth science that are studied are geology, meteorology, oceanography, and astronomy. The purpose of this class is to prepare students for science work in a two-year post-secondary school and a hands-on approach to the content is used in the class. This course meets every day for one year (1 credit).

223 Biology 1 A**Gr. 9, 10**

This course is designed for students expecting to complete formal education after high school. The following areas are covered: cellular biology, heredity and genetics, molecular biology, evolution, plant structure and function, zoology, taxonomy, and ecology. In each, area the students are made aware of the interrelationships that exist within the living world and life's dependence on the nonliving one. This course meets every day for one year (1 credit). **Pre-requisite - enrolled in Geometry.**

241 Earth Science LS**Gr. 9, 10, 11, 12**

Learning Support Earth Science includes geology, meteorology, paleontology, oceanography, and astronomy. The class will examine in detail the structure of the Earth, its place in the universe, and its surface. The class will also examine processes in and on the Earth, the layers of the atmosphere, the causes of different kinds of weather, how climate differs from weather, and geologic time and the history of the Earth. This course is designed to provide basic science skills at appropriate reading levels with materials adapted and modified to meet the individual needs of identified students. This course meets every day for one year (1 credit). **This course must be scheduled through the IEP Process.**

Social Studies Courses

291 U. S. History 1 or 290 U. S. History 1A

Gr. 9

This is a survey course that traces American History from the French and Indian war, and the Revolution through the construction of the government. The War of 1812, Manifest Destiny, and the Civil War through 1877 are covered in this course. This course meets every day for one year (1 credit). **A class notebook is required for this course. (1A is Academic Weighted).**

294 U. S. History 1 LS

Gr. 9

This course is a survey that traces the development of the United States from the beginning days of the colonies to the time of the Civil War. Significant documents and events from this time period will be reviewed and examined for their impact on our society today. This course meets every day for one year (1 credit). **This course must be scheduled through the IEP Process.**

Physical Education

889 Physical Education 1 (9)

Gr. 9

Physical Education 1 prepares students for participation in team sports with an emphasis on class participation, fitness, team cooperation, and sportsmanship. Some activities included in the program are volleyball, basketball, softball, and badminton. This course meets every day for one semester (1/2 credit).

921 Adaptive Physical Education

Gr. 9, 10, 11, 12

Adaptive Physical Education is a diversified program for students whose physical limitations restrict their participation in the vigorous activities of the general physical education program. This program presents the students with developmental activities, sports, games, and rhythms suited to the interest and capabilities of each individual student. Identification and assignment of students for this program is done through the combined effort of the program instructor, school nurse, guidance counselors and building principal, and physician's recommendation. This course meets every day for one semester (1/2 credit).

831 Outdoor Education

Gr. 9, 10, 11, 12

This course is designed for the student who has an interest in the outdoors or the student who wants to develop that interest. Outdoor Education will cover a broad topic of activities and skills used in the outdoors. We will be participating in archery, bicycling, golf and cross country skiing weather permitting to name a few. The class will also learn about team building, camping, backpacking, maps and first aid. The goal of this class is to interest students in activities that they can use for their entire life and enjoy the world around us. This course meets every day for one semester (1/2 credit). **Class size limited to 15.**

OTHER REQUIREMENTS

(all 9th grade students are required to take this course)

399 Career Exploration

Gr. 9

This is a **MANDATORY** class for all 9th grade students. The primary focus of the course is to complete the 9th grade requirements for the Career Focused Graduation Project. Students will complete assessments to identify their interests, values, and basic skills with regard to work. Occupations that match assessment results will be identified. Students will learn about the global economy, labor market trends and how the world of work is changing. Students will learn to research occupations using a variety of resources. This course meets every day for one semester (1/2 credit).

ELECTIVES

Art Courses

841 Introduction to Art

Gr. 9, 10, 11, 12

This course is designed as an introduction to most of the other courses offered in the art program. Successful completion of this course is required for advancement to other art courses. In this course students will develop fundamental skills in the following areas: drawing, design, pottery, sculpture, painting, and career opportunities in the field of art. Class projects, homework, tests, and participation will be used for evaluation. This course meets every day for one semester (1/2 credit).

