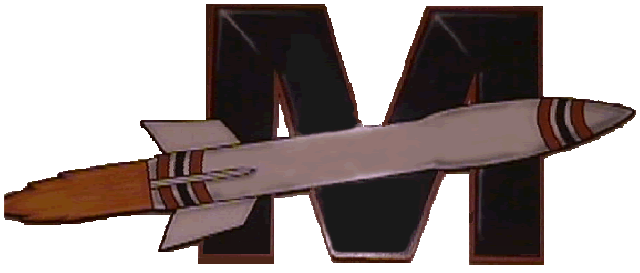
2011-2012

Milledgeville High School Curriculum Guide



GRADUATION REQUIREMENTS

All students must successfully complete the following required courses:

	2012	2013--2015
ENGLISH	4	4
SCIENCE	3	3
MATHEMATICS	3	3
US HISTORY	1	1
SOCIAL SCIENCE**	1	1
PE	3 ½	3 ½
HEALTH	½	½
FRESHMAN ACADEMY	X	½
DRIVER'S EDUCATION	½	½
GOVERNMENT	½	½
AMERICAN PROBLEMS	½	½
RESOURCE MANAGEMENT	½	½
COMPUTERS	½	½
ELECTIVES	7 ½	7
TOTAL	**26**	**26**

Physical Education waivers will only be granted as per board policy to students who are juniors and seniors. If a student opts to waive PE they must take an **academic** class in its place.

**Social Science credits must be divided in the following manner:

- ½ credit in Psychology I **OR** Sociology I
- ½ credit in World History, Economics, Geography

COLLEGE ADMISSION REQUIREMENTS

4-YEAR COLLEGES/UNIVERSITIES

ENGLISH	4
MATHEMATICS*	3
SCIENCE	3
SOCIAL SCIENCE	3
FOREIGN LANGUAGE**	2
ELECTIVES	10

*Mathematics course work must contain Algebra 2

**Foreign Language is strongly encouraged for most colleges, however, some will accept Fine Arts and Vocational classes in place of this requirement. Some colleges will waive Foreign Language for students who took 4 years in high school.

AGRICULTURE

INTRODUCTION TO AGRICULTURE – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

This course will provide the student with a broad insight into the Agriculture Industry. It is intended to give students a broad range of knowledge in several areas of the agriculture industry. Students will develop an understanding of areas such as the FFA, Plant and Animal Science, Basic Welding Skills, and Record Keeping SAE's. Students will also enhance their learning through several research projects and presentations.

AGRICULTURE SCIENCE – Elective

Prerequisite: Intro to Agriculture
Grade Level: 10 – 12
Course Length: 1 year
Credit: 1 Science and Agriculture

Agriculture Science is intended for the second year agriculture student wanting to further their exploration into the Agricultural Industry. We will go into more depth in soil sciences, soil fertility and plant and horticulture science and animal science. Students will also have a chance to learn about food science practices and biotechnology. FFA activities and contests will be incorporated into our classroom activities including SAE record books.

AGRICULTURAL LEADERSHIP/COMMUNICATIONS - Elective

Prerequisite: None
Grade Level: 11-12
Course Length: 1 semester
Credit: ½

This course will focus on leadership skill development as well as public speaking techniques. Students will study public relations material as well as develop job employment skills. The course will be broken into two sections the first focusing on team building skills, personal leadership abilities and idea sharing and cooperation. The second half of the course will concentrate on effective public speaking through presentations, speeches and written communication. Students will develop a resume, cover letter, and practice their interviewing skills.

AGRICULTURE BUSINESS – Elective

Prerequisite: Intro to Agriculture and Ag Science
Grade Level: 11 – 12
Course Length: 1 semester
Credit: ½

This is an in-depth study of Ag business, finance, record keeping, marketing and management. Students will study futures trading, Ag computers and programs. The course will be broken into two sections the first focusing on types of agriculture businesses and

their structure. The second half of the course will concentrate on commodity marketing and the futures market. Students will enhance their understanding of both areas through several group projects and hands on activities.

ENVIRONMENTAL SCIENCE – Elective

Prerequisite:	Natural Science & Biology For Agriculture Students Intro to Agriculture, Ag Science
Grade Level:	11 – 12 (10 with science department approval)
Course Length:	1 semester
Credit:	½

Course Description: This course is designed to give an understanding of the Earth as our environment. The course will focus on what makes up our environment as well as how it is affected by human actions. Emphasis will be put on current environmental issues (i.e. global warming, waste disposal/recycling, alternative energy sources, overpopulation, etc.) Critical thinking and reasoning skills will be used in discussions and projects will be done to show understanding.

Topics of Study:

- Science and the Environment
- Understanding Populations; Human Population; Biodiversity
- Water; Air; Atmosphere and Climate Change; Land; Food and Agriculture
- Mining and Mineral Resources; Nonrenewable Energy; Renewable Energy; Waste
- The Environment and Human Health; Economics, Policy, and the Future

[State requirements met: 11; 12; 13]

VET TECH – Elective

Prerequisite:	Natural Science, Biology For Agriculture Students Intro to Ag and Ag Science
Grade Level:	11 – 12 (10 with science department approval)
Course Length:	1 semester
Credit:	½

This course will be a continuation of biology. Our focus will be a detailed study of animal science. Labs will include several dissections of worms, frogs and fetal pigs. The class will also include group projects, class discussions and other research assignments. Topics will include:

- Animal Phyla
- Animal Cells and their Functions
- Biotechnology
- Animal Skeletal and Muscular Systems
- Animal Endocrine and Integument Systems
- Animal Nutrition
- Animal Welfare
- Animal behavior

[State requirements met: 11 B; 12A, 12B; 13A, 13B.]

HORTICULTURE – Elective

Prerequisite:	Natural Science, Biology For Agriculture Students Intro to Ag and Ag Science
Grade Level:	11-12 (10 with science department approval)
Course Length:	1 semester
Credit:	½ Science and Agriculture

This course will be a continuation of biology. Our focus will be a detailed study of plant science. This class will include both lab (inside) and field (outside) work. We will grow plants in the lab to study. Group projects, class discussions and other research assignments will also be included in the class.

Topics will include:

- Classification of Living Organisms
- Roots, Stems, and Leaves
- Plant growth and development
- Reproduction in seed plants
- Landscape Design
- Vegetable Production
- Pest Management
-

[State requirements met: 11B; 12A, 12B; 13A, 13B.

SUPERVISED AGRICULTURE EXPERIENCE (SAE) – Elective

Prerequisite: None
Grade Level: All agriculture students grades 9 – 12
Course Length: 1 semester
Credit: ½ Science and Agriculture

This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agriscience experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

ART

ART 1: INTRODUCTION TO VISUAL ART – Elective

Prerequisite: none
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

This course is an overview of visual art including color theory, elements of art, principles of art, art history, and art techniques including drawing, painting, printmaking, sculpture, ceramics, and textiles. This course is a prerequisite for any future high school art classes. After successful completion of Art 1, students may take either Art 2 or Art 3. Students taking this course as their only art class will also feel a sense of pride and accomplishment in the high caliber of the artwork created.

ART 2: 2-DIMENSIONAL MEDIA – Elective

Prerequisite: Art 1, must earn a C or higher in Art 1
Grade Level: 9 – 12

Course Length: 1 semester
Credit: ½

This is a semester long course focusing on 2-Dimensional visual art media and techniques such as drawing, painting, and printmaking. This course includes art history and art criticism.

ART 3: 3-DIMENTIONAL MEDIA – Elective

Prerequisite: Art 1, must earn a C or higher in Art 1
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

This is a semester long course focusing on 3-Dimensional visual art media and techniques such as soft and hard sculpture, ceramics, and fiber/textiles. This course includes art history and art criticism.

ART 4: ADVANCED ART – Elective

Prerequisite: Art 1 and Art 2 or Art 3, must earn a C or higher in Art 2 or Art 3
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Art 4 is an advanced art class a student may take once successfully completing Intro and either Art 2: 2-D or Art 3: 3-D (both would not be required). Students in this course work on "problems" developing conceptual art—art about ideas not necessarily technique. Students work in a direction toward developing a portfolio of their work eventually choosing a theme or media to concentrate on. Taking this course would also offer help in application to art schools. This course may be repeated for additional credit.

