

# Woodland High School



## *Course Description*

2011-2012

## INTRODUCTION

The following pages include a listing of courses of study offered for grades 9-12 at Woodland High School. A description of each course is given, along with credit given and prerequisites. Through thoughtful planning and consultation with the guidance counselor and faculty, each student should be able to plan a course of study that offers adequate preparation for achievement of his/her goals in life.

All students are expected to study this guide carefully and to see that their parents are acquainted with all of the requirements and procedures. Graduation requirements are listed within this guide to assist you in planning.

Once the students have selected their courses, it will be necessary to secure the signature of a parent on the pre-registration worksheet. Students are expected to stay with the schedule they select throughout the entire year. If there are questions that occur to you or to your parents as you plan your schedule, be sure to ask teachers and the guidance counselor or principal in order to prepare accurately.

<b>COURSE TITLES</b>	<b>PAGE</b>
<b>AGRICULTURE</b>	
AG SCIENCE I.....	5
AG SCIENCE II.....	5
AG SCIENCE III- SUPPLY AND SERVICES.....	5
AG SCIENCE IV-AGRIBUSINESS.....	6
SUPERVISED AG EXPERIENCE I.....	6
SUPERVISED AG EXPERIENCE II.....	6
AG FOOD TECHNOLOGY.....	6
AG MECHANIZATION AND TECHNOLOGY.....	6
AG MACHINERY AND SERVICE.....	7
AGRICULTURAL TOOLS AND CONSTRUCTION.....	7
INDEPENDENT AG PROJECTS.....	7
HORTICULTURE.....	7
GREENHOUSE MANAGEMENT.....	8
FLORAL DESIGN/LANDSCAPE PLANTS.....	8
FLORAL DESIGN/LANDSCAPE PLANTS II.....	8
<b>ART</b>	
ART I.....	9
ART II.....	9
ART III.....	9
PAINTING.....	9
DRAWING.....	10
CERAMICS I.....	10
CERAMICS II.....	10
<b>BUSINESS EDUCATION</b>	
BUSINESS CONCEPTS.....	11
MARKETING.....	11
ACCOUNTING.....	11
ACCOUNTING II.....	11
COMPUTER APPLICATIONS.....	12
COMPUTER APPLICATIONS II.....	12
DESKTOP PUBLISHING/COMPUTER PROGRAMMING.....	12
WEB PAGE DESIGN.....	12
<b>FOREIGN LANGUAGE</b>	
SPANISH I.....	13
SPANISH II.....	13
SPANISH III.....	13
SPANISH IV.....	13
<b>LANGUAGE ARTS</b>	
ENGLISH I.....	14
ENGLISH II.....	14
ENGLISH III.....	14
ENGLISH IV.....	15
COLLEGE PREP ENGLISH IV.....	15
INTRO TO PUBLIC COMMUNICATION.....	15

CREATIVE WRITING.....	15
JOURNALISM.....	16
WRITING.....	16
WRITING II.....	16
<b>FAMILY AND CONSUMER SCIENCES</b>	
CHILD DEVELOPMENT I.....	17
CHILD DEVELOPMENT II.....	17
PARENTING.....	17
FOODS AND NUTRITION I.....	18
FOODS AND NURTRION II.....	18
APPARELS I.....	18
APPARELS II.....	19
PERSONAL DEVELOPMENT.....	19
INTERIOR DESIGN.....	19
<b>MATHEMATICS</b>	
ALGEBRA IA.....	20
ALGEBRA IB.....	20
ALGEBRA 1 PART 1.....	20
ALGEBRA I PART 2.....	21
GEOMETRY NO PROOF.....	21
GEOMETRY PROOF.....	21
ALGEBRA II.....	22
ADVANCED ALGEBRA.....	22
TRIGONOMERTY.....	22
CALCULUS.....	23
<b>MUSIC</b>	
CHORUS.....	24
<b>PHYSICAL EDUCATION</b>	
PE.....	25
DRIVERS ED.....	25
HEALTH.....	26
<b>SCIENCE</b>	
LIFE SCIENCE.....	27
PHYSICAL SCIENCE.....	27
BIOLOGY I.....	27
BIOLOGY II.....	27
HUMAN ANATOMY AND PHYSIOLOGY.....	28
CHEMISRTY I.....	28
CHEMISTRY II.....	28
<b>SOCIAL SCIENCE</b>	
SOCIOLOGY.....	29
ECONOMICS.....	29
GEOGRAPHIC WORLD HISTORY I.....	29
GEOGRAPHIC WORLD HISTORY II.....	29
MODERN HISTORY.....	30
US HISTORY I.....	30

US HISTORY II .....	30
TODAY'S WORLD .....	31
GOVERNMENT.....	30
CONSUMER EDUCATION .....	30

**I. MISCELLANEOUS INFORMATION ABOUT WOODLAND HIGH SCHOOL**

**A. School Day: FIRST DAY OF SCHOOL**

There are eight class periods that are 44 minutes long, and a student is allowed five minutes to pass between classes.

**B. GRADUATION REQUIREMENTS**

4.0 English

English I (1)

English II (1)

English III (1)

English IV (1)

1.0 Writing

3.0 Math

2.0 Science

.5 Consumer Ed.