847 Crafts

Gr. 9, 10, 11, 12

This course emphasizes the creation of handmade items. Students will create works according to the American Craft Council's division of crafts. In class projects, reference file/journals, critiques, and tests will be used for evaluation. This course meets every day for one semester (1/2 credit).

839 Drawing

Gr. 9, 10, 11, 12

This course is designed to provide students with an introduction to a variety of drawing media, techniques, and concepts. Class projects, homework, tests, and participation will be used for evaluation. This course meets every day for one semester (1/2 credit). **Pre-requisite - Successful completion of Intro to Art.**

800 Digital Photography

Gr. 9, 10, 11, 12

This course will focus on how to take a photograph that is compositionally correct, focusing on the elements and principles of design, and implementing that knowledge into photographs of Landscapes, Portraits, Photojournalism, and Abstraction. This course will also focus on self critiquing as well as peer critiquing in order for the students grow artistically as photographers. The students will build a solid digital portfolio of Landscapes, Portraits, Photojournalistic and Abstract works, using Photoshop as a primary means for altering photographs and applying personal creativity. Therefore it is recommended that the students have taken or are currently taking Photoshop class. Requirements: personal digital camera, jump drive (if needed). Students who have previously taken black and white photography, may still take digital photography (1/2 credit).

849 Pottery

This course includes studio work in hand building and wheel throwing techniques. Hand built techniques of pinch, coil, and slab will be covered. Historical and cultural aspects of pottery will be discussed. In class projects and participation will be used for evaluation. This course meets every day for one semester (1/2 credit).

Business Courses

520 Computer and Information Technology (CIT)

Gr. 9, 10, 11, 12

This course begins with a brief introduction to proper key reaches. Students will then develop skills in using Microsoft Office 2007—Word, PowerPoint, Excel, and Publisher. Students will also learn about digital citizenship—proper and safe behavior with regard to technology use. Finally, students will be exposed to various Web 2.0 tools and the dynamic, shareable, and collaborative content of the World Wide Web. This course meets every day for one semester and is a required technology course to graduate. Students pursuing a business career should take this course in 9th grade (1/2 credit).

543 Word Processing

Gr. 9, 10, 11, 12

This course is designed to expand on techniques and skills already learned in Keyboarding and Computer Concepts. Instruction is given on preparing business letters, tables, reports, and all types of forms from straight, statistical, and rough draft copy. Students will continue to develop speed and accuracy. This is a valuable course for all students. This course meets every day for one semester (1/2 credit). **Recommended Pre-requisite - 80% in Computer and Information Technology.**

Classical/World Language Courses

721 French 1 A

Gr. 9, 10, 11, 12

French 1 is the basic introductory course of a four-year sequential program. The student learns to listen to, speak, read and write everyday French. Every student has a textbook and a writing activities book/tape manual. Tapes featuring native speakers are used in class. This course integrates the above-mentioned language skills with French and francophone culture. There will be a minimum of three quizzes, one test and one oral presentation grade per chapter. In addition, there will be written and/or oral performance assessments at designated intervals. Homework will be given and checked. Class participation and successful completion of TPR (Total Physical Response) tasks will also be factored into the grade each nine weeks. This course meets every day for one year (1 credit).

731 Latin 1 A

Gr. 9, 10, 11, 12

In Latin 1 the student is introduced to Latin vocabulary, elementary grammar, classical pronunciation, translation skills, Roman civilization, and English word derivation. The main emphasis of this course is on translation through the use of grammar skills and knowledge of vocabulary. The major points of grammar which the student learns are nouns and their cases, the indicative verb tenses, infinitives, imperatives, and adjectives and adverbs. A secondary, but important emphasis is placed on "carryover" benefits of the study of Latin: better understanding of English grammar and vocabulary, analytical thinking, history and culture of another civilization, and ancient mythology. This course meets every day for one year (1 credit).

