

ROCK COUNTY HIGH
SCHOOL
COURSE DESCRIPTION
BOOK
2026 - 2027

GRADUATION REQUIREMENTS

To be eligible for graduation from Rock County High School, a student must have:

Eight-semester attendance

A total accumulation of 270 academic credits

English & Communications

40 Total Credits

- English 1 (Other course approved by RCPS Administration) 10 credits
- English 2 (Other course approved by RCPS Administration) 10 credits
- English 3 (Other course approved by RCPS Administration) 10 credits
- English 4 or 10 credits
 - Dual Credit (high school & college credit) 10 credits

Social Sciences

30 Total Credits

- Social Science (required) 10 credits
- American History (required) 10 credits
- American Government (required) 10 credits

Mathematics

30 Total Credits

- Algebra 1 (required) 10 credits
- Algebra 2 10 credits
- Geometry 10 credits
- Applied Math 10 credits
- Pre-Calculus 10 credits
- Calculus 10 credits
- College Credit Algebra 10 credits
 - Dual Credit (high school & college)

Science

30 Total Credits

- Physical Science (required) 10 credits
- General Science 10 credits
- Chemistry 10 credits
- Biology (required) 10 credits
- Anatomy & Physiology 10 credits
- Physics (Distance Learning) 10 credits
- Animal A & P (Ag) 10 credits

Physical Education

20 Total Credits

- PE 1 and Health 10 credits
- PE 2 and Health 10 credits
- Advanced PE 10 credits
- Weights 10 Credits

Business

- Careers (required)
- Personal Finance (required)
 - (class of 2018 and above)

10 Total Credits

5 credits

5 credits

Electives**110 Total Credits**

- Please see the following pages for a list of all required and elective courses, along with their descriptions.

Seniors failing to meet these requirements will not be allowed to participate in the graduation ceremony.

Graduation requirements include payment of all fees and fines accumulated during attendance at RCHS.

Students with less than 60 hours will be classified as freshmen.

Students with less than 120 hours and 60 or more hours will be sophomores.

Students with less than 190 hours and 120 or more hours will be juniors.

Students must have a minimum of 190 hours to be classified as seniors.

ROCK COUNTY HIGH SCHOOL SUGGESTED CLASS SCHEDULE

7th Grade Required

English 7
Social Studies
Math 7
Science
PE

7th Grade Semester Rotation:

Choir
Ag
Art
Computers

7th Grade Electives

Band

8th Grade Required

English 8
Social Studies
Math 8 or Algebra 1
Science
PE

8th Grade Semester Rotation:

Choir
Ag
Art
Computers

8th Grade Electives

Band

FRESHMAN REQUIRED

English 1 (Other course approved by RCPS Administration)
Social Science
Math (Algebra 1, Algebra 2, Geometry)
Physical Science
PE & Health 1

FRESHMEN ELECTIVES

Band
Choir
Art
Spanish
Intro to Agriculture (full year)

SOPHOMORE REQUIRED

English 2 (Other course approved by RCPS Administration)
Modern American History (if you didn't take Social Science)
Math (Algebra 2, Geometry, Applied Math)
Biology
PE & Health 2

JUNIOR REQUIRED

English 3 (Other course approved by RCPS Administration)
American History
Math (Algebra 2, Pre-Calculus, Geometry, Calculus, Applied Math)
Science (General Science, Anatomy & Physiology, Chemistry)

SOPHOMORE ELECTIVES

Band
Choir
Art
Advanced Art
Family Consumer Science
Animal Science (full year)
Agricultural Entrepreneurship
Food Science, and Safety
Plant Science
Welding
Spanish 1/Spanish 2
Accounting 1
Modern American History
General Science

JUNIOR ELECTIVES

Band
Choir
Advanced PE
Weights
Accounting 1
Accounting 2
Business Law
Digital Media
Introduction to Business
Information Technology
Art I
Art II
Spanish 1
Spanish 2
Spanish 3
Modern American History
Yearbook
Family Consumer Science
Advanced Family Consumer Science
Agribusiness/Ag Communication
Animal Science
Food Science and Safety
Plant Science
Welding
Work-Based Learning

SENIOR REQUIRED

English (English 4, CC English-dual credit)

American Government

Personal Finance/Careers

SENIOR ELECTIVES

Band

Choir

Advanced PE

Accounting 1

Accounting 2

Business Law

Digital Media

Introduction to Business

Information Technology

Art I

Art II

Spanish 1

Spanish 2

Spanish 3

Modern American History

Yearbook

Family Consumer Science

Advanced Family Consumer Science

Agribusiness/Ag Communication

Animal Science

Food Science and Safety

Plant Science

Welding

Work-Based Learning

Applied Math

Pre-Calculus

Anatomy & Physiology

Chemistry

General Science

DUAL CREDIT CLASSES HIGH SCHOOL AND COLLEGE CREDIT

1. Students who register for a dual credit/college course taught online will be allowed one period of the school day to independently work online in an assigned area. **Students must be personally motivated to manage their time wisely.** No teacher will verify that the student is fulfilling their course requirements.
2. The college instructors will have total control of the grading criteria, grading of assignments, and the grades given. **The grades students earn will be on their PERMANENT high school and college transcript.**

