

Greenwood Middle & High School Course Description Guide 2018-2019



Please see Mrs. Davidson with any questions regarding scheduling or courses.

INTRODUCTION

The purpose of this guide is to assist students, parents, and school personnel in the selection of courses for a student's educational program. The guide contains general programming information, as well as Greenwood's graduation requirements.

When planning, students and parents should consider the student's ability, interests, and career goals. Time should be taken to study the entire guide so that a realistic and sound educational program can be planned. During this process, the guidance counselor will be available to help students make decisions about their course selections. Parents are welcomed to contact the counselor with their questions.

There are three *areas of study* offered at Greenwood. They are academic, tech prep/business, and agricultural. An academic program prepares a student for a four-year institution after high school graduation. Tech prep/business courses ready a student to enter a technical or two-year school. Students focusing in business often are prepared to enter the world of work at entry level positions after high school graduation or to continue their education at a post-secondary school. Agricultural courses prepare students to enter fields related to agriculture or related sciences. Students may choose courses from any area, in any combination. This allows for individual preferences and customized programming.

GREENWOOD'S MISSION STATEMENT

This mission of the Greenwood School District is to provide enriching, educational experiences for each individual student. We believe the foundation of these experiences is a partnership among the family, school, and community.

The learning environment will develop the skills necessary to produce responsible citizens in a rapidly changing and diverse world.

PERSONNEL

Dr. Nicholas Guarente
Mrs. Michele Dubaich
Mr. Adam Sheaffer
Mrs. Amy Davidson
Mrs. Barbara Sheaffer
Mrs. Cynthia Roush

Superintendent
Middle/High School Principal
Middle/High School Assistant Principal
Middle/High School Counselor
Special Education Director
Receptionist/Secretary

SCHOOL COUNSELOR

The School Counselor works with students throughout their middle and high school years to plan and select appropriate courses for their area of study. The counselor is available for student and parent conferences. Services and information available through the Counseling Office are vocational and career counseling, college and scholarship information, standardized testing, written recommendations and references, and help with personal issues that effect school behavior and performance.

GRADUATION REQUIREMENTS

The Greenwood School District requires twenty-seven (27) credits for graduation. Credits begin to accumulate in grade nine. Chapter V requirements, established by the Pennsylvania Department of Education, require a core curriculum of credits to be attained by each student. A listing of Greenwood School District and Chapter V Requirements are included for your information.

4	Credits in English	3	Credits in Science
3	Credits in Social Studies	3	Credits in Math
2	Credits in Humanities	.5	Credits in Health
.33	Credit in Phys. Ed per year	8.17	Elective Credits
1	Graduation Project	1	Credit Creative Computer Applications

Twenty-Seven (27) Total Credits

Humanities credits may be earned in the following courses:

Industrial Arts, Family & Consumer Sciences, Foreign Language, Band, Chorus, Music, English (units above those required), Social Studies (units above those required).



GRADUATION PROJECT: SCHOOL TO CAREER

Project Description:

The purpose of the Greenwood School District's graduation project is to provide students with the opportunity to explore career choices, to consider these choices in terms of their abilities and interests, and to make changes as they learn more about their skills and the importance of career planning. This process aids the student in identifying essential skills for the workplace of today and the future. The student will begin to think about his or her abilities and interests in school and other activities and how these relate to career choices. This project is a graduation requirement. The student will receive one credit for the completion of this project.

Requirements:

The Greenwood School District graduation project requires the student to attend scheduled School to Career seminars in which he or she will create a portfolio which includes the writing of a personal profile, a personal statement, a resume, letter of application, and other pertinent information. The student will be required to develop interviewing skills and participate in a mock interview. These requirements teach the student that the transition from school to career is an ongoing process that pertains to what they are doing *today* in the classroom, as well as in school activities and in after school or summer jobs.

**SUCCESSFUL COMPLETION OF THIS PROJECT
IS REQUIRED FOR GRADUATION.**



REQUIRED MINIMUM PROGRAMS BY GRADE LEVEL:

Grade 12

In 12th grade students are encouraged to schedule 6.833 credits.

Required Courses:

<u>COURSE</u>	<u>MTG/CYCLE</u>	<u>CREDIT</u>
English 12	6	1.00
Physical Education	2	<u>0.33</u>
	Total	1.33

A combination of 5.5 additional elective credits/or remaining graduation requirements must be chosen from the course descriptions.

Grade 11

In 11th grade students are encouraged to schedule 7.833 credits.

Required Courses:

<u>COURSE</u>	<u>MTG/CYCLE</u>	<u>CREDIT</u>
English 11	6	1.00
History	6	1.00
Math	6	1.00
Science	6	1.00
Health (if not taken in 10 th grade)	3	0.50
Physical Education	2	0.33
Creative Computer Applications	6	1.00
Graduation Project		<u>1.00</u>
	Total	6.83

Approximately 1 additional elective credit must be chosen from the course descriptions.

Grade 10

In 10th grade students are encouraged to schedule 6.833 credits per year.

Required Courses:

<u>COURSE</u>	<u>MTG/CYCLE</u>	<u>CREDIT</u>
English 10	6	1.00
History	6	1.00
Math	6	1.00
Science	6	1.00
Physical Education	2	0.33
Health	2	<u>0.50</u>
	Total	4.83

Approximately 2.5 additional elective credits must be chosen from the course descriptions.

Grade 9

Students are encouraged to schedule 6.833 credits per year.

Required Courses:

<u>COURSE</u>	<u>MTG/CYCLE</u>	<u>CREDIT</u>
English 9	6	1.00
History	6	1.00
Biology	6	1.00
Math	6	1.00
Business Applications	6	1.00
Physical Education	2	<u>0.33</u>
	Total	5.33

1.5 additional elective credits must be chosen from the course descriptions.

Courses specific to an area of study should be discussed with the counselor when scheduling.

Grade 8
COURSE

English
Social Studies
Pre-Algebra
Science 8
Spanish Exploration
Physical Education
School to Career I (semester)
Exploratory Agriculture (semester)
Health (quarter)
Art (quarter)
Industrial Arts (quarter)
Family and Consumer Science (quarter)
Chorus/Band (optional)

Grade 7
COURSE

English
Social Studies
Math 7
Science 7
Developmental Reading
Physical Education
School to Career II (semester)
Environmental Exploration (semester)
Health (quarter)
Art (quarter)
Wood Tech (quarter)
Family and Consumer Science (quarter)
Chorus/Band (optional)

COURSE WITHDRAWAL

Withdrawal from a course must occur by the completion of the first two 6-day cycles. Request for withdrawal from a course after the two 6-day cycles have ended requires a parent conference with the guidance counselor or building principal, the classroom teacher, and the student. After the second 6-day cycle has ended; requests for changes, drop or add, will be handled on an individual basis. A dropped course after the allotted time will result in a Withdraw Failing grade of 50%, which will be calculated into the student's career GPA.