710 Conversational Spanish

Gr. 9, 10, 11, 12

Conversational Spanish is a course designed to teach the student common vocabulary and phrases used in everyday situations. This course also allows the student to experience the language and decide if continuing to a higher level is right for them. The emphasis is placed on pronunciation and comprehension more so than spelling and grammar. This course cannot be taken once another Spanish course has already been completed. This course is designed for non-native Spanish speakers. This course meets everyday for one semester (1/2 credit).

711 Spanish 1 A

Gr. 9, 10, 11, 12

Spanish 1 is a course that introduces the student to the structure of the Spanish language. Culture is also incorporated throughout the year. Instruction is presented in both Spanish and English. This course uses a variety of resources including a textbook to help the student master basic concepts of the Spanish language. Students learn about various Spanish-speaking countries, vocabulary, grammar, and culture. Approximately six chapters are covered in the program along with varied outside activities. This course is designed for non-native Spanish speakers. This course meets everyday for one year (1 credit).

Computer/Tech Ed Courses

850 High Tech Lab 1 A

Gr. 9, 10, 11, 12

This is an introductory course dealing with computer graphics, multimedia, and industrial applications of computers and technology. Students interested in technical careers, engineering, design, computer graphics and/or multimedia would benefit from the areas of study offered in this class. Throughout the course, students work independently on assignments covering different areas of study. Areas of study include: Video editing, Visual Basic Programming, 2D and 3D animation, 2D CAD, 3D modeling, robotics, pneumatics, programmable logic controllers (PLC's) Basic DC electricity/electronics, digital electronics, and computer numerical control (CNC). Students are expected to work independently, read, follow instructions, and use technical manuals. Grades are based on completing required class assignments, tests, and daily productivity. This course meets every day for one semester (1/2 credit).

870 Introduction to Adobe Photoshop A**Gr. 9, 10, 11, 12**

Adobe Photoshop is a powerful application for color painting, photo retouching, and image editing. This program is commonly used by graphic designers, multimedia specialists, videographers, and Webmasters to create compelling images for print and/or electronic distribution. This class will cover image basics, Photoshop's work area, modifying images with selection tools, how to work with layers, masks and channels, photo retouching, pen tool techniques, creating special effects, along with how to use printers, scanners and digital cameras. Grades for this course will be based on completing required class assignments, tests and daily productivity. This course meets every day for one semester (1/2 credit).

871 Programming in C++ and HTML A**Gr. 9, 10, 11, 12**

The class will give the student an overview to the basic principles of programming and is recommended to any student wishing to seek a computer science degree in post-secondary school. To achieve this overview, the instructor will make use of the following computer languages: C++ and HTML. Students will be expected to acquire a working knowledge of machinery, the C++ and HTML computer languages and write various programs. Career options, software, evaluation, and a historical overview will be presented throughout the semester. This course meets every day for one semester (1/2 credit). **Pre-requisite – completed Algebra 1 with a grade of at least 75%.**

888 Programming in Visual Basic A**Gr. 9, 10, 11, 12**

The class will give the student an overview to the basic principles of programming and is recommended to any student wishing to seek a computer science degree in post-secondary school. To achieve this overview, the instructor will make use of the following computer language: Visual Basic. Students will be expected to acquire a working knowledge of machinery, visual basic computer language and write various programs. Career options, software, evaluation, and a historical overview will be presented throughout the semester. This course meets every day for one semester (1/2 credit). **Pre-requisite – completed Algebra 1 with a grade of at least 75%.**

872 Desktop Publishing A**Gr. 9, 10, 11, 12**

This class will introduce the workings of a Macintosh computer and the application of desktop publishing software. The course will focus on two pieces of software: Adobe InDesign and GoLive. InDesign will be used to create and publish printed materials. GoLive will be the tool for creation of electronic media. Students will learn about production of published materials such as brochures, magazines, journals, yearbooks, and web pages. Students will also be instructed in the operation of a scanner and digital camera, and how to place captured graphics into documents. Some PhotoShop skills will be introduced along with the incorporation of multimedia in web pages. This course meets every day for one semester (1/2 credit).