BUSINESS

INTRODUCTION TO BUSINESS – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: Full Year
Credit: 1

See, experience and understand the world of business through this course. Create your own business and gain a first hand understanding of the world of business. Learn about the various elements of business including, marketing, banking, credit, taxation, organizational development.

INTRODUCTION TO LAW – Elective

Prerequisite: None
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Gain a ground level understanding of the legal system and explore Criminal, Civil and Tort Laws. Discover the workings of the State and Federal Governments as they relate to the United State Constitution and the laws of this country.

MARKETING – Elective

Prerequisite: None
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Discover the basics of marketing and the economic impact consumer demands have upon products success. Review Marketing trends, marketing practices and ethics. Learn the 4 –"Ps" of marketing.

ACCOUNTING – Elective

Prerequisite: A good working knowledge of basic mathematics.
Grade Level: 10 – 12
Course Length: Full Year
Credit: 1

Learn the basic terminology, principles and recording of accounting in this course. Develop a working knowledge of cash payments and receipts, accounts receivable and payable, and payroll. Basic knowledge is demonstrated through hand calculations and computer simulations.

COMPUTERS

During your high school career you will need to take a minimum of 1 semester of computer classes. Your first class should be taken during your first semester as a freshman if at all possible. This will prepare you for admittance into the wide variety of elective choices available. **Maximum class size for all computer classes is twenty (20) students.**

The semester class you take first should be **Basic Skills or Computer Concepts.** Placement into the proper computer class will be based on your keyboarding ability (speed and accuracy) and your problem solving ability.

BASIC SKILLS – Microsoft Office Introductory ~ Required

Prerequisite: None
Grade Level: 9
Course Length: 1 semester
Credit: ½

This class is a review of keyboarding skills learned in the junior high and elementary. Office 2003 programs include desktop publishing; PowerPoint, Word and Excel are studied. The course also covers basic formatting of letters, memos, tables, and reports are reviewed.

OR

COMPUTER CONCEPTS – Microsoft Office Advanced ~ Required

Prerequisite: None
Grade Level: 9 - 10
Course Length: 1 semester
Credit: ½

This class is for 9th graders or above who come to high school with good to excellent keyboarding skills. Placement is determined by keyboarding speed (minimum 30 wpm) and recommendation of junior high school teacher. Office 2003 Advanced programs

including PowerPoint, Word, and Excel are studied. Desktop Publishing is also touched upon. Basic formatting of letters memos, tables, and reports is also reviewed. This class has a quick pace.

DESKTOP PUBLISHING – Elective

Prerequisite: Basic Skills
Grade Level: 10– 12
Course Length: 1 semester
Credit: ½

Microsoft Office Publisher will be used to design letterheads, advertisements, posters, brochures, newsletters and many other types of documents. Microsoft Office Publisher is a professional graphic arts program used in many businesses. Tools will be used to create and manipulate text and graphics. The following topics will be studied: creating a document, importing text and graphics, story editor usage, working with and modifying text, working with multiple pages, working with graphics, advanced graphics, adding color and mail merge, creating business forms and tables, and creating E-Commerce Web Sites.

WEB PAGE DESIGN – Elective

Prerequisite: Basic Skills or Office Simulation
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Topics of study include fundamentals of web design (web, computer, online and html basics); designing a web site (planning, developing and layout); selecting color and design; enhancing a web site (themes, graphics); and adding interactivity to web site. If time, we will work on project planning, improving web site function, and publishing and maintaining a web site. With our new text, we will be working in Front Page 2003 almost immediately, rather than waiting until 2nd nine week

CONSUMER EDUCATION

CONSUMER EDUCATION – Required

Prerequisite: None
Grade Level: 12
Course Length: 1 semester
Credit: ½

This course has two objectives. It meets the state requirements for Consumer Education including: instruction in installment purchasing, instruction in budgeting, instruction in comparison of prices and an understanding of the roles of consumers interacting with agriculture, business, trade unions, and government in formulating and achieving the goals of the mixed free enterprise system. It also includes general principles of managing the use of money, wise use of consumer credit, insurance, and preparation for choosing a career and finding a job.

DRIVER'S EDUCATION

DRIVER'S EDUCATION – Required

Prerequisite: Must pass 8 classes the previous 2 semesters before enrolling (state law)
Grade Level: 10 (By age - required)

Course Length: 1 semester
Credit: ½

Classroom - 12 Weeks (30 Clock Hours)
Driving Time – 6 Hours

*Every year, thousands of people lose their lives in automobile accidents and many more are injured. The majority of persons involved in these accidents are in the age group of 15-25. It is the purpose of driver education to reduce the number of road accidents through the educating of our young drivers. The course is divided into two parts – the classroom phase and the driving phase. The classroom phase is a period of twelve weeks. This time frame will allow for the thirty required classroom hours to be met. Students are allowed to miss only 3 days. If a fourth day is missed they will have to repeat the class the following year. (The thirty-hour requirement is a state law, not a school rule) The second phase of driver education is a six-hour requirement. It will be set up according to the students' available time to drive and the instructors driving periods. The state laws must be followed in order for a student to get their license.

ENGLISH

ENGLISH 1 – Required

Prerequisite: None
Grade Level: 9
Course Length: 1 year
Credit: 1

This course prepares the student for many necessary skills to be successful in high school classes across the curriculum and for many different reading assignments. The readings will survey the entire area of literature – all genres. Specific areas of study will include:

- Group Social Skills
- Study Skills
- Language Exploration
- Descriptive Writing
- Grammar Review
- Special Projects using Computer Skills
- Short Stories
- Poetry
- Drama – Modern and Classic
- Research Paper
- Collaborative Skills
- Library Skills
- Vocabulary Development
- Objective Writing
- Sentence Improvement
- Independent Reading Projects
- Novels
- Career exploration
- Nonfiction
- Literary Elements

The student will explore these areas of English that will enhance his/her abilities to communicate with others in correct and appropriate ways. Writing assignments will relate to literature and will be both formal and creative.

ENGLISH 2 – Required

Prerequisite: English 1
Grade Level: 10
Course Length: 1 year
Credit: 1

The course gives students an opportunity to become familiar with both speech terms and aspects of public speaking, and an opportunity to explore different areas of writing and ways to improve their own writing. Many of the writing assignments will be geared towards helping students improve scores on the state tests. Some areas of study may include:

- General Communication Skills
- Persuasive
- Story Telling (Narrative)
- Impromptu
- Expository
- Narrative
- Grammar Usage
- Career Exploration
- Novels
- Vocabulary Development
- Informative
- Presentational
- Interview
- Writing Process
- Persuasive
- Research Paper
- Sentence Structure
- Short Stories
- Drama
- Literary Elements

Grades in this class will primarily consist of writing and presenting speeches, writing assignments, reading assignments and daily preparatory assignments.

ENGLISH 3 – Required

Prerequisite: English 2
Grade Level: 11
Course Length: 1 year
Credit: 1

This course surveys literature written by American authors from the colonial era to the end of the twentieth century. In each case, what the author saw will be tied to what he/she wrote. This course prepares the student to understand and complete a variety of reading and writing tasks. Some of these tasks involve the state writing element of the Prairie State Achievement Exam that will be given during the junior year. Course work will include the following:

- Persuasive
- Narrative
- General Review of Conventions
- Vocabulary Development
- Poetry
- Novels with historical significance
- Nonfiction
- Vocabulary development
- Expository
- Research
- Style Elements
- Political writings
- Short stories
- Drama
- Reading skills
- Literary elements

Content of this course is directed toward college preparation. The materials used are traditional and recommended for college entrance.
[State requirements met: 1a; 3a, b, c; 5a, b, c.]

ENGLISH 4 – Elective

Prerequisite: English 3
Grade Level: 12
Course Length: 1 year
Credit: 1

The course will be structured as closely as possible to a college level English course. The course centers around the study of British Literature and coursework will include:

- Comparison/Contrast
- Definition
- Analogy
- Evidence from Authority
- Cause/Effect
- Argumentation/Persuasion
- Factual Evidence
- Critical analysis

- Synthesis
- Historical writing
- Satire
- Short stories
- Poetry
- Novels

Convention skills will be reviewed as needed. Vocabulary development will continue. This course is for the college bound and is a rigorous reading and writing course.