COURSE DESCRIPTIONS

LANGUAGE ARTS

English 7 110

This course is designed to develop the student's writing skills through the use of the writing process. Vocabulary and grammar are incorporated to enable the student to write effective sentences and paragraphs. Specific types of writing include narrative, descriptive, and persuasive writing, along with research.

English 8 120

This required course focuses on the development of language arts skills to enable students to become effective readers, writers, and thinkers. Students develop an appreciation for and understanding of literature through the study of short stories, drama, poetry, and novels, as well as nonfiction and informational material. The course focuses on grammar and vocabulary skills that are necessary to improve writing. A main objective is the mastery of Pennsylvania's Language Arts Standards and preparation for success on the state assessments.

Reading 7 – Grade 7 115

This required course is a literature-based reading program aimed at providing students the foundational skills necessary to read, comprehend, and analyze a wide variety of different fiction and nonfiction texts. It reflects the connection between reading, writing, speaking, listening, and critical thinking through a variety of reading experiences. These include short stories, drama, poetry, biography, novel based learning, and a wide variety of different nonfiction texts. Thorough analysis of literature with special focus on evidence based claims reliant upon textually dependent answers are main focuses of the course.

ENGLISH

English 9 130 1 credit

This required course is divided into four areas of study: literature, grammar, vocabulary, and composition. The literary segment of the curriculum includes short stories, nonfiction, drama, and the novel. Grammar includes usage, development of sentence style, and sentence structure. The writing of paragraphs and compositions culminates in a research project. The vocabulary study includes literary terms and SAT vocabulary.

English 10 141 1 credit

This course aims to develop skills in vocabulary, composition, and literature. Students acquire literary knowledge through short stories, novels, poetry, and essays. Students are exposed to creative and technical writing while focusing on proofreading and publishing skills.

English 10 – Applied Communications 140 1 Credit

This innovative program uses multimedia technology to present a communication curriculum. This course is designed specifically to assist students in making the school-to-work transition. This program will develop the communication skills needed for the business and industrial communities. Workplace Communication, Listening and Speaking, and Workplace Writing will be the main focus.

English 11 151 1 credit

This required course applies the basics (grammar, spelling, composition) learned in previous years to write analytically and creatively and to speak well. The American Literature, emphasizing short story and novel reading, develops students' critical thinking skills. Vocabulary development includes literary terms and language from literature and words from current SAT preparation guides. Students conduct the research process (gathers sources, use MLA format, analyze, evaluate, and synthesize information) through a yearlong project; this project culminates with students learning and applying the essentials of debate.

English 11 – Applied Communications 150 1 credit

This innovative program uses multimedia technology to present a communication curriculum. This course is designed specifically to assist students in making the school-to-work transition. This program will develop the communication skills needed to prepare in the business and industrial communities. Workplace Communication, Listening and Speaking, and Workplace Writing will be the main focus.

English 12 161 1 credit

This course concentrates on English and Western Literature through historical time periods from 440 to present. It also furthers knowledge of grammar, sentence structure, and analytical writing. Students refine their ability to conduct the research process through a condensed project. Vocabulary is augmented through literature or current vocabulary booklets.

English 12 – Applied Communications 160 1 credit

Communication 2000 is an innovative applied academics program that uses multimedia technology to present a comprehensive communication curriculum. *Information in the Workplace*, *Reading in the Workplace*, and *Self-Management* will be explored through various modules. As students work through each module, they will plan various projects relating to Communication.

Yearbook – Grades 10-12 166 1 credit

The student is introduced to the basic elements of yearbook production: using computer software to design original layouts, writing copy, taking quality photographs, coordinating schedules with professional photographers, and soliciting advertisements from local businesses.

MATHEMATICS

Math 7 410

This course is designed as a transition between general mathematics and algebra. Units of study include operations with integers, simplification of variable expressions, solving linear equations and inequalities, decimals, fractions, proportions, percents, probabilities and measurements. This is followed by applications involving ratios, proportions, percents, and geometry. Algebra concepts learned at the beginning of the course will be applied throughout the course.

Pre-Algebra 413 423

Recommended Prerequisite – Teacher Recommendation

Pre-Algebra is the foundation for Algebra I. Units of study include Variables, Function Patterns, Rational Numbers, Solving Equations, Solving Inequalities, Functions, Linear Equations and Their Graphs, Systems of Equations & Inequalities, Exponents, Data Analysis, and Probability. Algebra concepts learned at the beginning of the course will be applied throughout the course.

Algebra I 431

1 credit

Recommended Prerequisite – Pre-Algebra and Teacher Recommendation

This course is designed to develop basic algebraic skills. The Pre-Algebra course serves as a major foundation for Algebra I. Units of study Foundations for Algebra, Solving Equations, Solving Inequalities, Linear Functions, Systems of Equations & Inequalities, Exponents, Polynomials & Factoring, Radical Expressions, Data Analysis, and Probability. The different sections of Algebra I may vary in the depth and detail involved in the development of the units of study. Additional topics may be discussed if appropriate to the pace of the class.

Algebra II 435 441

1 credit

Recommended Prerequisite - Geometry and Teacher Recommendation

This course is designed to build on Algebra I concepts. Numerous concepts from Algebra I will be reviewed and discussed at a more advanced level. Additional new concepts include solving inequalities, conjunctions and disjunctions, solving equations/inequalities involving absolute values, linear functions and their properties, systems of equations and inequalities, negative exponents, irrational and complex numbers, and quadratic equations. The different course selections of Algebra II may differ in the depth and detail involved in the development of the units of study. Additional topics may be discussed if appropriate to the pace of the class.

Geometry – Teacher Recommendation 442**1 credit**

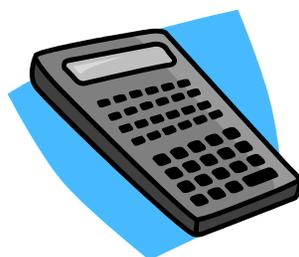
This course is designed to emphasize the study of the properties and applications of common geometric figures. Units of study include points, lines, planes and angles, reasoning and proof, parallel lines and planes, congruent triangles, quadrilaterals, similar polygons, right triangles, circles, area of plane figures, and area and volume of solids. This course also covers writing proofs to prove properties of geometric figures.