886 Introduction to Computer Graphics & Multi-Media A**Gr. 9, 10, 11, 12**

Introduction to Computer Graphics & Multi-Media is an instructor led survey course designed to spark interest in various computer software and prepare that student for advanced study in High-Tech Lab 1. Students will work on numerous pieces of software for a period of 3 to 4 weeks giving the student the opportunity to study 5 to 6 pieces of software. Course content emphasis is on graphics for print and QuickTime multimedia. Topics include 2D and 3D graphics, animation, multimedia construction, video editing, website construction, and current computer topics. Students will use Macintosh computers. This course meets every day for one semester (1/2 credit).

ENGLISH

882 Journalism 1 A**Gr. 9, 10, 11, 12**

Journalism 1 is designed to familiarize students with all phases of newspaper reading and writing as well as to provide a service to the school and community by publishing their own school newspaper. Students are taught to communicate, understand, and respect the written word through the media of newspapers. Specifically, they learn the theory and practice of newspaper writing and evaluation in the areas of news, sports, features, and editorials. The total production of their own school newspaper including planning, writing, editing, photographing, advertising, laying out, gives them practical application of the skills which they are taught. As time permits, students learn design and computer layout of pages. This course meets every day for one year and also demands many out of class hours on the part of the student (1 credit). **Recommended pre-requisite or current enrollment in Desktop Publishing. Pre-requisite – Minimum grade of 70% in prior year's English class.**

Family and Consumer Science Courses

997 Introduction to Family and Consumer Sciences

Gr. 9, 10, 11, 12

This course is designed to give students an introduction to the following Family and Consumer Sciences areas: Foods and Nutrition, Clothing, and Textiles, Child Care and Development, and Management and Consumer Decisions. Students will be encouraged to develop their skills in making decisions, setting priorities, and managing their lives. This course meets every day for one semester (1/2 credit).

801 Sewing Basics

Gr. 9, 10, 11, 12

By constructing crafts, garments, and home decorating items, this class introduces students to fundamental skills in machine sewing. Projects selected are monitored by the teacher for their degree of difficulty. The course begins with a simple introduction to fibers: their uses, selection, care and handling procedures. Students learn pattern selection, sewing terms, proper equipment use, basic construction techniques as well as how to follow pattern instructions. Emphasis is placed on students learning practical skills and enjoying sewing as a hobby. Daily class participation is a major criterion for evaluation. This course meets every day for one semester (1/2 credit).

802 Sewing Basics 2

Gr. 9, 10, 11, 12

An interest in clothing construction, design and self-expression is a must for this course. Students will have an opportunity to expand their sewing horizons by using the skills learned in this advanced sewing course. A brief introduction to the fundamentals of sewing will start the semester. A fabric fiber study and many advanced sewing techniques will help students gain the knowledge needed to create exciting garments, crafts and home furnishings. This course meets every day for one semester (1/2 credit). **Pre-requisite – Sewing Basics 1.**

805 Clothing, Society and the Fashion World

Gr. 9, 10, 11, 12

What influence do consumers have on the fashion world today? Clothing, Society and the Fashion World is designed to give students an engaging introduction to the exciting world of fashion, design and marketing. This course prepares students to make good informed decisions when buying and caring for clothes. A study of fashion history, fashion designers as well as color and design will help students gain a general understanding of the apparel industry and learn skills needed to become more personally fashionable and consumer wise. The student will also explore basic sewing and construction skills and career options. This course meets every day for one semester (1/2 credit).