4.0 PE

.5 Health

.5 Driver Education

1.5 Social studies

U.S. History (1)

Government (1/2)

1.0 Chosen from Music, Art, Foreign Languages and Vocational

8.0 Electives

**26.0 TOTAL**

## II. COLLEGE ENTRANCE REQUIREMENTS

The State Board of Higher Education hereby announces that it has established statewide minimum admission standards for public colleges and universities in Illinois. They are:

- 4 English (English I, English II, American Literature, College Prep English, Intro to Speech, and Composition)
- 4 Math (Algebra I, Geometry, Algebra II, Pre-Calculus, and Calculus)
- 3 Science (Earth Science, Biology I, Biology II, Chemistry I, Chemistry II, Human Anatomy & Physiology, and Physics)
- 3 Social Studies (Intro to Social Sciences, U.S. History, Government, World History, Today's World, Sociology I, World Geography, and U.S. Geography)
- 2 Foreign Language, Art, Music, and/or Vocational Education
- 4 PE/Health/Driver Education
- .5 Consumer Education
- Electives

### 26 TOTAL CREDITS

### GRADING SCALE

The board of Education has adopted the following grading system:

Grade	Accelerated	Regular
A	4.50 pts.	4.0 pts
B	3.50 pts.	3.0 pts.
C	2.50pts.	2.0 pts
D	1.50 pts.	1.0 pts.
F	0.0 pts.	0.0 pts.

### ACCELERATED COURSES

The following courses will receive accelerated credits:

- Spanish IV
- Biology II
- Physics
- Human Anatomy and Physiology
- Chemistry II
- AP Calculus
- English IV College Prep

# Agriculture

## **Ag Science I**—2 Semesters 1 Credit LEVEL 9-10 preferred, 11-12 accepted (Prerequisite: FFA Member)

This introductory course provides an opportunity for students to learn how the agricultural industry is organized. Its major components; the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Both agribusiness and production applications are presented. Basic concepts in the animal science, agricultural resources, and agribusiness management will be introduced. Microcomputer applications are introduced as well as an introduction to the FFA organization. Because FFA and Supervised Agricultural Experience Programs are integral components of this course students are encouraged to maintain a SAEP and to participate in activities of the FFA organization. Students will be required to be an FFA member and participate in 2 FFA activities per semester. *State Course ID:18001A001*

## **Ag Science II**- 2 Semesters 1 Credit Level 10-12 (Prerequisite: Ag Science I or consent of instructor)

This second year course presents basic concepts of Agribusiness and production applications not introduced in Ag Science I. Major units of instruction include plants and soil science; livestock reproduction, meat evaluation, pest management, plant fertilization, plant propagation as well as basic shop skills. Because FFA and Supervised Agricultural Experience Programs are integral components of this course students are encouraged to maintain a SAEP and to participate in activities of the FFA organization. Students will be required to be an FFA member and participate in 2 FFA activities per semester. Math and science skills are stressed throughout this course as well as skills with microcomputer applications. *State Course ID: 18003A001*

## **Ag III (Supply and Services)**- 2 Semesters 1 Credit level 11-12 (Prerequisite: Ag Science I and II)

This course is designed to develop student knowledge and skills in the area of business operations. Instructional units include sales techniques and strategies, business procedures, human relation skills, customer relations, marketing and advertising, as well as sales related duties. Students will learn to draft letters of application and to create resume, and learn skills they need to help them better apply and interview for jobs. Another goal is to increase student knowledge and skills in product service areas. Because FFA and Supervised Agricultural Experience Programs are integral components of this course students are encouraged to maintain a SAEP and to participate in activities of the FFA organization. *State Course ID: 18202A001*

**AG IV (Agribusiness Management)**- 2 Semesters 1 Credit Level 11-12  
(Prerequisite: Ag Science I and II)\*\*\*\**Course fulfills Consumer Education Requirement.*

This capstone course is designed to develop student skills in the areas of advanced business procedures, establishment of business, managing the business, alternative modes of business, financing the business, reducing business risk, agriculture law, commodity marketing, budgeting, cash flow, investment, taxes, business and financial analysis. Because FFA and SAE programs are integral components of this course students are encouraged to maintain an SAEP and to participate in activities of the FFA organization *State Course ID: 18003A001*

**Supervised Agricultural Experience I**-2 Semesters .5 Credit Level 9-10  
(Prerequisite: Ag Science or consent of instructor)

This independent program is for students in 9<sup>th</sup> or 10<sup>th</sup> grades. Students receiving vocational credit in this must be enrolled in an approved agricultural program sequence. Individual students will have a minimum of one approved project or acceptable plans for doing so. Supervised study, project record book, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised occupational experience. This course is not scheduled into the regular school day. *State Course ID: 1899A001*

**Supervised Agricultural Experience II**- 2 Semesters .5 Credit Level 11-12  
(Prerequisite: Supervised Agricultural Experience I)

This independent program is for 11<sup>th</sup> and 12<sup>th</sup> grade agricultural students. The opportunities and responsibilities are similar to those discussed under SAE I with the exception that the experience are conducted at a more advanced level of skill training. The project will be expanded as the student progresses through the agricultural process. This course is not scheduled into the regular school day. *State Course ID: 1899A001*

**Ag Food Technology**- 1 Semester (1<sup>st</sup> Semester Class) .5 Credit Level 9-12  
(Prerequisite: None)

This course will focus on food science as it relates to preservation of food products, food processing, food biotechnology, food selection, and consumer safety. Two major units of instruction will include meat and dairy production from the farm, through processing, to the consumer. ***Students enrolled in this class are required to be FFA members.*** They will also be required to participate in one FFA activity approved by the instructor during the Fall Semester as part of their grade. *State Course ID: 18305A001*