Pre-Calculus – Grades 11-12 451**1 credit****Recommended Prerequisite – Teacher Recommendation**

This course is an advanced mathematics course. It is designed to prepare students for college level algebra, and satisfy the needed prerequisite for calculus. A strong background in algebra II and trigonometry is highly recommended. Units of study include introduction to functions, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, matrices and determinants, conic sections, and sequences, series, and probability. The course also provides an opportunity for the introduction and use of graphing calculators.

Calculus – Grade 12 460**1 credit/Weighted Value 1.1****Recommended Prerequisite – Pre-Calculus (C or better recommended)**

This course is designed to prepare students for college level calculus. A brief review of prerequisite material will begin the course. Units of study include limits and continuity, differentiation and integration of algebraic, trigonometric, logarithmic, exponential, and other transcendental functions, applications of differentiation and integration, curve sketching, and area between curves. An emphasis is placed on trigonometry throughout the course.



SCIENCE

Science 7 310

This course includes basic content from chemistry and physics as well as a short environmental science unit. There will be student activities and experiments as well as teacher demonstrations to reinforce the concepts covered. The following areas will be studied under the physical science unit: measurement, states of matter, elements and compounds, atoms, and work and energy. The environmental science unit will cover relationship/interactions of organisms, cycles of nature, biomes, and wildlife conservation.

Science 8 320

This course is designed for students who wish to gain a basic understanding of the relationships among the Earth's structure, energy, forces, atmosphere, natural resources, and solar system. Subjects covered may include geology, meteorology, astronomy, heat, and the scientific method. Projects may include model rockets, green technology investigations, and numerous exploratory labs.

Environmental Exploration Grade 7 517

This exploratory course will allow students to increase their awareness of current environmental and ecological issues. This class will meet every other day for one semester.

Exploratory Agriculture Grade 8 528

This exploratory course allows students to gain a better understanding of the diversification in Agricultural Sciences. Students will gain knowledge about Biotechnology, plant anatomy and physiology, climatic impacts, animals, food processing, marketing and the technologies involved, and leadership. Students will encounter a variety of laboratory activities that include: ice cream, animal injections, plant cloning, eggs, soil, flowers, fruits, meats, corn plastic, recycled papers and others.

Biology – Grade 9 330

1 credit

This course is an introduction to the study of living things. The units taught correlate with the present Pennsylvania Keystone Standards. Students will be exposed to a learning environment where discussion and collaboration with peers is an integral part of their success. Lab experiments and technology are interwoven into each unit. Topics covered include biochemistry, cells, photosynthesis and cell respiration, DNA and DNA technology, cell reproduction, genetics, evolution, and basic ecology.

Advanced Biology – Grades 11-12 360 **Prerequisite – Biology I and Chemistry I**

1.333 credit/Weighted Value 1.1

This elective course is designed for the academic student who has a strong interest in pursuing a science related career or who has a solid science background and genuine interest in biology. Most units correspond to units in Biology I but are studied at a level similar to an introductory college course. Topics covered include: biochemistry, cell structure and transport, photosynthesis and cell respiration, DNA and DNA Technology, cell reproduction, genetics, and human anatomy. Each unit will incorporate case studies, technology and/or labs. Students will be exposed to writing a formal lab report, using college lab guidelines. College texts are used and some independent research is required. Recommended grade prerequisites are an A in Biology I and an 80% or better in Chemistry I.

Agricultural Science – Grades 9-10 021 1 credit

This entry-level class is recommended for students in grades 9 and 10. The curriculum also covers the following key areas: biotechnology, agri-science career exploration, leadership development, large animal production and management, plant physiology, soil conservation, planning a home garden, pesticide safety, food industry and science, natural resources, and agri-business marketing, type and planning. Previously enrolled agriculture students will continue their ongoing SAE.

Plant Science – Grades 9–12 350 1 credit

Along with learning plant physiology, students will investigate agronomic crops, basic landscape design and establishment, principals of turf grass science, simple ornamental horticulture skills, and entry-level greenhouse production and management. Students should select this course prior to enrolling in Horticulture and Landscaping. Previously enrolled agriculture students will continue their ongoing SAE.

Environmental Science – Grades 9-12 022 1 credit

The Environmental Science course covers many important topics surrounding our environment including a global perspective, living things and ecosystems, how ecosystems work, kinds of ecosystems, water, air, atmosphere and climate, land, food, biodiversity, energy, waste and population growth. In addition, this course will cover timely environmental current issues. Previously enrolled agriculture students will continue their ongoing SAE.

Landscaping and Small Engine Repair – Grades 10-12 031 1 credit

Landscaping and Small Gas Engine Repair is a hands-on course that is designed to give students real life experiences in the landscaping field. Students will design, install, and maintain landscapes: learn the essentials of managing a landscaping business, and learn the principals and maintenance practices of small gasoline engines.

Veterinary Science – Grades 10-12 028 1 credit

The Veterinary Science course begins with a review of careers and industry. Following the course introduction, units studied include: Anatomy and physiology of the animal’s major systems; practice and patient management; disease identification, prevention, and cure; skill development; management and legalities of veterinary science. Previously enrolled agriculture students will continue their ongoing SAE.

Biotechnology – Grades 9-12 1 credit

Students enrolled in this course will study plant biotechnology one semester and animal biotechnology the other semester. In the biotechnology course students will encounter laboratories, lectures, experiments, and classroom activities related to the following topics: historical development, principals of research, cells, genetic transfer, genetically modified organisms, cloning, medicine, food science, careers and ethics.

Senior Agriculture-Grade 12 024

1 credit

Prerequisite-must have taken a minimum of 3 agriculture courses prior and have maintained a Supervised Agricultural Experience Program for at least 2 years.

Senior Agriculture is a course designed as a cumulative experience in the agriculture department. All students will maintain a high-quality SAE program; complete the Keystone FFA Degree and Proficiency award application. Students will also learn agriculture business concepts; such as marketing, business planning, risk management, and international business opportunities. Students will also have the opportunity to receive 3 credits through the HACC College in the High School Program.

International Ag-Grades 9-12

023 .5 credit

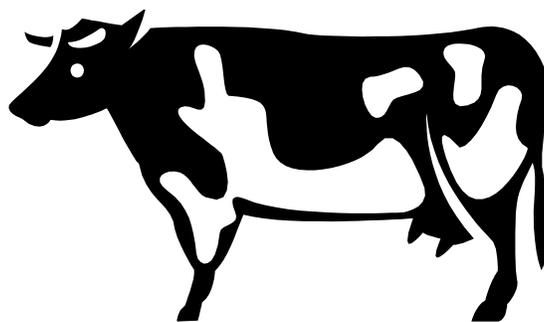
016 1 credit

International Ag is a course designed to introduce students to the importance of international marketing of agriculture products. Additionally, students will acquire a knowledge and understanding of the importance of Pennsylvania's agriculture on the international agriculture marketing sector

Science of Plant and Animal Processing – Grades 9-12 027

.5 credit

The Science of Plant and Animal Processing is a course designed for students to examine the processing techniques of plant and animal agriculture. This lab-based course will allow students to explore the food systems while investigating various components of the food and fiber industry from farm to fork.