[State requirements met: 1a; 3a, b, c; 5a, b.]

HONORS ENGLISH 1 – Elective

**Dual Credit offered with SVCC – ENG 101 – Student will be required to purchase textbooks

Prerequisite:	ACT: Reading – 20 or higher, English – 18 or higher Compass: Reading – 77 or higher, English – 70 or higher Completion of Eng. 3 with at least a B-
Grade Level:	12
Course Length:	1 semester
Credit:	½ -- weighted

This class is a basic course in essay writing with emphasis on exposition. Honors English 1 stresses knowledge and application of the rhetorical modes and presupposes competence in grammar, usage and mechanics. Students will gain skill in the following:

- Prewriting
- Editing and revising
- Modes of support
- Style
- Writing
- Purpose
- Organization
- Standard American English

HONORS ENGLISH 2 - Elective

**Dual Credit offered with SVCC – ENG 103 – Student will be required to purchase textbooks

Prerequisite:	Honors English 1 with a grade of "C" or higher
Grade Level:	12
Course Length:	1 semester
Credit:	½ -- weighted

This is an advanced course in essay writing with emphasis on formal research. Honors English 2serves to develop proficiency in the collection and selection of data as applied to the completion of a formal research paper. In addition, students receive instruction in logic and reasoning, including the fundamentals of argumentative and persuasive writing. Students will gain skill in the following:

- Paraphrasing
- Responses
- Researching
- Using the library
- Summarizing
- Analyzing
- Documenting
- Argumentative writing

FAMILY AND CONSUMER SCIENCES

INTRODUCTION TO FOODS – Elective

Prerequisite: None – prerequisite for all other food classes
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

A course designed to introduce students to cooking. The students will explore cooking from the basics and will become experienced cooks by the end of the semester. Much of the time will be spent in the labs learning from hands on experiences. Topics covered include:

- Kitchen safety and sanitation
- Recipes
- Cooking techniques
- Measuring basics
- Equipment and utensils
- Careers in foods and nutrition

INTRODUCTION TO TEXTILES & FASHION – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

This course is designed for the student who wants to learn the basics of sewing construction and the fashion industry. The students will spend much of the semester in lab situations. They will have the opportunity to select from many projects for the semester. Each student will complete a minimum of three projects. The following topics will be studied:

- Use and understanding of patterns
- Use, care and special features of sewing machines
- Construction of several projects

ADVANCED TEXTILES & FASHION – Elective

Prerequisite: Introduction to Fashion
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

This advanced textiles course is designed for the students who are interested in the fashion and textile industry. The many uses of textiles and several projects will be completed during the semester. Each project will be the students' choice, each increasing in difficulty. The students will also have the opportunity to create an original design as one of their projects. Specific topics include:

- Study of fashion designers and the history of fashion
- Advanced use of patterns
- Beginning design
- Career areas in the textile industry

PERSONAL DEVELOPMENT – Elective

Prerequisite: None
Grade Level: 9 – 10
Course Length: 1 semester
Credit: ½

Personal development is designed for under-classmen who want to gain self-confidence and learn more about themselves. During this semester length class the students will explore the many things that will help them become more aware of who they are and why. Some of the topics covered include:

- Values
- Character

- Decision Making Skills
- Conflict Resolution
- Goals
- Communication Skills
- Career Exploration
- Health & Wellness
- Self-esteem / Self-concept
- Meeting Challenges
- Peer Pressure
- Study skills

CHILD DEVELOPMENT 1 – Elective

Prerequisite: None
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Child Development 1 explores pregnancy through delivery. The students take a close look at teen pregnancy and the uniqueness to this situation. Moving on to what one can expect during pregnancy and finally giving birth and bringing home the new baby. The final stages of the course emphasize basic infant care and of course the experience of having a child. The "Baby Think It Over" dolls give the students a firsthand simulation of parenthood. Specific topics include:

- Teen Pregnancy
- Preparing for Birth
- Caring for a Newborn
- Prenatal Development
- Baby's Arrival

CHILD DEVELOPMENT 2 – Elective

Prerequisite: Child Development 1
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Child Development 2 picks up where Child Development 1 ends. The students learn about the physical, emotional, social and mental development of children from their first year of life through 12 years of age. Included are studies of the special nutritional needs of children, child abuse, and other special needs of children. Specific topics include:

- Physical, Emotional, Social & Intellectual Development from 1-3 years
- Physical, Emotional, Social & Intellectual Development from 4-6 years
- Physical, Emotional, Social & Intellectual Development from 7-12 years
- General health and Accidents
- Special Needs Children
- Child Abuse
- Related Careers

HOUSING AND INTERIOR DESIGN – Elective

Prerequisite: None -
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Throughout the semester the students will discover the exciting world of housing and interior design. A majority of time is dedicated to the designing of a home and all of the steps included in the process. The students will design their "dream" home. Specific topics include:

- Elements of Design
- Principles of Design

- Floor Plans
- Furniture Design
- Specific Room Planning
- Selecting Furnishings

FOODS 1 – Elective

Prerequisite: Introduction to Foods
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Foods I includes the following topics: meal planning & preparation, basic techniques, budgeting and planning meals on a budget, reading food labels and how the information can be used in everyday life, Food Guide pyramid basics, outdoor cooking along with basic and restaurant etiquette.

Lab experiences are an important part of each of the topics covered.

FOODS 2 – Elective

Prerequisite: Foods I
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

This advanced level class explores in depth basic nutrition. Through classroom experiences along with the use of the labs the students become aware of our nutrition needs and how they are met.

Ethnic cooking and the investigation into different cultures rounds out the class. The students learn about several different countries and then apply that knowledge in lab experiences. Everyone gets a taste of the world. Specific topics included are:

- Nutrients
- Eating Disorders
- Ethnic Cooking (possibilities include)
- Oriental
- French
- Dietary Guidelines
- Special Diets and Diet Fads
- Mexican
- Italian
- Scandinavian

ADULT LIVING – Elective

Prerequisite: Personal Development
Grade Level: 10 – 12
Course Length: 1 year
Credit: 1

Adult living is designed to educate students in the area of relationships, from friendship to marriage. During these studies the students will learn of the multiple roles and responsibilities they will face as they experience the many different relationships they will encounter throughout life. The students also plan and carry out a mock wedding to help them better understand the planning process. The following is a list of the specific topics covered:

- Personality Traits
- Friendship
- Recognizing Abusive Relationships
- Sexuality
- Divorce
- Character & Values in a Partner
- Dating
- Love
- Commitment & Marriage
-

PARENTING – Elective

Prerequisite: None
Grade Level: 12
Course Length: 1 semester
Credit: ½

This course is set up to specifically address the concept of becoming a parent. The students will become aware of the complicated world of parenting and learn how to be a good parent. The class begins with the decision making process and how do you know if you are ready to be a parent, the responsibilities that come along with parenthood, and the issues of discipline and child abuse. The students investigate the many parental situations that our society includes and the effect each has on children. Also included is basic infant care through the use of the "Baby Think It Over" simulation. Topics include:

- The Decision Making Process
- Parental Responsibilities
- Discipline
- Infant Care
- Basic child development
- Planned Pregnancy, Birth Control, Contraception & STD's
- Parental Situations
- Child Abuse
- Use of the baby simulators
-

SINGLES LIVING – Elective

Prerequisite: None
Grade Level: 12
Course Length: 1 semester
Credit: ½

The main objective of this course is to introduce basic life skills to the students. Upon completion of this class the students will be ready to move into the "real" world and understand the basics of living on their own. During the semester the students will study budgeting, laundry care, basic mending and sewing, better understand the economic value of convenience foods verses homemade foods, etiquette, and housing. Specifically the topics are:

- Checking Accounts
- Renting an Apartment
- Basics of Measuring
- Brand Name Foods Comparisons
- Basic Sewing & Mending
- Budgeting
- Choosing a Roommate
- Convenience Foods vs. Homemade Foods
- Clothing Care / Laundry
- Planning a Vacation

HEALTH & PHYSICAL EDUCATION

HEALTH EDUCATION - Required

Prerequisite: None
Grade Level: 9 – 12
Course Length: Semester
Credit: ½

This one semester course covers basic information in a wide variety of areas concerning a person's health. Topics include goal setting, decision making, motivation, mental health, drug education, sexuality, physical health, diseases and first aid.