**AG Mechanization and Technology**- 2 Semesters 1 Credit LEVEL 1-10,  
11-12 acceptable (Prerequisite: None)

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic fundamentals of electricity, welding, woodworking, drafting, cold metal work, electronics and shop equipment safety. Because FFA and Supervised Agricultural

Experience Programs are integral components of this course students are encouraged to maintain an SAEP and to participate in activities of the FFA organization. Students will be required to construct various projects throughout the year and a fee will be accessed to cover the costs of these projects. *State Course ID: 18401A001*

**Ag Machinery and Service**-2 Semester 1 Credit Level 10-12 (Prerequisite: Ag Mechanization and Technology)

This comprehensive course concentrates on the following areas: Using service manuals to assemble and adjust agricultural equipment, recondition and repair equipment, fundamentals and small engines, MIG welding, plasma cutting, spray painting, hydraulics, and the concepts of multi-cylinder engines. Students will be expected to use these skills in assigned projects that may be done individually or as a class. Because FFA and Supervised Agricultural Experience Programs are integral components of this course students are encouraged to maintain an SAEP and to participate in activities of the FFA organization *State Course ID: 18449A001*

**Agricultural Tools and Construction**-2 Semester 1 Credit LEVEL 10-12 (Prerequisite: Ag Mechanization and Technology) Lab Fee: Students will be expected to pay for individual projects

In this course, through hands on activities, students will explore agricultural tools and construction. Instruction areas include: wood species identification and use in agricultural settings, lab safety, hand tool identification, basic agricultural structural design, designing and agricultural structure, and building and agricultural structure. Depending on the time needed to design and build an agricultural structure, students may have an opportunity to complete smaller individual projects related to agriculture. *State Course ID: 18403A001*

**Independent AG Projects**-2 Semester 1 Credit LEVEL 11-12 (Prerequisite: Ag Tools and Construction) Lab Fee: Students expected to pay for their own project

This course is offered to juniors and seniors who are thinking of pursuing a career in the AG Construction Industry, or have a need to learn and practice agricultural construction fundamentals for other personal endeavors. Each student will have one assigned project, which must have the instructor's approval. Projects will be accepted based on if they are related to the agricultural industry and if they will further develop a student's agricultural construction or maintenance skills. *State Course ID: 18405A001*

**Horticulture**-2 Semesters 1 Credit Level 9-12 (Prerequisite: none)

This course is an introduction to opportunities that exist in the horticulture field. Areas covered include: environmental factors which affect plant growth, plant propagation, fruit and vegetable production, tree and flower identification, greenhouse production, flower arrangement, designing and maintaining landscapes. Because FFA and Supervised Agricultural Experience Programs are integral components of this course students are encouraged to maintain an SAEP and to participate in activities of the FFA organization. Students who successfully complete an SAE will receive ¼ credit / semester. *State Course ID: 18051A001*

**Greenhouse Management**-2 Semesters 1 Credit Level 10-12 (Prerequisite: Horticulture)

This hands on course will be geared to give students the skills needed to operate and manage a greenhouse by letting them plan, budget, produce and sell products from the greenhouse. Students will also learn about greenhouse design principles. Units in Hydroponics and Agriculture will also be introduced. Students who take this class should like to work with plants and expect to do so 75% of the time in the greenhouse. Classroom instruction will only be 25%. Students are encouraged to participate in FFA and maintain an SAEP. Students who successfully complete an SAE will receive ¼ credit per semester. *State Course ID: 18053A001*

**Floral Design/Landscape Plants**-2 Semesters 1 Credit Level 9-12 (Prerequisite: None)

This course is going to be a mixture of floral design and landscape plants. The students will learn about a wide variety of trees and shrubs that are used in landscapes across the United States. The students will learn how to identify common landscape plants and they will learn how to correctly spell scientific names of these plants. During the floral design portion of the course the students will use basic design principles to make silk and real flower arrangements. They will also be learning about the processing, marketing, and selling of floral designs. *State Course ID: 18053A001*

**Floral Design/Landscape Plants II**-1 Semester .5 Credit Level 10-12 (Prerequisite: Floral/Landscape I)

This course is a mixture of floral design and landscape plants. The floral design portion of the course has the students using basic design principles to make silk and real flower arrangements. The students will be using skills learned in the Floral I to do more advanced work. They will also be learning about the processing, marketing, and selling of floral designs and will be conducting a marketing project within the school and one throughout the community. This class will also incorporate a small portion of landscape design where the students will be designing a landscape for an area around the school or for a member of the community. They will be using the plants learned in Floral and Landscape Plants I to develop a unique design. *State Course ID: 18053A001*

**Independent Ag- Agriculture Mechanics and Construction** —2 Semesters 1 Credit Level 11-12 (Prerequisite: Consent of Instructor)

Agriculture Mechanics and Construction-Independent Study, often conducted with instructor as mentor, enables student to topics of interest related to agricultural mechanics and/or construction. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. *State Course ID: 18447A001*

**Independent Ag-Agribusiness**---2 Semesters 1 Credit Level 11-12 (Prerequisite: Consent of Instructor)

Courses in Agribusiness-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agribusiness. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. *State Course ID: 18247A001*