BUSINESS TECHNOLOGY

Computer & Career Exploration – Grade 8 **722** **1 credit**

While improving keyboarding skills, students will be able to use their prior knowledge from Keyboarding to connect to future aspects of their lives. The student will be introduced to Microsoft Office (Word, Excel, Access, and PowerPoint) to format various projects that relate to business, personal finance, and career exploration. Internet research will be used for career exploration in order to help the student determine what career choice is best suited for him/her. Emphasis will be placed in correct techniques, while building keyboarding skills, developing accuracy, and reviewing composition skills. This class is a prerequisite for more advanced computer classes.

Excel – Grades 9–12 **752** **.5 credit** **Recommended Prerequisite—Computer & Career Exploration**

Students planning to attend college, owning their own business, or working in the agriculture or business fields should enroll in this class, which uses *Microsoft Excel*. Spreadsheets are electronic worksheets, which automatically recalculate results if any values are changed. Creating and formatting worksheets, entering formulas, charting, and making decisions based on spreadsheet information will be taught. Using an Excel worksheet as a database, querying the database, working with multiple worksheets and workbooks, and integration of Word and Excel are also part of this valuable course.

Access – Grades 9–12 **754** **.5 credit** **Recommended Prerequisite—Computer & Career Exploration**

Information - how can you keep track of it all? Access is database software that can help you with this task. This course would be valuable to all students in all career areas. Most companies use computerized databases to keep records of the employees, customers, products, or services, etc. Therefore, using *Microsoft Access* students will create database tables, add records, create queries, sort data, join tables, and manipulate data.

Web Page Design – Grades 10-12 **755** **1 credit** **Recommended Prerequisite—Computers & Career Exploration**

Web Page Design is a popular course from which students in all career areas could benefit. Web pages will be designed using HTML (Hypertext Markup Language), Dreamweaver and Internet-based software programs. *Photoshop* software will be used as well.

Business Applications – Grades 9–10 **740** **1 credit** **Recommended Prerequisite—Successful completion of Computer & Career Exploration**

This course is designed to benefit all students, regardless of whether the student plans to enter college or pursue a career immediately out of high school. After a brief review of the computer keyboard, with emphasis on correct technique, the student will develop speed, accuracy, and productivity. The student will be taught *Microsoft Word* to format letters, envelopes, reports, and tables. *Microsoft Word* functions such as mail merge, sort, columns, graphics, and other advanced features required for successful personal and job performance are taught. *Microsoft Publisher* will also be covered during this class.

Internet Communications - Grades 10-12 **757** **1 credit** **Recommended Prerequisite—Successful completion of Business Applications**

Internet Communications is designed to provide students with entry-level skills to begin a career in any business-related field. All areas of various business careers and work including sports marketing, e-commerce, podcasts, Google Applications, Prezi, business communications, public speaking/presenting, various technology activities, and ergonomics are taught. Emphasis is placed on communication skills and the student accesses up-to-date information through current reports and Internet projects. Office relationship skills are reviewed and the importance of developing the personal traits that contribute to successful careers are emphasized. A unit on job

application skills places the student in a position ready to enter the world of work and skills necessary for continuing education.

Accounting I/Entrepreneurship – Grades 9–12 751 1 credit

Accounting I introduces the basic accounting concepts and procedures used by sole proprietorships as well as partnerships. Students taking this course will learn how to keep business records for both service and merchandising businesses. Automated accounting procedures will be introduced so that students will have hands-on experience using microcomputers to solve accounting problems. Skills learned can be used directly on the job or to provide the necessary foundations for more advanced business courses in college. Accounting I offers exposure to investing in the stock market (stock market game), business decision making skills, ethical business practices, entrepreneurship skills, money management, presentation skills, and creation of a business plan.

Accounting II/Entrepreneurship – Grades 10–12 760 1 credit
Recommended Prerequisite—Accounting I

Accounting II is designed for students who desire employment in job-entry business positions or for students who plan to attend college, majoring in a business-related field. Content of the course includes payroll, corporate accounting, depreciation, banking, and financial statements. The Stock Market Game (SMG SIMULATION) will be used to enhance students' awareness of accounting and financial investing opportunities. Second semester of Accounting II is supplemented using Quickbooks accounting software on the computer.

Personal Finance - Grades 10-12 731 1 credit
Prerequisite—Computer & Career Exploration

We will explore the key components of personal finance that are **critical** for building a strong financial foundation that is so critical for young people to understand. Students will learn the strategies of developing S.M.A.R.T financial goals and how to create realistic and measurable short and long-term financial objectives. The class will delve into managing personal checking accounts including writing checks and balancing accounts. Students will also learn about managing credit properly and how to avoid the dangers of excessive debt. Class will also cover topics including, insurance, taxes, bankruptcy, investment strategies including savings accounts, mutual funds, and the stock market. The class will also explore the increasingly important subject of identity theft and how it relates to personal financial management. After completing the course, students will have developed a sound understanding of the key components and strategies in effectively managing their financial future. Students will complete NEFE Financial program

Creative Computer Applications – Grades 11-12 741 1 credit
Prerequisite- Business Applications

Word, Excel, Access, Publisher, Google Docs, and Internet—You will learn to integrate the software to create useful computer-related projects including but not limited to desktop publishing, mail merges, checkbook registers, and photo manipulation. The Graduation Project will be completed as part of this course.

WORLD LANGUAGES

Spanish I – Grades 9-12

174

1 credit

The student is introduced to the Spanish language in the areas of comprehension, listening, speaking, reading and writing. Conversational practice in class is stressed. After certain basics are mastered, units are organized around general themes used in everyday conversation. A variety of activities including games, tapes, videos, role-playing, etc. are used to reinforce the learning.

Spanish II – Grades 10-12

176

1 credit

Prerequisite – Spanish I

Spanish II continues the development of the student's skills in the comprehension, listening, speaking, reading and writing of the Spanish language. Units are organized around specific themes and include conversational practice, grammar, brief reading selections and a variety of related activities. The student will also continue to have mini-lessons on various countries and aspects of life in the Spanish-speaking world.

Spanish III – Grades 11-12

178

1 credit

Prerequisite – Spanish II

The student continues to work in the areas of listening, comprehension, speaking, reading (with an added emphasis in the area of literature) and writing of the Spanish language. The language is used as much as possible in the classroom. Units are organized around a variety of topics, such as food, entertainment, and sports, the newspaper, as well as focusing on Central and South American countries. Stress is on conversation as well as advanced learning of verb tenses. The student must come into class with the purpose of speaking the language.