PHYSICAL EDUCATION – Required

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

This course provides a variety of physical activities for all students. Activities included are individual sports, team sports, physical fitness, team building, leisure time activities, strength training, speed and agility, balance, along with proper running techniques.

** By State Mandate, a junior or senior may be excused from participating in Physical Education class to enroll in a course required for graduation or college entrance or is currently participating in an IHSA sponsored sport. If a student opts to waive PE they must take an **academic** class in its place.

MATHEMATICS

Milledgeville High School offers seven math courses covering a variety of topics. The courses are Pre-Algebra, Applied Math, Algebra I, Geometry, Algebra II, Advanced Math, and Calculus. Descriptions of these classes are below. To graduate, a student needs to pass a minimum of three math courses.

PRE-ALGEBRA – Elective

Prerequisite: None
Grade Level: 9
Course Length: 1 year
Credit: 1

The course is designed for freshmen that choose to take a year to further develop their fundamental math skills. This course prepares students for a successful transition into Algebra I. Specific areas of concentration include:

- Basic Computation
- Metric System
- Solving Equations
- Basic Geometric Figures and Their Properties
- Ratios, Proportions, and Percents
- Algebraic Properties and Patterns
- Operations with Integers (+/-)
- Interpreting Different Types of Graphs
- Properties of Rational Numbers

[State requirements met: 6a, 6b, 6c, 6d, 7a, 7c, 8a, 8b, 9b, 10a.]

ALGEBRA 1 – Required

Prerequisite: None
Grade Level: 9 – 11
Course Length: 1 year
Credit: 1

This course prepares students for a successful transition into Geometry and Algebra II. Specific areas of concentration include:

- Algebraic Properties
- Solving Equations
- Graphing One-Variable Inequalities
- Solving Quadratic Equations
- Graphing Linear Equations
- Operations with Real Numbers
- Solving 2-Variable Word Problems
- Factoring Polynomials
- Ratios and Proportions

[State requirements met: 6a, 6b, 6c, 8a, 8b, 8d.]

GEOMETRY – Required

Prerequisite: Algebra 1
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

This course prepares students for a successful transition into Algebra II and Advanced Math. Specific areas of concentration include:

- Basic Geometric Terms and Figures
- Types of Angles
- Types of Triangles and Their Properties
- Types of Quadrilaterals and Their Properties
- Trigonometric Ratios
- Area and Volume of Figures
- Deductive Reasoning
- Properties of Parallel Lines
- Congruent Polygons
- Similar Polygons
- Circles and Their Properties

[State requirements met: 6a, 6c, 6d, 7a, 7b, 7c, 9a, 9b, 9c, 9d.]

ALGEBRA 2 – Elective

Prerequisite: Geometry
Grade Level: 10 – 12
Course Length: 1 year
Credit: 1

This course prepares students for a successful transition into Advanced Math and Physics. Specific areas of concentration:

- Story Problems on Distance, Work, Mixture, and Value
- Factoring Polynomials
- Equations Involving Exponents (+/-)
- Coordinate Geometry
- Conic Sections
- Solving Linear and Quadratic Inequalities
- Solving Quadratic Equations Using Several Methods
- Properties of Radicals
- Properties of Basic Functions

[State requirements met: 6a, 7a, 8a, 8b, 8d, 10a.]

ADVANCED MATH – Elective

Prerequisite: Algebra 2
Grade Level: 11 – 12
Course Length: 1 year
Credit: 1

This course prepares students for college math classes and Calculus. Specific areas of concentration include:

- Linear Functions
- Matrices
- Trigonometric Functions and Their Graphs
- Graphing Polar Coordinates
- Probability
- Polynomial Equations
- Vectors
- Sequences and Series
- Exponential Functions

[State requirements met: 6a, 6b, 6d, 7a, 7b, 7c, 8b, 8c, 8d, 9b, 9d, 10c.]

CALCULUS – Elective

Prerequisite: Advanced Math
Grade Level: 12
Course Length: 1 year
Credit: 1 – weighted

The course is weighted. This course prepares students for a successful transition into college math. Specific areas of concentration include:

- Functions
- Continuity of Functions
- Applications of Derivatives
- Integration
- Limits
- Derivatives of Functions
- Graphing Functions
- Applications of Integrals

[State requirements met: 6c, 6d, 7a, 7b, 7c, 8b, 8c, 8d, 9d.]

MUSIC

BAND – Elective

Prerequisite: None (but previous experience preferred)
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

This course will acquaint students with important literature for concert band and will be the next sequential step in their musical development from the junior high level. The curriculum will be primarily repertoire-based. Supplementary materials will be included to develop knowledge and skills in musical theory, composition, history, and appreciation. Admission for students with no prior band experience will be granted on an individual basis.

Students will perform at local concerts and festivals throughout the year. Additionally, the band will be featured at home football and basketball games. Individual lessons may be provided to supplement student learning during the school day as the schedule allows. Jazz Band, Indoor Drum Line, or other ensembles may be offered as extra-curricular activities.

[State standards met: 25.A.4, 25.A.5, 26.A.4c, 26.A.4d, 26.A.5, 26.B.4c, 27.A.4b, 27.A.4a, 27.A.4b]

MIXED CHORUS – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

The literature base includes a wealth of SATB/SAB/SSAA/TTBB music from a variety of genres in order to maximize learning. The curricular goals are met through the rehearsal of appropriate literature. Several goals are introduced simultaneously as the literature permits, and during special projects that require research. Performance goals occur during each grading period, including a Winter Holiday Concert, Fine Arts Festival Spring Concert, Music Contest, and the singing of the National Anthem at various home sporting events. Jazz Choir will also be offered as an extra-curricular activity on an auditioned basis determined by the director (Only Mixed Chorus members are eligible to participate in Jazz Choir).

(State requirements met: 25.A.4, 25.B.5, 26.A.4d, 26.B.4c, 27.A.4a, 27.A.5, 27.A.4b, 27.B.4b)

SCIENCE

NATURAL SCIENCE – Required

Prerequisite: None – a **good** math background required
Grade Level: 9-10
Course Length: 1 year
Credit: 1

The course is designed to give a broad understanding of topics important for our technological society and necessary for further studies in the sciences. The course enhances manipulative and critical reasoning skills, relies on basic laboratory work and emphasizes lab safety. Natural science will be divided into four areas, two each semester. Chemistry and Environmental Science will be covered in part 1. Physics and Space Science will be covered in part 2. There is no designated order. Part 2 may be completed before part 1. However, part 2 involves more math.

Topics will include:

- Atomic Theory and the Periodic Table
- Chemical Bonding and Reactions
- Solutions, Acids, and Bases
- Organic Chemistry
- Biosphere and Biomes
- Ecosystems: Structures and Relationships
- Populations
- People and the Environment
- Environmental Issues
- Laws of Motion and Forces
- Work, Energy, and Power
- Heat and Temperature
- Waves, Sound, and Light
- Electricity and Magnetism
- Earth, Moon, and Eclipses
- The solar system
- Stars and Galaxies
- Cosmology

[State requirements met: 11.A.4a, 11.A.4b, 11.A.4c, 11.A.4e, 12.B.4a, 12.C.3a, 12.C.4a, 12.C.4b, 12.C.5a, 12.C.5b, 12.D.3b, 12.D.4a, 12.D.4b, 12.D.5a, 12.E.3b, 12.E.3c, 12.E.4a, 12.F.2b, 12.F.2c, 12.F.3a, 12.F.3b, 12.F.4a, 12.F.4b, 12.F.5a, 12.F.5b, 13.A.4a, 13.A.4b, 13.A.4d]

BIOLOGY – Required

Prerequisite: Natural Science or Concurrent
Grade Level: 10 – 12 (may take as a freshmen with instructor approval)
Course Length: 1 year
Credit: 1

This course will focus on connecting biology, the study of life, to the real world. We will study a variety of biological issues while understanding different viewpoints. The course will develop proper lab techniques, particularly with microscopes, with continued emphasis on lab safety. Student will also participate in group projects, class discussions, and other research assignments. Topics will include:

- Structure and function of Cells
- Origins of life

- Homeostasis and transport
- Acid and protein synthesis
- Chromosomes, Mitosis and Meiosis
- Genetics
- Inheritance patterns
- Gene expression
- Applied genetics
- Evidence and theory of evolution
- Speciation
- Human evolution
- Classification

[State requirements met: 11A, 11B, 12A, 12B, 13A, 13B.]