# Art

## **Art I**—2 Semesters 1 Credit LEVEL: 9-12 (Prerequisite: None)

Students will learn an array of art techniques through different mediums. Each lesson will be based on a period in Art history. Tentatively Antiquity through the Renaissance in the first semester, followed by the Renaissance to Post-Modern in the second semester. *State Course ID: 05154A001*

## **Art II**—2 Semesters 1 Credit LEVEL: 10-12 (Prerequisite: Art I)

As an upper-level course, students will have more freedom and less restriction in their project choices. There will be more focus on developing technical skills and artistic expression. *State Course ID: 05199A001*

## **Drawing/Painting/Design** —2 Semester 1 Credit LEVEL: 10-12

(Prerequisite: Art I)

Many art techniques will be covered in this course, but many of the assignments will come from the students' ideas. Following is a list of things that will be covered, but there will often be times where I will create assignments based on things that the class finds interesting. Several drawing projects will be assigned using various techniques and materials including (but not limited to): shading, charcoal (white and black), colored pencil, marker, oil pastel, chalk pastel, enlargements, "scribble" drawing, and still-lives. There will also be a unit of watercolor techniques including (but not limited to) artist's watercolors and watercolor pencil. We will also do a positive/negative tempera and some work with acrylics, working, ultimately, towards oil painting. There will be a sketchbook assignment due every week. Sketchbook assignments will be drawing and/or design. There will be one three-dimensional/design project. Each student will be responsible for writing a two-page paper. The topic will be "My Personal Art History." Quizzes will be taken as deemed necessary to insure that the material is being learned. Illinois State Goal 26 will be covered extensively. Illinois State Goals 25 and 27 will be briefly highlighted. *State Course ID: G05155A001.*

## **Ceramics I**—1 Semester .5 Credit LEVEL: 10-12 (Prerequisite: Art I)

During this course, student's study and use basic methods of using clay, which includes slab, coil, and pinch pot. *State Course ID: 05159A001*

**Ceramics II**—1 Semester .5 credit LEVEL: 10-12 (Prerequisite: Art I)

During this course, students will continue developing their skills with hand, coil and slab building. The potter's wheel will be introduced and students will develop their throwing skills. *State Course ID: 05159A001*

**Independent Art** – 2 Semesters 1 Credit LEVEL 11-12 (Prerequisite: Art 1, Art 2)

Independent courses, often conducted with instructors as mentors, enable students to explore a particular art form or topic. Independent study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. *State Course ID: 05197A001*

# Business

## **Accounting I 2 semesters 1 Credit Level 10-12**

(Prerequisite: Algebra I)

Accounting is a skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. *Course Number #12104A001*

## **Accounting II 2 semesters 1 Credit Level 11-12**

(Prerequisite: Accounting I)

Accounting II will continue to build on the skills that are learned in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. *Course Number #12104A002*

## **Business Concepts 2 semesters 1 Credit Level 9-10**

This course is designed to introduce students to the world of business. It will also help prepare the students for their economic roles of consumer, worker, and citizen. We will cover a variety of topics such as: the economy, owning and operating a business, role of government, marketing, human resources, financial resources, technology, career planning, credit, money management and risk management. *Course Number #12001A001*

## **Computer Applications I 1 semester .5 Credit Level 9-12**

This is an introductory course to provide students with the knowledge of using a variety of computer programs that will make them successful in life. Students will learn

the basic operations of word processing programs, spreadsheet programs, multimedia programs and database programs. In this course students will learn to use Microsoft Office 2010. *Course Number #10004A001*

**Computer Applications II 1 semester .5 Credit Level 10-12**

(Prerequisite: Computer Applications I)

Computer Applications II is designed as a follow up course to Computer Applications I. This course will build on the skills and knowledge of word processing programs, spreadsheet programs, multimedia programs and database programs. Students will also develop projects that combine the software applications that were learned. In this course students will learn to use Microsoft Office 2010. *Course Number #10005A001*

**Desktop Publishing 2 semesters 1 Credit Level 10-12**

(Prerequisite: Computer Applications I/II)

The students will use their skills they acquired in Computer Applications and put them to use in the Desktop Publishing area. In desktop publishing they will be designing professional publications. Then we will cover computer programming. Students will get a brief introduction into what exactly computer programming is. *Course Number #10004A002*

**Independent Computers 2 semesters 1 Credit Level 11-12**

(Needs Instructor Approval)

This course will serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced computer skills. *Course Number #10047A001*

**Marketing 2 semesters 1 Credit Level 11-12**

This course is designed to introduce the student to the world of marketing and to help prepare them for their roles as consumer, worker, and citizen. Marketing shows students how to get a product or service out to the customer and gives them the tools to make these business decisions in our global economy. It also shows the student the creative part of the business world. *Course Number #12164A001*

**Web Page Design 2 semesters 1 Credit Level 11-12**

(Prerequisite: Computer Applications I)

This course is an exploratory course in Internet applications, web design and current web techniques. Students will learn to design web sites using a HTML programming and a variety of other programs designed for developing web pages. Students will leave this course with the ability to design their own web site and to better use the Internet as a resource tool. *Course Number #10201A001*

# Foreign Language

## **Spanish I**—2 Semesters 1 Credit LEVEL 9-12 (Prerequisite: None)

Spanish I is an introduction to the Spanish Language. Emphasis is placed on vocabulary and sentence structure. Students are given many chances to speak the language and develop listening skills. The Spanish culture (people, geography, music, food, etc.) is also discussed throughout the year. *State Course ID: 06101A001*