Spanish IV – Grade 12

179

1 credit

Prerequisite – Spanish III

The student continues to work in the area of listening, comprehension, speaking, writing and reading, with an emphasis on literature. The language is used as much as possible in the classroom. There is more integration of all the above components, grammar, vocabulary etc., through the reading of classical literature, essays and the development of the history of Spain and its relationship to current world events. Stress is placed on conversation as well as advanced application of verb tenses and grammar.

French I – Grades 9-12

170

1 credit

In this class a conversational lesson will be followed by a grammar lesson. Homework and out-of class practice in the language are essential. After certain basics are mastered, units are organized around general themes such as the family, classroom objects, occupations, nationalities etc. A variety of games, language tapes and other activities are used to reinforce learning.

French II – Grades 10-12**171****1 credit****Prerequisite – French I**

French II continues the development of the student's skills in the understanding, speaking, reading and writing of the French language. Units are organized around specific themes and include conversational practice, grammar, brief reading selections and various related activities. There will be emphasis on speaking French and other francophones and various aspects of French life.

French III – Grades 11-12**172****1 credit****Prerequisite – French II**

The student continues to work in the areas of listening, comprehension, speaking, reading (with an added emphasis in the area of literature) and writing of the French language. The language is used as much as possible in the classroom. Units are organized around a variety of topics, such as food, entertainment and sports, the newspaper, as well as focusing on France and other francophones. Stress is on conversation as well as advanced learning of verb tenses. The student must come into the class with the purpose of speaking the language.

FINE ARTS

Chorus – Grades 7-8**530**

At the Middle School, students have the opportunity to participate in a mixed choir for 6th, 7th and 8th grade students. Students who participate in this group learn to sing a varied repertoire of choral literature with expression and technical accuracy. Skills to be developed are breath control, posture, intonation, melodic and rhythmic accuracy, two and three-part harmony, interpersonal skills, cooperative learning within a group and self-discipline.

Concert Choir- Grades 9-12**570****.5 credit**

Concert Choir provides a variety of musical experiences emphasizing the study of performances of selected musical literature at a more advanced level. The skills stressed and refined are three and four-part singing, breathe control, tone quality, posture, diction, dynamics, blend, balance, intonation, sight singing, and musical terms. Also, students continue to develop interpersonal skills, self-discipline and cooperative learning.

Symphonic Band – Grades 7-8**531****Recommended**

Prerequisite – Elementary Band and Band Lessons

Recommended Prerequisite – Elementary Band and Band Lessons

Instrumental Music or Band is a music performance class. The primary goal of this course is to nurture the musical and technical skills necessary to have a positive musical experiences. This will occur through the rehearsal and performance of age-appropriate band literature

Symphonic Wind Ensemble – Grades 9-11 **575** **.5** **credit**

Preferred Prerequisite – Participation in Junior High Band

Instrumental Music or Band is a music performance class. The primary goal of this course is to nurture the musical and technical skills necessary to have a positive musical experiences. This will occur through the rehearsal and performance of age-appropriate band literature

Art 7 **515**

Students in 7th Grade Art will create both two and three-dimensional works of art. Projects include wildlife drawing, pastels, pottery, and watercolors. Students will study Art history and artists throughout the class.

Art 8 **525**

Students in 8th Grade Art will create both two and three-dimensional works of art. Projects include still life value drawings, creative slabs, and paintings. Students will study artists, and art history. Careers in art will also be studied.

Pottery I – Grades 9-12 **547** **.5 credit**

Pottery students will create a variety of three-dimensional pottery pieces through hand building clay techniques and working on the pottery wheel. Projects include developing form and design through coils, slabs, sculptures, and reliefs. Students will explore glazes in designing their clay projects. Artists and different pottery styles will be studied.

Pottery II – Grades 9-12 **548** **.5 credit**

Recommended Prerequisite – Pottery I

Pottery II students will develop their artistic style and expression through many clay projects. Projects using hand building clay techniques and working on the pottery wheel will be created throughout the course. Students will develop design, and glazing techniques. Artists and art history will be studied.

Drawing and Painting I – Grades 9-12 **540** **.5 credit**

The art students will create a variety of two dimensional art works through the use of many different art mediums. Students will explore techniques with drawing pencils, colored chalk, oil pastels, charcoals, colored pencils, watercolors, and acrylic paints. Art students will also study famous artists and art history.

Drawing and Painting II – Grades 9-12 **541** **.5 credit**

Recommended Prerequisite – Drawing and Painting I

Art students will develop their artistic style and expression in drawing and painting at a higher level. Students will create two dimensional art works with art mediums such as drawing pencils, colored chalk, oil pastels, charcoals, watercolors, and acrylic paints. Advanced art students will study artists and art history.

Art Studio I – Grades 9-12 **543** **.5 credit**

Students will explore and create a variety of both two and three dimensional art works. Projects include coil pottery, perspective drawing, watercolor painting, acrylic or tempera paintings, and pastels. Students will also study artists and art history.

Art Studio II – Grades 9-12 **544** **.5 credit**

Recommended Prerequisite – Art Studio I

Students will develop projects at a higher level from Art Studio I. Projects such as coil pottery, watercolor painting, perspective drawings, acrylic or tempera paintings, and pastels will be created throughout the course. Art history and artists will be studied.

Printmaking I – Grades 9-12**545****.5 credit**

Printmaking students will create a variety of well-developed sketches, and through different printing processes, make many prints of their design. Printing processes such as linoleum block, monoprints, relief and stencil printing will be used in reproducing creative works. Art history and artists will be studied.

Printmaking II – Grades 9-12**546****.5 credit****Prerequisite – Printmaking I**

Printmaking II students will develop their artistic expression through the printing processes. Printing processes such as, linoleum block, monoprints, scrimshaw, and stencil prints will be used in reproducing creative artworks. Students will study artists and art history.

Portfolio Preparation – Grades 9-12**550****.5 credit****Preferred Prerequisite – Teacher Approval**

Portfolio Prep is a course designed only for students who plan on going on to study art at a postsecondary institution or who plan to pursue a job in an art field. The course is structured for students who cannot fit regular art electives into their schedules. Students will be given the opportunity to further explore and create both two and three-dimensional artworks for their portfolio. Art teacher approval is required to take this course.



FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences 7 612

Units in this nine-week course will include personal finances, character education, communication skills, food preparation, nutrition, and basic sewing techniques. Students will participate in a variety of projects and activities relating to these topics.