CONCEPTUAL CHEMISTRY – Elective

Prerequisite: Natural Science; Biology is recommended
Grade Level: 11 – 12 (10 with Science Department approval ONLY)
Course Length: 1 year
Credit: 1

This course is designed for students desiring a less mathematics intensive chemistry course that focusing more on the concepts involved in the science of chemistry. It is for students whose career goals do not include the sciences or engineering. This course also can be an intermediate course in preparation for our other chemistry course. Students in Conceptual Chemistry will investigate the composition, structure, properties of matter, and the chemical changes that matter undergoes. The course will emphasize the importance of chemical reactions in our everyday lives from the kitchen to the field, the composition of products, and their impact on our environment. Laboratory work will reinforce concepts presented. Areas to be emphasized will include the following:

- Review of the Scientific Method, Models, Metric System, and Scientific Notation
- Basic Atomic Structure
- Types of Chemical Bonds
- Molecular Structure and Chemical Formulas
- Real World Chemistry in Everyone's Lives
- Solution Concentrations
- Electrochemistry
- Laboratory Safety
- Periodic Trends and the Periodic Table
- Naming Conventions of Compounds
- Classifying Chemical Reactions
- Behavior of Gases
- Acids and Bases
- Impact on Science and Technology

CHEMISTRY – Elective

Prerequisite: Algebra I and Natural Science; Biology is recommended
Grade Level: 11 – 12 (10 with Science Department approval ONLY)
Course Length: 1 year
Credit: 1

The course is designed for students whose career goals are into science, engineering, health professions, and environmental sciences. Students in chemistry will investigate the composition, structure, properties of matter and the chemical changes that matter undergoes. The course will emphasize the importance of chemical reactions in our lives, the development of new products, and their impact on our environment. The course enhances manipulative and critical thinking skills and relies heavily on laboratory work. Areas to be emphasized will include the following:

- Review of SI Units and Conversions
- Scientific Notation & Significant Figures
- Heat, Temperature, and Specific Heat
- Laboratory Safety
- Atomic Structure & Electron Configuration
- Periodic Table Relationships
- Chemical Bonding
- Nomenclature
- Gas Laws
- Changes of State and phase diagrams
- Solutions and Concentrations
- Acids, Bases, pH, and pOH
- Enthalpy and Thermochemistry
- Redox and Electrochemistry
- Chemical Equilibrium
- Organic Compounds and Nomenclature

- Molecular Structure and Chemical Formulas
- Balance and Classify Chemical Equations
- Stoichiometry
- Research Analysis & New Product Development
- Impact on Science and Technology

[State requirements met: 11.A.5a, 11.A.5b, 11.A.5c, 11.A.5d, 12.C.4a, 12.C.4b, 12.C.5a, 12.C.5b, 12.D.4b, 13.A.5b, 13.A.5d, 13.B.4a, 13.B.4e, 13.B.5e]

PHYSICS - Elective

Prerequisite: Algebra II & Natural Science; Advanced Math & Chemistry are recommended
Grade Level: 11 – 12
Course Length: 1 year
Credit: 1 - weighted

This course teaches necessary critical thinking and reasoning skills for higher education and the workplace in our high-tech society. It is designed for students seeking careers in science, engineering, and the health professions. Physics studies the relationship between matter and energy. It is the most fundamental of the sciences, providing an understanding of nature and reality. Physics emphasizes laboratory work and utilizes advanced math topics including algebra, geometry, trigonometry, and graphical analysis. This course will cover topics including:

- Linear Motion
- Vectors
- Forces
- Momentum and Impulse
- Energy and Power
- Gravitation
- Rotational Motion
- Planetary Motion
-
- As time permits the following will be included:
- Wave Motion
- Sound
- Light and Optics
- Electricity and Magnetism
- Introduction to Modern Physical Concepts

[State requirements met: 11.A.5a, 11.A.5b, 11.A.5c, 11.A.5d, 11.B.5a, 11.B.5c, 11.B.5d, 12.C.4a, 12.D.4a, 12.D.4b, 12.D.5a, 12.D.5b, 13.A.5b, 13.A.5c, 13.A.5d, 13.B.5b, 13.B 5e]

MODERN PHYSICS – Elective

Prerequisite: Physics, Algebra II, and Natural Science; Advanced Math is recommended
Grade Level: 12
Course Length: 1 semester
Credit: ½

Modern Physics is designed for students wanting a more complete background in the study of Physics, including students seeking careers in the physical sciences, engineering, radiology, and nuclear energy. Modern Physics will build on the fundamental topics taught in the first year of Physics. Students may study independently. This course will cover the more advanced areas of physics, which may include:

- Wave Motion
- Atomic Physics
- Nuclear Physics
- Radioactivity
- Thermodynamics
- Fluid Mechanics
- Light and Optics
- Electricity and Magnetism
- Modern Electronics
- Relativity

[State requirements met: 11.A.4e, 11.A.5a, 11.A.5b, 11.A.5c, 11.A.5d, 12.C.4a, 12.C.5a, 12.D.4a, 12.D.4b, 12.D.5b, 12.F.5a, 13.A.5c, 13.A.5d, 13.B.5b, 13.B.5e]

ASTRONOMY - Elective

Prerequisite:	Algebra II and Natural Science; Physics, Advanced Math, and Chemistry are **highly** recommended
Grade Level:	11 – 12
Course Length:	1 semester
Credit:	½

The course is designed for students whose career goals involve the sciences, engineering, or education. Astronomy is one of the oldest and most misunderstood subjects. Students in Astronomy will investigate the history of astronomy in past and current cultures. The course will investigate the structure and relationship of the earth, our solar system, and galaxy. Students will investigate current theories of the formation of our solar system and the universe. Field trips to see local telescopes are likely. This course is valuable preparation for college and provides understanding of celestial events and their relevance. Topics include:

- Historical Astronomy
- Observational Astronomy
- Seasons and the Calendar
- Earth and Moon
- Eclipses
- The Solar System
- Planetary motion
- Comets and Meteors
- Properties of Stars
- Life Cycle of Stars
- Galaxies
- Cosmology

[State requirements met: 11.A.4e, 11.A.5a, 12.C.4a, 12.C.4b, 12.D.4a, 12.D.5b, 12.E.4a, 12.F.2b, 12.F.2c, 12.F.3a, 12.F.3b, 12.F.4a, 12.F.4b, 12.F.5a, 12.F.5b, 13.A.4c, 13.A.5b, 13.A.5d

HUMAN ANATOMY AND PHYSIOLOGY – Elective

Prerequisite:	Biology (Zoology recommended)
Grade Level:	11 – 12
Course Length:	1 semester
Credit:	½

Human A&P is designed as the most challenging life science course. We will study ourselves, that is, the structure and function of each system of the human body. Many new names and terms are used and a considerable amount of memorization is required. A few labs will also be included in the course. We will dissect a cat if time permits. Topics will include:

- Integumentary system
- Muscular system
- Endocrine system
- Respiratory system
- Lymphatic system
- Reproductive system
- Skeletal system
- Nervous system
- Digestive system
- Circulatory system
- Excretory system

[State requirements met: 11A; 12A, 12B; 13A, 13B.

VET TECH – Elective

Prerequisite:	Natural Science, Biology For Agriculture Students Intro to Ag and Ag Science
Grade Level:	11 – 12 (10 with science department approval)

Course Length: 1 semester
Credit: ½

This course will be a continuation of biology. Our focus will be a detailed study of animal science. Labs will include several dissections of worms, frogs and fetal pigs. The class will also include group projects, class discussions and other research assignments. Topics will include:

- Animal Phyla
- Animal Cells and their Functions
- Biotechnology
- Animal Skeletal and Muscular Systems
- Animal Endocrine and Integument Systems
- Animal Nutrition
- Animal Welfare
- Animal behavior

[State requirements met: 11 B; 12A, 12B; 13A, 13B.]