## **Spanish II**—2 Semesters 1 Credit LEVEL 10-12 (Prerequisite: Spanish I)

Spanish II is a continuation of Spanish I. Students will work on improving their fluency in the language. Emphasis is placed on conversation, grammar, expanding vocabulary and developing a deeper understanding of Spanish-speaking people and the countries from which they come. *State Course ID: 06102A001*

## **Spanish III**- 2 Semester 1 Credit LEVEL 11-12 (Prerequisite: Spanish II)

Spanish III is a continuation of Spanish II. Students work on continuing to improve their fluency in the language, employing more conversational situations and role-playing activities. There is increased emphasis on advanced grammar and vocabulary, as well as reading and discussing poems, short stories, and appropriate literary works. The histories and cultures of Spanish-speaking countries is also covered throughout the year. *State Course ID: 06103A001*

## **Spanish IV**-2 Semester 1 Credit LEVEL 12 (Prerequisite: Spanish III)

Spanish IV is a continuation of Spanish III. Students will continue to improve fluency with a continued emphasis on advanced grammar and vocabulary. Students will also read and discuss various poems, short stories, and other literary works. *State*

# Language Arts

## **English I**—2 Semesters 1 Credit LEVEL 9 (Prerequisite: None)

This course serves to improve students' use of the English language as it applies to reading and composition. English 1 provides opportunities for students to interact with basic literary concepts as well as compositions. Students read contemporary and classic literature. Students write various texts in response to readings. *State Course ID: 01001A001*

## **English II Sophomore World Literature**—2 Semesters 1 Credit LEVEL 10 (Prerequisite: English I)

Class will read and analyze literature from all over the world. The course will be organized by genre: short stories, poetry, drama, novels, etc. Students can expect an exam or major assessment following each genre or major work studied. A number of written assignments will be produced in this class including, but not limited to, a formal research paper, reading responses, short essays, letters, and journals. *State Course ID: 01002A001*

## **English III Junior American Literature**---2 Semesters 1 Credit LEVEL 11 (Prerequisite: English II)

This class is focused on American Literature and will be organized chronologically beginning with the Colonial Period and going into contemporary times. Works of all genres will be interspersed throughout the course including: short stories, novels, drama, and poetry. Students should expect some form of assessment following each major period in history that may be a formal essay, exam, or project. Students will be expected to produce a number of written assignments including formal papers, reading responses, journals, etc. Act practice will also be an integral part of this course as a way to prepare students for taking the English, reading, and writing portions of the Act exam. *State Course ID: 01003A001*

**English IV Senior College Prep---2 Semesters 1 Credit LEVEL 12**  
(Prerequisite: English III)

The focus of this class is British Literature taught chronologically from the Anglo-Saxon period, to contemporary times. Students will read from all genres including: short stories, poetry, novels, and drama. Students will use these materials as sources for writing material, or lecture discussion. Students will be given assessments over each major time period studied and the major works within that period, which may include a formal exam, formal paper, or project. As the main purpose of this class is to better prepare students for what to expect from college level English courses, students will be expected to produce many different formal writing assignments including a college application or scholarship essay and research paper. They will also be taught skills to assist them in analysis, editing, note taking, research, and MLA writing requirements. *State Course ID: 01004A001*

**English IV British Literature---2 Semesters 1 Credit LEVEL 12**  
(Prerequisite: English III)

The focus of this class is British Literature taught chronologically from the Anglo-Saxon period, to contemporary times. Students will read from all genres including: short stories, poetry, novels, and drama. Students will be assessed on their ability to grasp major concepts or themes in these readings, they will also be asked to answer basic comprehension questions, write short essays, or complete projects based on what they have read. Students will be expected to complete a research paper during the second semester of this class. The writing and research skill studied are based on what students will need to know going into a basic English or writing course in college. *State Course ID: 01004A001*

**Creative Writing and Journalism---2 Semesters 1 Credit LEVEL 10-12**

Creative Writing and Journalism will be taught in a split semester; first semester focusing on creative writing, and second semester focusing on journalism. In creative writing, students will learn the basics of: writing short stories, writing poetry, developing characters, setting, plot, using dialogue, etc. They will continue to build on prior knowledge of editing, grammar, and writing constructions.

Journalism will be offered the second semester of the school year and will consist of teaching the basics of journalism. In this class students will learn how to write newspaper articles for a number of different subject areas; they will learn about leads, editing writing, photo journalism, newspaper layout, and publishing. Several full issues of a newspaper will be published by the students in the class. *State Course ID: 01104A001*

**Writing I- 2 Semesters 1 Credit LEVEL 9-10 (Prerequisite: None)**

In this course, students will be guided through the entire writing process. Then, they will practice their writing skills by trying various types of writing including narration, description, persuasion, exposition, research writing, as well as a review of literature. Throughout the course, students will continually work on grammar, usage, and mechanics in order to improve their written communication skills. *State Course ID: 01103A001*

# Family and Consumer Sciences

## **Textiles and Design I** 1 Semester/.5 Credit/Level 9-12.

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project-based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. *State Course ID: 19201A001*

## **Textiles and Design II** 1 Semester/.5 Credit. (Prerequisite: Textiles and Design I)

This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering, and remodeling textile products. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment, and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs populations; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition. *State Course ID: 19203A001*

**Introduction to Family and Consumer Sciences Careers** 1 Semester/.5 Credit/Level 9-12.

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills. *State Course ID: 22201A001*