Family and Consumer Sciences 8 622

Units in this nine-week course will challenge students with a deeper knowledge in personal finances, character education, food preparation, nutrition, and human development. Students will participate in a variety of projects and activities relating to these topics.

Child Development – Grades 9-12 631 .5 credit

This course is designed to give students basic knowledge of parenting skills, pregnancy and fetal development, and child development through age six. Topics of study will include fetal development, maternal nutrition, labor and delivery, birth defects, and effective parenting skills. Also included in the study will be the emotional, intellectual, and physical development of children from birth to age six. Students may participate in a weekend with RealCareBaby (a computerized infant simulator). Students will plan and coordinate multiple projects with Greenwood Elementary School students.

Everyday Living – Grades 9-12 634 .5 credit

Personal Finance is the main focus of this course. Students will learn everyday skills that will serve them for the rest of their lives. They will gain knowledge about living successfully on their own, budgeting, establishing and maintaining good credit, saving money and much more. Students will participate in projects and activities designed to prepare them for a successful future as they learn to manage their money and live independently.

Basic Sewing I – Grades 9-12 633 .5 credit

Be creative while learning how to construct items to wear or use. Upon successful completion of this course students will possess skills that will enable them to sew independently. Students will learn how to interpret and use a sewing pattern, how to select proper fabrics and supplies for projects, new sewing techniques, and more. Students are responsible for the purchase of supplies for their projects.

Basic Sewing II Grades 9-12 643 .5 credit

Required Prerequisite – Basic Sewing I

Expand your creativity in the area of sewing by building on the skills you learned in Basic Sewing I. Students in this course will gain a deeper knowledge of sewing as well as gain additional skills through construction of more advanced projects. Students will be responsible for the purchase of supplies for their projects.

Clothing and Textiles Grades 9-12

Required prerequisites – Basic Sewing I & II Teacher approval/IS

This course is specifically designed for students who plan on entering the field of clothing design or for those students who have achieved an advanced skill level in clothing construction. Students will be given the opportunity to create a portfolio of samples and designs, and complete projects at an advanced level. The course will be designed to meet individual student needs and interests. Family and Consumer and Sciences teacher approval is required.

Consumer Foods – Grades 10-12**640****.5 credit**

Exploring healthy diet and nutrition, proper food handling and storage techniques, sanitation, food consumer issues, and a variety of food preparation techniques are the focus of this course. Students will participate in projects based on these topics. A large part of the course will include planning food laboratories and implementing the food preparation techniques learned in class. Students will be expected to participate in tasting foods prepared in the lab setting.

Creative Foods – Grades 10-12**642****.5 credit****Recommended Prerequisite – Consumer Foods**

Foods and customs in different regions of the United States and other countries around the world are experienced in this course. Proper food preparation techniques, safe food handling, and a variety of creative food preparation techniques will be implemented in the food laboratories using the knowledge and techniques learned. Students will explore a variety of specific diets and gain further understanding of how those diets impact the body nutritionally. Students will be expected to participate in tasting foods prepared in the lab setting.

Crafts I Grades 9-12 635**.5 credit**

Students have the opportunity to develop creativity in the construction of craft projects in this course. Skills learned may include decorative painting, beading, scrapbooking, and others. Fiber arts such as knitting, crocheting, or cross-stitch may be explored. Planning and completing individual projects is expected. Students will be responsible for the cost of some project materials.

Crafts II Grades 10-12 636**.5 credit****Required prerequisite – Crafts I**

Students will build on skills learned in Crafts I to create more advanced projects using a variety of craft techniques involving painting, fiber arts, and the use of other craft techniques. Planning and implementing individual projects of interest will be expected. Students will be responsible for the cost of some individual project supplies.



INDUSTRIAL ARTS

Woodworking Technology – Grade 7 611

This course will provide instruction and information concerning hand tools, machines, and materials basic to broad area of Woodworking. Importance of safe work habits, planning, good design, problem solving, joinery, finishing, and procedures on production woodwork will be covered. Students are required to pass a safety test for all power tools and machines they will use. One project is required. Materials are supplied.

Metalworking Technology – Grade 8 621

This course will provide a broad experience in Metalworking through the use of tools, machines, and materials that are basic to this area. Topics covered will include: general careers information, planning, and designing, safety, bench metal, soldering, forging welding, and heat-treating. Students are required to pass safety test for all power tools and machines. One project is required. All materials are supplied.

Metal I – Grades 9 – 12 650 .5 credit

This is an introductory course, which will provide a broad experience in metal working through the safe use of tools, machines, and materials. All students are required to pass a safety test for power tools and machines. sheet metal, sand casting, wrought metal, soldering, and arc welding will be covered. A project is required in each area. Students are responsible for the cost of materials.

Metal II – Grades 10 – 12 651 .5 credit

Prerequisites – Metal I

This course will cover: sheet metal, wrought metal, sand casting, forging, heat treatment of metals, mig and arc welding, oxygen/acetylene welding, and soldering/brazing. All students are required to pass safety test for power tools and machines. A project will be required for each area. Students are responsible for the cost of materials.

Basic Electricity – Grades 9 – 12 670 .5 credit

This course is designed to provide the student with a solid background in safe electrical principles and practices. Topics covered will include electrical circuit theory, components, tools, wiring systems, device wiring, motors, branch circuitry, reading blueprints, light commercial wiring, farm wiring, electrical meters, and specialized wiring.

Electronics – Grades 9 – 12 671 .5 credit

Prerequisites – Basic Electricity

This course will include the study of: basic electrical concepts, electrical quantities, basic circuits, working laws, and measuring using arithmetic and basic algebra in solving electrical problems, multiple load circuits, electromagnetism, alternating and direct current, motors instruments, and measurements. Students will be introduced to digital electronics. Students will be required to purchase an electronic project kit.

Wood I – Grades 9 – 12 660 .5 credit

An introductory course dealing with the technical aspect of wood structure, growth, physical properties, hand tools, basic joinery, and woodworking processes. All students are required to pass a safety test before using power tools and machines. Four projects will be required using hand tools, machines, and basic joinery. Students are responsible for the cost of materials.

Wood II – Grades 10 – 12 661 .5 credit

Prerequisites – Wood I

A second level course in woodworking. This course will discuss in **detail** all technical aspects of woodworking. All students are required to pass a safety test for power tools and machines. Three projects are required using advanced joinery, drawers, and doors. Students are required to purchase hardware and material.

Advanced Wood – Grades 11 – 12 662 .5 credit

Prerequisites – Wood I and Wood II

The areas stressed in this course will include: advanced cabinetmaking, construction, and special operations on machinery and machine maintenance. Students will be required to design two advanced projects with drawers, doors, and advanced joinery. All students are required to pass a safety test for power tools and machines. Students are required to purchase all hardware and materials.