813 Introduction to Foods

Gr. 9, 10, 11, 12

This course is designed to prepare students to safely, efficiently and successfully prepare foods. The first nine weeks focuses on food borne illnesses, safe handling of foods and kitchen planning. The second nine weeks focuses on the chemistry of baking and microwave cooking. Students will be instructed in a variety of methods. Students will be graded according to rubrics for labs and written work. This is a pre-requisite for students to take other foods classes. A student must get a passing grade to continue to other advanced courses (1/2 credit). **Pre-requisite for grade 9 is must have completed Family and Consumer Science.**

Theater Arts and Music Courses

833 Theater Arts 1

Gr. 9, 10, 11, 12

The purpose of this course will be to expose students to the varied methods of stagecraft used in theater. Focus will be on acting and directing as well as some other technical skills, such as lighting, set design, costuming, and makeup. Study will focus on Modern American Plays and Playwrights, as well as American musical theater. This course meets every day for one year (1 credit).

890 Guitar

Gr. 9, 10, 11, 12

This course will provide students with formal instruction in guitar. The student will learn note, rhythm reading, melodies and chordal accompaniment. Even though past formal music training is not a pre-requisite, a background in music fundamentals is helpful. Each student will be provided an Oscar Schmidt Acoustic Folk Guitar as well as an instruction book and supplemental handouts. This course meets every day for one semester (1/2 credit).

891 Instrumental Music – Band A**Gr. 9, 10, 11, 12**

Students who join the high school band are required to participate in both the marching and concert band experiences. During the marching season, the band performs at varsity football games, field competitions, parades and other community events. During the concert season students study solo, small ensemble, and popular and standard concert band literature. Band members are required to attend labs (small group lessons or sectionals) where they develop skills, technique and knowledge necessary to play their instruments. This course meets every day for one year (1 credit).

893 Senior High Concert Choir**Gr. 9, 10, 11, 12**

Concert Choir is a non-auditioned choral ensemble for students interested in learning and singing a diverse repertoire of choral music. Emphasis will be placed on correct singing techniques, and the skills and knowledge necessary to make music a life-long pursuit. Opportunities for solo work and smaller ensembles will also be offered. Students will be required to attend and perform at 3 concerts per year, as well as vocal labs (sectionals) each marking period. Concert Choir meets every day for one year (1 credit).

894 Vocal Techniques**Gr. 9, 10, 11, 12**

This course will consist of group lessons in the proper use of the singing voice through the use of developmental vocal exercises and solo songs. The student will gain confidence, improve the quality of the singing and speaking voice, widen their appreciation for the arts, gain an understanding of the vocal mechanisms, and gain performance experience. This course meets every day for one semester (1/2 credit).

TECH ED

651 Mechanical Drawing 1**Gr. 9, 10, 11, 12**

This course is designed to prepare each student in basic blueprint reading. We study mechanical drawing and blueprint reading so that we can not only make accurate drawings of our own but also understand the drawings of others. By applying the basic rules and making good projection drawings, we can show other people exactly what we want to make or build. Mechanical Drawing will help students learn to visualize in three dimensions, to develop and strengthen their technical imagination, to think precisely, to read and write the language of industries and to gain experience in making working drawings according to modern commercial practice. Computer-aided drafting will be used on some of the basic projects. Basic architectural drawing of floor plans is also part of this course. This course meets every day for one year (1 credit).

662 Home Repair and Maintenance**Gr. 9, 10, 11, 12**

This course is based upon a home inspection checklist and is designed to teach students how to safely and efficiently perform basic repairs and maintenance around the home. Students will be instructed in the areas of home construction, plumbing systems, and electrical systems. The proper use and care of tools will be presented along with safe and effective practices in repair and maintenance. Emphasis will be placed on the determination of the need to secure professional services in certain situations. The exit exam will be the completed checklist with at least two completed projects. This course meets every day for one semester (1/2 credit).

670 Introduction to Woodworking**Gr. 9, 10**

This course provides students an opportunity to learn the basics of wood working, measurement, reading plans, basic tool use and safety practices are emphasized. This course meets every day for one semester (1/2 credit).