**Nutrition and Culinary Arts I** 1 Semester/.5 Credit/Level 9-12.

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompasses: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation. *State Course ID: 16054A001*

**Nutrition and Culinary Arts II** 1 Semester/.5 Credit. (Prerequisite: Nutrition and Culinary Arts I).

Nutrition and Culinary Arts II provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences. *State Course ID: 16054A002*

**Interior Design: Residential, Commercial, and Public Space**

1 Semester/.5 Credit/Level 10-12

This course provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential and commercial environments to meet the needs of the users/occupants. The course includes the application of the interior design elements and

principles; selection and care of furnishings, equipment and accessories in relation to socio-economic factors, trends, personal tastes and characteristics, as well as physical and psychological needs; safety, sanitation, and efficiency factors in interior design; and evaluating use and care of textiles. This project based course investigates a variety of related career opportunities, including entrepreneurship. Emphasis is placed on the application of project management skills. *State Course ID: 22211A001*

### **Family and Career Relationships** 1 Semester/.5 Credit/Level 10-12)

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal -setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations. *State Course ID: 22207A001*

### **Human Development and Family Wellness** 1 Semester/.5 Credit/ Level 10-12.

This course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care -giver; individual and family wellness planning; and fostering intergenerational relationships. Practical experiences related to these topics are included through a variety of activities such as volunteer experiences, service learning, and intergenerational event planning opportunities. Information on a variety of human and family services careers is incorporated throughout the course. *State Course ID: 19053A001*

### **Child Development and Parenting** 1 Semester/.5 Credit/Level 9-12)

Child Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio. *State Course ID: 19052A001*

**Foundations to Teaching** 1 Semester/.5 Credit/Level 11-12. (Prerequisite: Child Development and Parenting)

This course introduces students to the principles underlying teaching and learning, responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. A combination of classroom and field experiences will enable the student gain skilled knowledge and understanding of the education profession. Course content includes projects to develop an understanding of the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in the field of education, and Illinois regulations and licensing requirements. *State Course ID: 19151A001*

# Mathematics

**Algebra IA**—2 Semesters 1 Credit LEVEL 9-12 (Prerequisite: None)

Algebra IA is the first year of a two-year sequence that covers the topics of a traditional Algebra I. During Algebra IA, a student will study the concept of variable, properties of the real number system, solving linear equations and inequalities, and graphing linear relations. A graphing calculator will be used during this course. *State Course ID: 02053A001*

**Algebra IB**—2 Semesters 1 Credit Level 9-12 (Prerequisite: Algebra IA)

Algebra IB is the second year of the two-year sequence that covers the topics of a traditional Algebra I. During Algebra IB, a student will review the topics of Algebra IA, plus study systems of equations, exponents and exponential functions, quadratic relations, polynomials and factoring, rational expressions and radicals. A graphing calculator will be used during this course. *State Course ID: 02054A001*

**Algebra I**—2 Semesters 1 Credit Level 9-12 (Prerequisite: None)

This course considers the number system from natural numbers through real numbers together with their fundamental laws. Topics include set concepts, variables,

solution sets to equations and inequalities, factoring polynomials, fractional equations, graphing, solving two simultaneous equations, rational and irrational numbers, the Pythagorean Theorem, and quadratic equations *State Course ID: 0205A001*

**Algebra I Part 2**---2 Semesters 1 Credit Level 9 (Prerequisite: Algebra I Part 1)

This course is a continuation of Algebra I (Part 1). Topics include polynomials and nonlinear functions, factoring, quadratics, exponential functions, radical expressions and triangles, rational expressions and equations, statistics, and probability. A graphing calculator will be used during this course. *State Course ID: 0205S001*

**Geometry No Proof (NP)**—2 Semesters 1 Credit Level 10-12 (Prerequisite: Algebra I or Algebra IB)

No Proof Geometry will include a combination of plane (two-dimensional) geometry and some elementary solid (three-dimensional) geometry. Concepts, definitions, postulates, theorems, and logical patterns are presented. A graphing calculator will be used during this course. *State Course ID: 02071A001*

**Geometry Proof (P)**—2 Semesters 1 Credit Level 10-12 (Prerequisite: Algebra I or Algebra IB)

This course may be taken simultaneously with Algebra II. Geometry will include a combination of plane (two-dimensional) geometry and some elementary solid (three-dimensional) geometry. Concepts, definitions, postulates, theorems, and logical patterns are presented. Direct and indirect proofs will be discussed and completed. A graphing calculator will be used during this course. *State Course ID: 02072A001*

**Algebra II**—2 Semesters 1 Credit Level 10-12 (Prerequisite: Geometry or taking Geometry Proof Simultaneously)

This course may be taken simultaneously with Geometry (P). The concepts of Algebra I are reviewed and also developed in more detail. The real number system is extended to the complex number system. Explorations in matrix applications, quadratic functions and inequalities, systems of equations and inequalities, and radical expressions will occur. A graphing calculator will be used during this course. *State Course ID: 02056A001*

**Advanced Algebra 2**—2 Semesters 1 Credit Level 11-12 (Prerequisite: Geometry and Algebra II)

This course may be taken simultaneously with Trigonometry. Advanced Algebra is a college preparatory course examining the more complex concepts in a high school algebra sequence. Topics will include conic sections, polynomial functions, rational expressions, exponential and logarithmic functions, sequences and series, discrete mathematics, and probability. A graphing calculator will be used during this course.