ENVIRONMENTAL SCIENCE – Elective

Prerequisite: Natural Science & Biology
For Agriculture Students: Intro to Ag and Ag Science
Grade Level: 11 – 12 (10 with science department approval)
Course Length: 1 semester
Credit: ½

Course Description: This course is designed to give an understanding of the Earth as our environment. The course will focus on what makes up our environment as well as how it is affected by human actions. Emphasis will be put on current environmental issues (i.e. global warming, waste disposal/recycling, alternative energy sources, overpopulation, etc.) as well as environmental impacts on agriculture. Critical thinking and reasoning skills will be used in discussions and projects will be done to show understanding.

Topics of Study:

- Science and the Environment
- Understanding Populations; Human Population; Biodiversity
- Water; Air; Atmosphere and Climate Change; Land; Food and Agriculture
- Mining and Mineral Resources; Nonrenewable Energy; Renewable Energy; Waste
- The Environment and Human Health; Economics, Policy, and the Future

[State requirements met: 11; 12; 13

HORTICULTURE - Elective

Prerequisite: Natural Science, Biology
For Agriculture Students Intro to Ag and Ag Science
Grade Level: 11-12 (10 with science department approval)
Course Length: 1 semester
Credit: ½ Science and Agriculture

This course will be a continuation of biology. Our focus will be a detailed study of plant science. This class will include both lab (inside) and field (outside) work. We will grow plants in the lab to study. Group projects, class discussions and other research assignments will also be included in the class.

Topics will include:

- Classification of Living Organisms
- Roots, Stems, and Leaves
- Plant growth and development
- Landscape Design
- Vegetable Production
- Pest Management

- Reproduction in seed plants

[State requirements met: 11B; 12A, 12B; 13A, 13B.]

SOCIAL STUDIES

HISTORY OF PHILOSOPHY- Elective

Prerequisite: None
Grade Level: 11 or 12
Course Length: 1 semester
Credit: ½

This course centers on discussions of ideas and beliefs central to the development of the Western World (Europe and the United States). The course will be developed around a platonic model, where students examine critical texts in Western Philosophy and then discuss and reflect the impact of those ideas on our modern world.

[State requirements met: 1B5B, 1B5c, 1B5c, 1C5a, 1C5b, 1C5

GEOGRAPHY– Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

This course will emphasize geographic information on a global scale. The study of geographic details will be combined with other areas of social studies: political, economic, cultural and social issues in particular.

Map study will be a major part of this course. Oral reports both individually and in cooperative groups will provide information on resources, cultural details, climate, etc. of countries in each region of the world. Specific areas of study will include:

- General Geography
- Latin America
- Australia & Asia
- North America
- Europe
- Africa

[State requirements met: 17a, 17b, 17c, 17d.]

GOVERNMENT – Required

Prerequisite: None
Grade Level: 10
Course Length: 1 semester
Credit: ½

This course will examine different types of government that have existed in the world. Another major area of study will be the different levels of government in the United States. The role of citizenship in a global society will also be examined.

Specific areas of study will include:

- Comparative Governmental Systems
- Federal Executive Branch

- Federal Legislative Branch
- State Government
- Federal Judicial Branch
- Local Governmen

[State standards met: 14a, 14b, 14c.]

PSYCHOLOGY 1 – Elective

Prerequisite: None
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Topics Discussed:

- Behavior
- Sleep and Dreams
- Learning
- Psychological Disorders
- Theories and Theorists
- Memory
- Abnormal Behaviors
- Human Development

*Every human being has a different behavior pattern. The basic reasons for this being the way individuals lean, the way each one perceives and the way each one is motivated. Psychology I is a basic introductory course designed toward the individual student as far as his own personality is concerned. Basic Principles of behavior are discussed in a way that each student can analyze his/her own behavior in hopes of really seeing his/her own self. A research paper is required.

PSYCHOLOGY 2 – Elective

Prerequisite: Psychology I
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Designed to pick up where Psychology 1 leaves off. Topics Discussed:

- Personality Theories
- Adolescence
- Methods of Therapy
- Stress and Health
- Intelligence
- Gender Roles
- Social Cognition

*Continues to look at the behavior patterns of the individual. Experiments will be used and discussed to create a better understanding of the subject. A research project will be assigned.

SOCIOLOGY 1 – Elective

Prerequisite: None
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Topics Discussed:

- Culture
- Groups
- Families
- Nature vs. Nurture
- Social Movements
- Social Change

Except for perhaps a few hermits, human beings everywhere live inn groups. The purpose of sociology is to find out about these groups. How they are set up and how they operate. Sociology is a discipline designed to not only inquire into the structure of groups, but also into how members of any group behave. Sociology therefore, is a branch of the social sciences devoted to the study of society in general and of groups in society in particular. Group interaction is the major theme stressed in Sociology. The class is an introductory class and should be taken before Sociology II. A survey research assignment will also be assigned.

SOCIOLOGY 2 – Elective

Prerequisite: Sociology I
Grade Level: 10 – 12
Course Length: 1 semester
Credit: ½

Topics Discussed:

- Deviance and Crime
- Groups
- Population
- Adolescence
- Old Age
- Class and Stratification
- Society
- Childhood
- Adulthood
-

This course is designed to pick up where Sociology I left off. Groups in the society will continue to be discussed. Throughout the school year we will be keeping in contact with pen pals from other countries through the Peace Corps. This will enables to study other cultures first hand. Many cultures, customs, and traditions will be discussed. A research project on specific groups will be assigned.

ECONOMICS – Elective (Meets requirements for consumer education credit)

Prerequisite: None
Grade Level: 11 – 12
Course Length: 1 semester
Credit: ½

Topics Discussed:

- General Terms in Economics
- Supply and Demand
- United States Economy
- Economic Systems
- Cultures and Monetary Systems
- Interest Rates

*This class is designed to give students a better understanding of economic systems throughout the world. We will focus on the United States Economy and keep an eye on the stock market to see how it influences our nation. The Federal Reserve will also be studied.

U.S. HISTORY

These courses include a chronological study of the U.S. politically, economically, socially, and the development of democracy and democratic processes in each of the above mentioned areas. All history is inter-related; therefore, emphasis is directed toward that reality. Oral reports both individually and in cooperative groups will be used as part of the curriculum.

U.S. HISTORY 1 – Required

Prerequisite: None

Grade Level: 11
Course Length: 1 semester
Credit: ½

Specific areas of study will include:

- Colonization
- New Government
- Early U.S. History
- Revolution
- Federal Constitution
- Illinois Constitution

[State requirements met: 14A, 14C, 14E, 14F, 16A, 16B, 16C, 16D, 16E.]

U.S. HISTORY 2 – Required

Prerequisite: None
Grade Level: 11
Course Length: 1 semester
Credit: ½

Specific areas of study will include:

- Age Of Jackson
- Civil War
- Beginning of a Foreign Empire
- Manifest Destiny
- Conquering The West
- The Nation Comes of Age

[State requirements met: 14E, 14F, 16A, 16B, 16C, 16D, 16E.]

CONTEMPORARY AMERICAN HISTORY - Elective

Prerequisite: Currently enrolled or completed US History 1and/or 2
Grade Level: 11 - 12
Course Length: 1 semester
Credit: ½

Contemporary American History will be a semester long Social Studies elective that will cover US foreign affairs and domestic affairs from 1945 – present. This course will allow students to examine and interpret recent historical events in greater detail. The class will be using primary and secondary sou7rces to critically interpret and examine US History. This class will place an emphasis on reading primary documents and writing historical analysis. Topics will include:

- Origins of the Cold War
- Brinkmanship
- Vietnam Conflict
- 1980 – present
- Increases of foreign tensions
- Civil Rights Movement
- Nixon to Carter

[State requirements met: 14E, 16A, 16C]

AMERICAN PROBLEMS – Required

Prerequisite: None
Grade Level: 12
Course Length: 1 semester
Credit: ½

American Problems is a combination of Current Events and Social Problems in our society. AP deals with the social, political, and economic problems facing the American people. There is no way that one can study all the problems that face the American public therefore only a few will be chosen as points of study.
A variety of mediums are used including the news, videos, newspapers, and Newsweek Magazine. Topics are also chosen by the instructor and used to create discussion. Group activities will also be used to create thought. Both sides of an issue are given and the students are asked to decide which they agree with most. Students will be given a handout covering each unit topic with activities designed to correlate with the material covered.