Technical Drawing I – Grades 10 – 12 680 .5 credit

Recommended Prerequisites – Geometry

This is an introductory course in visual communication dealing with lettering, engineering geometry, multi-view drawings, auxiliary views, sectional views, pictorial representation, developments, dimensioning, detail, and assembly drawings. CADD (Computer Aided Drafting and Design) will be introduced in the form of a tutorial.

Technical Drawing II – Grades 11 – 12 681

.5 credit

Recommended Prerequisites – Geometry and Technical Drawing I

Technical Drawing II is a second level course in Visual Communication dealing with geometric dimensioning and tolerances, section views, pictorial, auxiliary views, revolution, intersections, developments, threads and fasteners, cams, gears, splines, and welding drawings. CADD (Computer aided Drafting and Design) will be used to develop and analyze drawings.

Architectural Drafting and Design I – Grades 11 – 12 683

.5 credit

Recommended Prerequisites – Geometry and Technical Drawing I

This course will provide the student with basic knowledge in preparing architectural working drawings. Students will study blueprints of houses and understand the symbols and lines of architectural drawings. A complete set of working drawings will be studied including but not limited to: floor, foundation, electrical, and plumbing plans, wall sections, elevations, and perspective view. Traditional drafting techniques and the use of CADD system will produce all drawings.

Architectural Drafting and Design II – Grade 12 684

.5 credit

Recommended Prerequisites – Technical Drawing I, Wood I,

Architectural Drafting and Design I

Students will refine all drawings from Architectural Drafting and Design I and construct a model from their plans. The use of CADD and traditional drawing methods will be used to refine drawings. Experience in woodworking will be helpful in building their model.



ON-LINE LEARNING OPPORTUNITIES

***The courses listed below are offered, free of charge, to Greenwood Students (typically, seniors). Additional elective course are available through CAOLA, at the student's/family's expense. For a full list of electives, please visit www.caola.caiu.org**

Psychology – Grade 12

.5 Credit

This course is designed to provide students with a comprehensive and engaging look at Psychology. The course is divided into two distinct parts; each consisting of three, fifteen-lesson units. Each of the units is based around a central concept. Students will find graded assessments after each lesson and an exam at the end of each unit of the course. Students will learn about psychology; including the concepts and tools used to assess intelligence, sensation and perception, memory, motivation and emotion, and learning. At the completion of this course, students will have gained both a knowledge of and appreciation for psychology and how it affects everyone.

Sociology – Grade 12

.5 Credit

This course is designed to provide students with a comprehensive and engaging look at sociology. The course is divided into two distinct parts; each consisting of three, fifteen lesson units. Each of the units in based around a central concept. Students will find graded assessments after each lesson and an exam at the end of each unit of course. In the course, students will learn about sociology, including the concepts and tools used to understand individuality, social structure, inequality, family structure and education, economics and politics, and social change. At the completion of this course, students will have gained both a knowledge of and appreciation for sociology and how it affects everyone.

Macroeconomics – Grade 12

.5 Credit

This course engages students in a comprehensive study of Macroeconomics and is divided into two distinct parts; each consisting of three, fifteen minute lesson units. Each of the units is based on a central concept. Graded assessments follow each lesson and an exam concludes each unit. In this Macroeconomics course, students will study the branch of economics that deals with performance, structure, and behavior of a national or regional economy as a whole. Along with microeconomics, macroeconomics is one of the two most general fields in economics. Macroeconomists study aggregated indicators such as GDP, unemployment rates, and price indices in order to understand how the whole economy functions. Upon completing this course, students will recognize the events and people who have impacted the growth of macroeconomics.

Microeconomics – Grade 12

.5 Credit

This course is a comprehensive and engaging profile of Microeconomics and is divided into two distinct parts; each consisting of three, fifteen-lesson units. Each of the units is based on a central concept. Graded assessments follow each lesson and an exam concludes each unit. In the Microeconomics course, students will learn all about the basic structure of economics and how it affects world events and the everyday lives of people. Upon completing this course, students will have a better understanding of personal finance, the role and process of taxation and the risks and rewards of investment.

French III- Grade 11

This course is designed to provide students with a comprehensive and engaging look at the French language and culture. The course is divided into four distinct parts, each consisting of three, fifteen-lesson units. Each of the units is based around a central theme. Students will find graded assessments after each lesson and an exam at the end of each unit of the course. In this level three course, students will take what they have learned in their previous French courses and apply it in conversation. At the completion of this course, students will have built on their previous skills, and will be able to express themselves through conversation in French.

French IV- Grade 12

This course is designed to provide students with a comprehensive and engaging look at the French Language and culture. The course is divided into four distinct parts, each consisting of three, fifteen- lesson units. Each of the units is based around a central theme. Students will find graded assignments after each lesson and an exam at the end of each unit of the course. In this level four French course, students will take what they have learned in previous French courses and put it all together in order to become Francophone. At the completion of this course, students will have gained the knowledge and skills to speak, read, and write in the French language with basic fluency.

Advanced Placement Apex Courses available to Greenwood Students

All courses: Rigor is exceptional

Cost: Greenwood initially funds AP courses but students/families are responsible for reimbursement, to district, if course is not finished or finished with a failing grade (65% or lower).

Pre-requisite: Teacher recommendation, prior course grades and administration approval.

AP Biology

AP Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, healthy sciences, or engineering.

The AP Biology course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity. Students regularly engage with primary sources, allowing them to practice the critical reading and analysis skills that they will need in order to pass the AP exam and succeed in a college biology course. Students perform hands-on labs that give them insight into the nature of science and help them understand biological concepts, as well as how evidence can be obtained to support those concepts. Students also complete several virtual lab studies in which they form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. During both virtual and traditional lab investigations and research opportunities, students summarize their findings and analyze others' findings in summaries, using statistical and mathematical calculations when appropriate.

Summative tests are offered at the end of each unit as well as at the end of each semester, and contain objective and constructed response items. Robust scaffolding, rigorous instruction, relevant material and regular active learning opportunities ensure that students can achieve mastery of the skills necessary to excel on the AP exam. This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Biology

Length: Two Semesters

Semesters 1 and 2: Required Materials:

AP Biology requires a college-level biology textbook. Students may use any college-level biology textbook to successfully complete the course. Resources are provided in the course to support students using texts found in the link below:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Biology requires the completion of hands-on lab activities and has been approved by the College Board as meeting all requirements for a laboratory science course. For a list of hands-on lab materials, go to:

<http://support.apexlearning.com/materials>.