*State Course ID: 02057A001*

**Trigonometry**—2 Semesters 1 Credit Level 11-12 (Prerequisite: Algebra II, Advanced Algebra II or taken Simultaneously)

This Course may be taken simultaneously with Advanced Algebra. Trigonometry will be presented from multiple perspectives including right triangles, coordinates in a plane, and circular functions. This course will include solutions to triangles, verification of identities, solutions to trigonometric equations, and vector and parametric applications. A graphing calculator will be used during this course. *State Course ID: 02103A001*

**Calculus AP**—2 Semesters 1 Credit Level 12 (Prerequisite: Trigonometry)

Calculus is the reformulation of elementary mathematics through the use of a limit process. The study of calculus involves pre-calculus mathematics (the length of a line segment, the area of a rectangle, and so forth), the limit process, and new calculus formulations (derivatives, integrals, and so forth). From an elementary point of view, we may think of calculus as a “limit machine,” that generates new formulas from old. A graphing calculator will be used during this course. *State Course ID: 02124A001*

**Below are some example high school mathematics course sequences (This list is not exhaustive).**

Algebra IA  
Algebra IB  
Geometry (NP)  
(Algebra II)?

Algebra I Part 2  
Geometry (P)  
Algebra II  
Advanced Alg

Algebra I Part 2  
Geometry (P)/Alg II  
Advanced Alg  
Trigonometry

Algebra IA  
Algebra IB  
Geometry (P)  
Algebra II

Algebra I Part 2  
Geometry (P)  
Algebra II  
Adv Alg 2/ Trig

Algebra I A  
Algebra IB  
Geometry/Algebra II  
Advanced Alg 2

Algebra IA  
Algebra IB  
Geometry (P)/Alg II  
Advanced Alg 2/ Trig

# Music

## **Chorus**—2 Semesters 1 Credit LEVEL 9-12

If you want to learn how to develop good singing technique and expand your knowledge of musical styles, Technique, and notation. Learn how to sight read, sing in tune, and work as a team. You will gain confidence in performing and know how to act in a performance setting. The chorus has these opportunities.

Audition for district II IMEA Festival

If you make auditions, Sing in chorus of 250 voices at Augustana College

Possibility of going to All State Festival @ Peoria

Fall “ Pop” concert. (sometimes)

Christmas Concert

Participation in T.C.C. Festival every other year

Participation in IHSA State solo/ensemble contest.

Fine Arts concert in March

H.S. Musical with Streator HS

Voice Tests

Sing at HS Graduation

Receive awards; Directors awards and a national chord award

Possible field trip to see Broadway musical

Grades based on:

Participation 25%

Behavior/Attitude 25%

Tests 25%

Performances (Required) 25%

*State Course ID: 05110A001*

# Physical Education

## **Physical Education**—2 Semesters 1 Credit LEVEL 9-12 (Prerequisite: None)

Students at Woodland High School are required to take regularly scheduled Physical Education classes for all four years, with the following exceptions: A school board is authorized to excuse pupils enrolled in grades 11 and 12 from engaging in physical education courses if those pupils request to be excused for any of the following reasons, 1) to enroll in academic classes which are required for admission to an institution of higher learning, provided that failure to take such classes will result in the pupil being denied admission to the institution of his or her choice, or 2) to enroll in academic classes will result in the pupil being unable to graduate. School boards that choose to exercise this authority shall establish a policy to excuse pupils on an individual basis. Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, dance, and fitness/conditioning activities. *State Course ID: 08001A001*

## **Driver Education**—1 Semester .5 Credit LEVEL 9-10 (Prerequisite: None)

The classroom phase of Driver Education is required for graduation. The classroom phase includes detailed study of the “rules of the road”, all aspects of being a good driver, including legal and financial responsibilities, hazardous driving conditions, defensive driving, parts of the automobile, and buying and maintaining an automobile. Lectures and films are used. Students and their parents who desire driving experience to fully qualify for a license receive behind-the-wheel training. According to the State Law, eligibility for enrollment in Driver Education requires that a student must pass the two consecutive semesters (eight classes) prior to enrollment. Freshman may take Driver Education during the second semester only. Enrollment of Freshman in the second semester will be based on availability of openings and according to earliest birth dates after all sophomores have been scheduled. *State Course ID: 08152A001*

## **Health Education**—1 Semester .5 Credit LEVEL 9-10 (Prerequisite: None)

The objective of this course is to stress good health techniques in fitness, nutrition, first aid, safety, survival, and to alert students to many dangers of smoking, alcoholic beverages, drugs, and diseases. A portion of the course also offers information on human sexuality and the meaningful relationships. Modern health treatments and the prevention of illness and disease are emphasized. *State Course ID: 08051A001*

# Science

## **Life Science**—2 Semesters 1 Credit LEVEL 9-10 or permission of teachers

This class is designed to meet the needs of high school students who did not intend to take more than a minimum of 2 years of science and/or would have difficulties with a biology course intended for college-bound students. It would include a wide range of topics including basic genetics, human anatomy, diversity of organisms and ecology as well as discussion of relevant social issues and lab/technology experiences. Students who have completed Biology I would not be eligible for this class and students who have completed this class would not be able to enroll in Biology II or Human Anatomy and Physiology without completing Biology I. *State Course ID: 03032A001*

## **Physical Science**—2 Semesters 1 Credit LEVEL 9-10 (Prerequisite: None)

A course surveying physical sciences by studying the earth and its systems. The major topics in the course include chemistry, physics, earth and space science, and technology. The course satisfies 1 year of the 2-year science requirements. *State Course ID: 03159A001*