ILLINOIS HISTORY – Elective

Prerequisite: US History or Currently Enrolled in US History
Grade Level: 11 – 12
Course Length: 1 semester
Credit: ½

Illinois History will provide students with an opportunity to learn the role that Illinois and, more specifically, Carroll County, have played in United States history. As well, this course is designed to encourage students to take an active role in learning about the history of their community through the use of guided research projects utilizing community resources. This course will supplement the United States history courses already taken by MHS students.

Topics Discussed:

- Illinois Geography and Geology
- Illinois as a Territory
- Early Years of Statehood
- Abraham Lincoln in Illinois
- Labor Movements in Illinois
- Illinois during WWI, the Depression & WWII
- Native American Culture in Illinois
- The Rise of Chicago
- Carroll County and Northern Illinois History
- Illinois in the Civil War
- The Great Migration
- Postwar Illinois

[State requirements met: 16.A.5a, 16.A.3b, 16.B.5a (US), 16.C.5a (US), 16.D.5 (US), 18.A.5, 18.B.5]

WORLD HISTORY

These courses will present basic information on the story of man through the ages. This will be a worldwide view, giving the student an overview of the great people and events that have influenced humankind's rise from the cave to the present. Oral reports both individually and in cooperative groups will be used as part of the curriculum.

EARLY WORLD HISTORY – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

Specific areas of study will include:

- Early Civilizations
- Ancient India & China
- Ancient Rome
- Ancient Egypt
- Ancient Greece
- Early Middle East

[State requirements met: 14E, 14F, 16A, 16B, 16C, 16D, 16E.]

MIDDLE WORLD HISTORY – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

Specific areas of study will include:

- Early Africa, Asia, America
- Renaissance
- Revolutions
- Middle Ages
- Colonization
- World: 1815-1914

[State requirements met: 14E, 14F, 16A, 16B, 16C, 16D, 16E.]

LATE WORLD HISTORY – Elective

Prerequisite: None
Grade Level: 9 – 12
Course Length: 1 semester
Credit: ½

Specific areas of study will include:

- Europe: 1815-1914
- Great Depression
- Cold War
- World War I
- World War II
- Cultural Advancements

[State requirements met: 14E, 14F, 16A, 16B, 16C, 16D, 16E.]

ASIAN HISTORY – Elective

Prerequisite: US History or Currently Enrolled in US History
Grade Level: 11 – 12
Course Length: 1 semester
Credit: ½

Asian History will provide students with an opportunity to learn the importance of Asian history and cultures of world history. This course will supplement the World History courses already take by MHS students.

Topics Discussed:

- India's Great Civilization
- East and South Asia
- Empires of Asia
- Asia's Participation in WWI
- Asia's Participation in WWII
- The World in Transition
- China's Flourishing Civilization
- Asian Religions & Philosophies
- Division of Asia
- Nationalism in Asia
- Asia and the Pacific

[State requirements met: 14.B.5, 14.E.5, 15.E.5c, 16.A.5a (W), 16.B.5b (W), 17.B.5, 17.D.5, 18.C.5]

SPANISH

SPANISH 1 – Elective

Prerequisite: A OR B average in English courses is strongly recommended.
Grade Level: 9 – 12
Course Length: 1 year
Credit: 1

Students who enroll in Spanish I will be introduced to the four basic communication skills: reading, writing, listening, and speaking Spanish.

Students in Spanish I will be provided with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammar skills. Spanish I course work will include classroom, small group, cooperative learning groups and individual activities and projects from the following areas:

- Vocabulary
- Reading/Writing Skills
- Communication/Listening Skills
- Grammar
- Geography
- Culture

By participating in the above activities, students in Spanish I will learn how to recognize, respond to, and produce the Spanish language.

[State requirements met: 28 A, B, C, D; 29A,B, C, D, E; 30 A, B.]

SPANISH 2 – Elective

Prerequisite: Spanish I, must have a C or higher in Spanish I
Grade Level: 10 – 12
Course Length: 1 year
Credit: 1

Students who enroll in Spanish II will be introduced to more advanced verb tenses and grammatical concepts. Greater emphasis will be placed on conversation and writing in Spanish. Students will also begin reading short stories.

Students in Spanish II will be building on to knowledge gained in Spanish I. Coursework will include classroom, small group, cooperative learning groups and individual activities and projects from the following areas:

- Vocabulary
- Grammar
- Communication/Listening Skills
- Reading/Writing Skills
- Short Stories
- Skits
- Dialogues
- Culture

Students in Spanish II will learn a wide variety of vocabulary and grammar that will enhance their communication and writing skills in Spanish.

[State requirements met: 28 A, B, C, D; 29 A, B, C, D, E; 30 A, B.]

SPANISH 3 – Elective

Prerequisite: Spanish II, must have a C or higher in Spanish II
Grade Level: 11 – 12
Course Length: 1 year
Credit: 1

Students in Spanish III will continue building on to vocabulary and grammar skills learned in the first two levels. This course will focus on more advanced conversational, reading, and writing skills. A combination of these skills and technology will enhance language learning.

Students who enroll in Spanish III will be exposed to the Spanish-speaking world and its culture through activities and projects from the following areas:

- Vocabulary
- Communication/Listening Skills
- Reading/Writing Skills
- Proverbs
- Skits
- Grammar
- Literature
- Role-playing
- Cartoons
- Dialogues

Spanish III students will learn real-life communication skills that will make them effective communicators in the Spanish language.

[State requirements met: 28 A, B, C, D; 29 A, B, C, D, E; 30 A, B.]

SPANISH 4 – Elective

Prerequisite: Spanish III, must have a C or higher in Spanish III
Grade Level: 11 – 12
Course Length: 1 year
Credit: 1 – weighted

The main focus of this course will be communication in Spanish. When reading, writing, and speaking in Spanish, students will be incorporating vocabulary and grammar from the first three levels. The use of technology in the classroom will enhance lessons.

Students who enroll in Spanish IV will be exposed to the Spanish-speaking world and its culture through a variety of advanced activities and projects from the following areas:

- Literature
- Culture
- Cartoons
- Dialogues
- History
- Proverbs
- Role-playing
- Skits

Spanish IV students will learn higher-level thinking and problem solving skills that will enhance real life communication.

[State requirements met: 28 A, B, C, D; 29 A, B, C, D, E; 30 A, B.]

FRESHMAN ACADEMY

FRESHMAN ACADEMY - Elective

Prerequisite: None
Grade Level: 9

Course Length: 1 semester
Credit: ½

Students will examine their interests, skills, work values, and educational objectives. These will then be used to explore occupations and career clusters that best "match up" with their personal characteristics. Students will be urged to evaluate occupational possibilities for themselves and to plan their educational program around their decisions. Also covered are general job skills and job ethics needed to be a successful employee.

WHITESIDE AREA CAREER CENTER (WACC)

WACC provides junior/senior level training in five cluster areas of Business and Related Technology, Consumer Services, Industrial Technology, Transportation Services, and Work Experience Coop. Education. These clusters represent 17 different occupational training areas. WACC has articulation agreements in place with Sauk Valley Community College whereby college credit can be earned for WACC classes taken while still in high school.