AP Calculus AB

In AP Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP exam and further studies in science, engineering, and mathematics.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Algebra II, Geometry, Pre-Calculus with Trigonometry

Length: Two Semesters

Semesters 1 and 2: Required Materials:

TI-84 Plus, TI-83, or TI-83 Plus Calculator. Read “Getting Started” and Chapter 1 in the TI Guidebook before the course starts.

AP Calculus AB requires a college-level calculus textbook. Students may use any college-level calculus textbook to successfully complete the course. Resources are provided in the course to support students using texts found in the link below:

http://dierulnbbq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Chemistry

AP Chemistry builds students' understanding of the nature and reactivity of matter. After studying chemical reactions and electrochemistry, students move on to understand how the chemical and physical properties of materials can be explained by the structure and arrangements of the molecules and the forces between those molecules. Students will examine the laws of thermodynamics, molecular collisions, and the reorganization of matter in order to understand how changes in matter take place. Finally, students will explore chemical equilibria, including acid-base equilibria. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP exam and for further study in science, health sciences, or engineering. The AP Chemistry course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity. Students regularly engage with primary source materials, allowing them to practice the critical reading and analysis skills that they will need in order to pass the AP exam and succeed in a college chemistry course. Students perform hands-on labs that give them insight into the nature of science and help them understand chemical concepts, as well as how evidence can be obtained to support those concepts. Students also complete several virtual lab studies in which they form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. During both virtual and traditional lab investigations and research opportunities, students summarize their findings and analyze others' findings in summaries, using statistical and mathematical calculations when appropriate. Summative tests are offered at the end of each unit as well as at the end of each semester, and contain objective and constructed response items. Robust scaffolding, rigorous instruction, relevant material, and regular active learning opportunities ensure that students can achieve mastery of the skills necessary to excel on the AP exam.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Chemistry

Length: Two Semesters

Semesters 1 and 2: Required Materials

AP Chemistry requires a college-level chemistry textbook. Students may use any college-level chemistry textbook to successfully complete the course. Though students may use any college-level textbook, resources such as page references and scaffolded reading guides are provided in the course to support students who use the texts found in the link below:

http://dierulnbbq7.cloudfront.net/documents/ALVS_Materials.pdf

Students using other college-level chemistry textbooks or older editions will need to identify the appropriate sections of their text to complete each reading assignment.

AP Chemistry requires the completion of hands-on lab activities and has been approved by the College Board as meeting all requirements for a laboratory science course. For a list of hands-on lab materials, go to:

<http://support.apexlearning.com/materials>.

AP English Language and Composition

In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.

Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam.

AP English Language and Composition is recommended for 11th and 12th grade students. This course fulfills 11th grade requirements. Consequently, we recommend that students take only one of the following courses: English 11, Texas English III, and AP English Language and Composition.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Complete/Pass English 10

Length: Two Semesters

Semesters 1 and 2: Required Materials:

AP English Language and Composition requires a college-level English textbook. Students may use any college-level English textbook to successfully complete the course. Resources are provided in the course to support students using texts found in the link below:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP English Literature & Composition

AP English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: At least a B-grade in most recent English course

Length: Two Semesters

Semesters 1 and 2: Required Materials:

AP English Literature and Composition requires a college-level English textbook. Students may use any college-level English textbook to successfully complete the course. Resources are provided in the course to support students using texts found in the link below:

AP Environmental Science

AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering. The AP Environmental Science course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, deconstruct claims, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity.

Students perform hands-on labs and projects that give them insight into the nature of science and help them understand environmental concepts, as well as how evidence can be obtained to support those concepts. Virtual lab activities enable students to engage in investigations that would otherwise require long periods of observation at remote locations and to explore simulations that enable environmental scientists to test predictions. During both hands-on and virtual labs, students form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. Throughout this course, students are given an opportunity to understand how biology, earth science, and physical science are applied to the study of the environment and how technology and engineering are contributing solutions for studying and creating a sustainable biosphere.

Prerequisite: Two years of high school laboratory science (one year of life science and one year of physical science), and one year of algebra

Length: Two Semesters

Semesters 1 and 2: Required Materials:

AP Environmental Science requires a college-level Environmental Science textbook. Students may use any college-level Environmental Science textbook to successfully complete the course. Resources are provided in the course to support students using texts found in the link below:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Environmental Science requires the completion of hands-on lab activities and has been approved by the College Board as meeting all requirements for a laboratory science course. For a list of hands-on lab materials, go to <http://support.apexlearning.com/materials>.

AP Microeconomics

AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a

healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Algebra I

Length: One Semester

Optional Materials:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Macroeconomics

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Algebra II (or Math Analysis)

Length: One Semester

Optional Materials:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Psychology

AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Biology

Length: One Semester

Required Materials:

AP Spanish Language

AP Spanish Language students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. The equivalent of a college-level language course,

AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board

Prerequisite: 3-4 years of Spanish or equivalent native fluency

Length: Two Semesters

Semesters 1 and 2: Required Materials:

Any Spanish-English, English-Spanish Dictionary and a Microphone

Semesters 1 and 2: Optional Materials:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP Statistics

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: Algebra II or Math Analysis

Length: Two Semesters

Semesters 1 and 2: Required Materials:

TI-89, TI-84 Plus, TI-83, or TI-83 Plus Calculator

Read "Getting Started" and chapter 1 in the TI Guidebook before the course starts.

Semesters 1 and 2: Optional Materials:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP U.S. Government and Politics

AP U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: U.S. History

Length: One Semester

Required Materials:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf

AP U.S. History

In AP U.S. History, students investigate the development of American economics, politics, and culture through historical analysis grounded in primary sources, re-search, and writing. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP exam and for further study in history, political science, economics, sociology, and law.

Through the examination of historical themes and the application of historical thinking skills, students learn to connect specific people, places, events, and ideas to the larger trends of U.S. history. Critical-reading activities, feedback-rich instruction, and application-oriented assignments hone students' ability to reason chronologically, to interpret historical sources, and to construct well-supported historical arguments. Students write throughout the course, responding to primary and secondary sources through journal entries, essays, and visual presentations of historical content. In discussion activities, students respond to the positions of others while staking and defending claims of their own. Robust scaffolding, rigorous instruction, relevant material, and regular opportunities for active learning ensure that students can achieve mastery of the skills necessary to excel on the AP exam.

This course has been authorized by the College Board to use the AP designation. *AP is a registered trademark of the College Board.

Prerequisite: None

Length: Two Semesters

Semesters 1 and 2: Required Materials:

AP U.S. History requires a college-level U.S. history textbook. Students may use any college-level U.S. history textbook to successfully complete the course.

Though students may use any college-level textbook, resources such as page references and scaffolded reading guides are provided in the course to support students who use any of the texts found in the link below:

http://dierulunbbeq7.cloudfront.net/documents/ALVS_Materials.pdf