## **Biology I**—2 Semesters 1 Credit LEVEL 9-10 (Prerequisite: The students must have a “B” or better in 8th grade science)

General course that covers scientific methodology, basic chemistry, cell structure, functions and reproduction, animal and human reproduction, genetics, evolution, taxonomy, ecology. This course also includes lab work. *State Course ID: 03051A001*

## **Biology II**—2 Semesters 1 Credit LEVEL 10-12 (Prerequisite: Biology I and Chemistry I)

Advanced course that concentrates on the study of the six kingdoms of living things. Taxonomy, structure and life cycles of Eubacteria, Archaeobacteria, Protists, Fungi, Plants, and Animals are examined. Extensive lab work will include bacterial/fungal culturing and animal dissection. *State Course ID: 0352A001*

## **Human Anatomy & Physiology**—2 Semesters 1 Credit LEVEL 11-12 (Prerequisite: Biology I and Chemistry I)

Major biological principles will be applied by students in this advanced course to the systems of the human body. Students will study the major systems of the human body and gain a better understanding of medical science. Lab work includes observation of body systems and the use of medical instruments. Careers in medicine and physiology will also be discussed. *State Course ID: 03053A001*

**Chemistry I**—2 Semesters 1 Credit LEVEL 10-12 (Prerequisite: Biology and C or better in Algebra I )

This is a general chemistry course covering various topics in chemistry, including the structure of matter, physical laws, and chemical reactions. Many laboratory experiments are performed to utilize the concepts learned. *State Course ID: 03101A001*

**Chemistry II** –2 Semesters 1 Credit LEVEL 11-12 (Prerequisite: Chemistry I and have taken or concurrently taking Algebra II)

This course is taken after a comprehensive initial study of chemistry (Chemistry I). The topics covered in this class are atomic theory and structure; Chemical bonding; states of matter; acids and bases; and reactions; stoichiometry; equilibrium; thermochemistry; electrochemistry; kinetic theory; and nuclear chemistry. *State Course ID: 03102A001*

**Physics**- 2 Semesters 1 Credit LEVEL 12 (Prerequisite: A in Algebra II if taking Advanced Algebra II and Trig at the same time or C or better in Trigonometry)

The purpose of this course is to introduce students to the fundamentals of classical physics; mechanics, electricity, magnetism, wave nature, sound, light, optics and modern physics. Students will build mathematical models of physical concepts using algebra and basic trigonometry. Instructional approaches include demonstrations, lectures, laboratory experiments, class discussions, homework, quizzes, tests and student participation. *State Course ID: 03151A001*

# Social Science

## **Sociology**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

A course that will look at human behavior in society and how it is developed by society and why. Topics that will be discussed are, societies expectations of behavior by groups, the importance of family, peers, social organizations in developing behavior in society, problems that society has with human behavior today, such teenage sex, drugs, crime, marriage, divorce, abuse and any other problems that are developing. *State Course ID: 04258A001*

## **Geographic World History I** – 1 Semester .5 Credit LEVEL 9-12 (Prerequisite: None)

Students will study the physical geography of the globe within the context of world history. Special emphasis will be given to understanding the effect of physical features, climate patterns, natural resources and the like on the political and cultural development of the world. Some areas of study will include pre-history, ancient civilizations, Middle Ages, exploration and revolution. *State Course ID: 04052A001*

## **Geographic World History II** – 1 Semester .5 Credit LEVEL 9-12 (Prerequisite: None)

Students will study the physical geography of the globe within the context of world history. Special emphasis will be given to understanding the effect of physical features, climate patterns, natural resources and the like on the political and cultural development of the world. Some areas of study will include imperialism, nationalism, Democracy, WWI&II, Cold War and Vietnam. *State Course ID: 04052A001*

## **U.S. History I**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

This course is a chronological study of the birth of our nation from its thirteen original colonies to the 1877 Reconstruction Period. Emphasis will be place on our establishing and maintaining independence form England, the evolution of our Democratic system, the Westward movement, the Civil War, and the reconstruction Era. *State Course ID: 04101A001*

## **U.S. History II**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

The continuing evolution of our country from the Gilded Age to the turn of the century and ending with our entrance into the 21<sup>st</sup> century. Emphasis will be placed on the evolution of our technology, World War I and II, the Vietnam War and United States current status in the global world. *State Course ID: 04101A001*

## **Today's World**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

Today's World is a semester length that examines and studies the current problems and issues facing the people of Earth. As the problems and issues of current events are examined, Consideration will be focused on elements of World Geography, basic principles of Economics,

and a comparison of types of governments. In order to understand where we are going we must be aware of where we have been. Emphasis will be given to the history leading to the current problems covered. *State Course ID: 04106A001*

**Government**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

American Government is class designed to prepare the student to be an active participant in the government. Areas covered in the course are other types of governments, voting importance, constitution of the U.S and Illinois, the make-up of our government, and what we must do to make it work effectively. *Course ID: 04151A001*

**Consumer Education**—1 Semester .5 Credit LEVEL 11-12 (Prerequisite: None)

This course is required by all seniors to graduate. They will learn banking techniques, budgeting, and understand the world as a consumer, worker, and citizen. They will learn how to use a checking and savings account, as well as understand the use of credit. They will also fill out a tax form, understand insurance, and create financial goals for themselves.