AUTOSERVICE 1&2 is a one- or two-year program offered to junior and senior students. First year students will be building basic repair skills such as lubrication, brakes, engine tune up, suspension, fuel injection, computer controls, electrical systems, exhaust systems, transmissions and clutches, cooling systems, and heating and air conditioning. Second year students will learn engine rebuilding, transmission rebuilding, differential operation, engine diagnostics, and qualifying students can participate in work-based learning at various job sites in order to gain real world work experiences while going to school. Employment opportunities include quick lube, independent garages, new car and truck dealerships, auto parts counter person, agricultural mechanic, diesel mechanic, and motorcycle-snowmobile-ATV mechanic. ***No dual credit available.***

BUILDING & CONSTRUCTION TRADES is a one- or two-year program offered to junior and senior students. This course provides experiences related to the construction and maintenance of residential buildings and related fixtures. During the year, students will spend 80% of their time at a job site constructing a residential house and 20% in the classroom. Instruction will include safety principles, framing, plumbing, wiring, roofing, installing insulation, dry wall, painting, pouring concrete, landscaping, estimating materials, blueprint reading, hanging cabinets, siding, hanging doors, heating and air conditioning, masonry, and finish work. Second year students are provided the opportunity to advance their skills in the construction trades. ***6 Dual Credits with Highland Community College: 3 credits for MTEC 240 and 3 credits for MTEC 245***

EARLY CHILDHOOD EDUCATION is a one-or-two year program offered to junior and senior students. This class is an introduction to recent trends of early childhood education. The courses include a study of growth and development; early childhood learning theories; types of early childhood programs; teaching methods and procedures; the role of the child care professional; and working with young children with special needs.

This program provides preparation and a practicum for students interested in a variety of educational fields, such as; preschool teachers, teacher's aides, elementary teachers, speech/pathology teachers, and social workers. First year students will work on a weekly basis with children at our on- site laboratory called, "Kiddie Kampus Preschool." Second year students will work with a cooperating teacher at a work-base-learning site for three days a week during both semesters of the school year. This work-based learning site could be a daycare center, preschool program, elementary school, or a location specific to a students' career interest. (ie: special education, speech teacher, social worker) ***No dual credit available.***

COMMERCIAL FOOD SERVICE is a one- or two-year program open to juniors and seniors. Students explore Culinary Arts, restaurant management, catering, and have the opportunity to earn the Illinois Food Service Sanitation Managers Certification. Occupational skills taught include care and use of commercial equipment, food preparation, customer service, management, and nutrition. Students in this program will receive weekly hands-on experience in the WACC commercial kitchen and provide food services for the public. ***No dual credit available.***

COMPUTER TECHNOLOGY is a one-or-two year program offered to junior and senior students who want to work with the repair and networking of computers. Students entering this program will learn the essentials of repairing, maintaining, and networking of computers for both home and small business environments. The latest methods of networking and configuring operating systems will be used in the class. Second year students will continue with courses exploring Microsoft Workstation Operating Systems,Server Operating Systems, and Linux Distributions. Qualified students will acquire the skills to potentially pass the CompTIA A+, Network+, Linux+, and/or Microsoft Certified Professional Certification. ***Dual credit is pending.***

CRIMINAL JUSTICE is a one year program designed to train students in various aspects of law enforcement, criminal justice, and the legal system. Students will receive instruction in skills needed for careers in associated fields; e.g. police officers, prosecuting and defense attorneys, probation and parole officers, crime scene investigators, correctional officers, etc. Major objectives of the program include: history of law enforcement, constitutional law, Illinois law, courts and the legal system, communication and dispatch operations, report writing and records, criminal investigations, search and seizure, community relations, patrol functions, traffic investigations, corrections, private security operations, criminology, and other related areas. Computers and role play scenarios are used to enhance the student's learning experiences and provide an introduction to practical experiences which might be expected in the field. Community activities will include field trips and job shadowing experiences. The development of employability and transition skills is included in the course as a basic component of the program. ***No dual credits available.***

DIGITAL MEDIA ARTS is a one- or two-year program offered to junior and senior students. The classes are for visual and creative thinkers as well as computer geeks interested in cutting edge digital and media arts. The program offers the latest trends, techniques and technologies in the ever-evolving multimedia field. The wide variety of our curriculum provides opportunities to build skills for future success in careers as an illustrator, a desktop publisher, a photographer, a graphic artist, a digital video editor, in video studio staging, a film maker, a computer animator, a sound engineer, a camera operator, a web designer or other positions in the exciting and growing recording, entertainment and digital media arts field.

Students work at their own pace and get “hands-on” experience using state-of-the-art software, sound equipment, cameras, printers and broadcasting equipment in our sound and lighting studios.

All classes begin each fall and spring semester and you will take two classes per semester. All classes are dual-credit classes. You will receive high school and college credit at no cost to the student. Students completing a selection of five classes will receive a Certificate in Graphic Design and students completing an additional three elective classes will receive an Advanced Certificate in Digital Media Arts from Sauk Valley Community College. Students not able to complete the certificates while attending WACC are invited to enroll at Sauk Valley Community College after high school to finish the certificate requirements if they so choose.

30 Dual Credits with SVCC: ART 100-Media Arts, ART 103-Digital Photography, ART 105-Motion Graphics, ART 107-Digital Drawing, ART 231-Graphic Design, ART 234-Multimedia, ART 236-Film and Video, ART 237-Image and Sound Recording, ART 238-Interactive Media Design, ART 299-Topics and Issues (3 credits per course = 30 total credits offered).

HEALTH OCCUPATIONS (CAN) is a one-year program offered to junior and senior students that are interested in pursuing a career in the medical field. Upon completion of the Illinois Department of Public Health (IDPH) requirements, the students will be eligible to take the State Certified Nursing Assistant exam at the end of the school year. The students must meet the following criteria to be successful in Health Occupations I: 1) Achieve a C or better each quarter throughout the year on the coursework, 2) Be competent at the 21 skills in the laboratory and at the clinical site, 3) Have excellent attendance throughout the school year, and 4) Pass the criminal background check. Students must have an outstanding work ethic, be self-motivated, and take initiative to be successful in Health Occupations. Are you ready for the challenge? ***9 Dual Credits with SVCC: 4 credits for NRS101, 1 credit for NRS 102, 4 credits for NRS103***

ALLIED HEALTH is a one-year program offered to junior and senior students that are interested in pursuing a career in various medical fields. Students are in the classroom two or three days per week, and at clinical sites the other days. Students change clinical sites each quarter and classroom/coursework is offered the other two/three days per week. Clinical sites include, but are not limited

to, hospitals, clinics, long-term care facilities, chiropractors, veterinary clinics, physical therapists, etc. Students can practice in different areas of the medical field, such as Maternal-Child Nursing, Geriatrics, Emergency Nursing, Radiology, Dental Medicine, Veterinary Science, and more. Make a difference as a health care provider! Students interested in participating in the work-based learning program will need to pass the SVCC entrance exam and be recommended by his or her counselor. ***6 Dual Credits with SVCC: 3 credits for Medical Terminology (NRS116) and 3 credits for Diet and Nutrition (NRS132)***

MACHINE & MANUFACTURING TECHNOLOGY is a one- or two-year program offered to junior and senior students. The first year provides skills for entry into machine shop and metal working occupations. Students learn machine skills through the making of tools such as center punch, plumb bob, hammer, parallel bars, vise clamp, gavel, and more. The second year students further refine first year skills while learning advanced techniques and machining processes. Curriculum includes machine grinding techniques, lathe and mill operations, EDM and CNC programming, blueprint reading, and heat treatment. ***3 Dual Credits available with Highland Community college: MTEC 151***

PRE-ENGINEERING & DESIGN TECHNOLOGY is a one or two-year program offered to junior and senior students. This program is designed to prepare a student to enter a wide variety of occupational careers with a foundation in mechanical engineering. Mechanical engineering is used in many different engineering fields, such as aerospace, automotive, biomedical, industrial, and naval, as well as many of the renewable energy fields becoming more prevalent in our area. This program will also prepare students for a career in machining. Students will have the ability to explore a variety of topics for short periods of time to gain many skills. This program is divided into 8 units, which are print reading, CAD (computer aided drafting), manual machines, CNC (computerized numerical control) machines, electricity, robotics, design, mechanics, and competition. Second year students may select one or more of the above units to focus on depending on their career choice. Designing and producing a product from beginning to end can be exciting and rewarding. ***3 Dual Credits available with Highland Community college: MTEC 151***

WELDING & FABRICATION is a one- or two-year program offered to junior and senior students. Welding and metal fabrication techniques will be taught through hands-on experience. Topics include various types of welding, machine operations, welding blueprints, and metallurgy principles. The second year will provide the student with the opportunity to obtain advanced training on components of welding and metal fabrication. ***2 Dual Credits with SVCC: WELD 106***

Work-Based Learning Programs are offered in many WACC programs. Students interested in participating in the work-based learning program should see their WACC Instructor regarding criteria.