DISTANCE LEARNING

ENGL1010	English Composition I	3 credits
ENGL1020	English Composition II	3 credits
MATH1150	College Algebra	3 credits
MATH1220	Trigonometry	3 credits
MATH2000	Analytic Geometry & Calculus	5 credits

ONLINE DUAL CREDIT CLASSES

PSYC1810	Introduction to Psychology	3 credits
SOCI1010	Introduction to Sociology	3 credits
HIST2010	American History I	3 credits
HIST2020	American History II	3 credits
ACCT1200	Principles of Accounting	3 credits
SPCH1010	Fundamentals of Communication	3 credits
SPCH1110	Public Speaking	3 credits
MTH2203	Elements of Statistics (NCTA)	3 credits

- ❖ Several other online classes are also available. See Mr. Dohrman for a complete listing.
- ❖ See Mr. Dohrman if you are interested in any of the above classes.
- ❖ Various agricultural classes are also available for dual credit or college credit.

LANGUAGE ARTS

Graduation Requirements: 4 years (4 of which must be in English)

ENGLISH I

ENGLISH II

ENGLISH III

ENGLISH IV

YEARBOOK/JOURNALISM

CC ENGLISH (dual credit from NECC Distance Learning)

ENGLISH 1 (required)

Course #101

Coursework will involve a variety of tasks within literature, composition, grammar, and vocabulary. This course will cover short stories, poetry, novels, and non-fiction; emphasizing thematic study to understand character, plot, and theme. Students will have daily grammar and mechanics practice to refine grammar, punctuation, and spelling skills. Weekly quick writes will focus on paragraph and essay structure and help develop further writing skills in narrative, descriptive, and persuasive styles. The literature will include To Kill a Mockingbird, The Outsiders, Romeo and Juliet Reader's Theatre, and numerous excerpts from contemporary works. Students will also choose, read, and present a book project twice a semester.

ENGLISH II (required)

Course #102

Coursework will involve a variety of tasks within literature, composition, grammar, and vocabulary. This course focuses on strengthening composition, literature analysis, and research skills. Instruction in research methods, citation styles, and the enhancement of grammatical skills to improve writing clarity and style. It will emphasize writing argumentative and analytical essays and focus on prewriting, drafting, revising, and editing. Sophomores will study diverse literary genres in fiction, nonfiction, drama, and poetry. The class literature will include Then There Were None or Murder on the Orient Express, a unit on Greek Mythology, as well as numerous excerpts from their class textbook. Sophomores will also present a bi-semester book project.

ENGLISH III (required)

Course #103

Coursework will involve a variety of tasks within literature, composition, grammar, and vocabulary. This is a comprehensive American Literature course that focuses on exploring American cultural heritage through fiction, non-fiction, poetry, and drama. It emphasizes advanced writing in analytical essays, research, and rhetorical analysis. The literature features American stories and authors and will include The Scarlet Letter, The Great Gatsby, and/or Their Eyes Were Watching God as well as other short stories, memoirs, and poems. In the spring quarter, On To College will be utilized to help prepare for the ACT test. Juniors will also choose, read, and present a book project twice a semester.

ENGLISH IV

Course #104

Coursework is focused on British literature, advanced rhetoric, and college/career readiness. The study of British literature traditions, including Anglo-Saxon, Medieval, Renaissance, and Victorian periods covers universal themes, author's purpose, and historical, cultural, or social contexts. Seniors have a strong emphasis on expository, analytical, and persuasive writing, wrapping up the year with a research paper. Development of advanced reading strategies to comprehend complex literary and informational texts will be covered through literature that includes novels like Brave New World, Beowulf, A Christmas Carol, The Illiad, and/or Hamlet as well as short stories and poems from the class textbook. Students will read and present a book project once a semester.

COLLEGE CREDIT ENGLISH (dual credit) - Available through Distance Learning from NECC

Course #105

ENGL1010 English Composition I **1st semester 3 credits**

ENGL1020 English Composition II **2nd semester 3 credits**

YEARBOOK/JOURNALISM

Grade Level: 9 or 10

Course #108

Yearbook is a hands-on class where students work together to create and produce the school's annual yearbook. Students are responsible for choosing a theme, designing page layouts, writing and editing content, and organizing and editing photos to capture the highlights of the school year. Students also learn the fundamentals of photography, including how to take high-quality photos, capture school events, and edit images for publication. The class also provides hands-on business experience, allowing students to create and manage the book's budget. Students also sell and design advertisements.

SOCIAL SCIENCES

Graduation requirements: 3 years (1 of which must be American History, and 1 of which must be American Government)

SOCIAL SCIENCE

AMERICAN HISTORY

AMERICAN GOVERNMENT

MODERN AMERICAN HISTORY

SOCIAL SCIENCE (required if not taking Modern American History as a sophomore)

Grade Level: 9 or 10

Course #201

LOCATION! LOCATION! LOCATION! During this class, students will be studying the world's people, places, and landscapes. This course looks at basic geographic ideas about the amazing world in which we live. Students will learn the themes of geography, the features that define the earth, the climate patterns of the earth, and how to study people and cultures around the world. Students will study and explore the various aspects of geography in all areas of the world. This includes the human, physical, and cultural traits of an area. Students will also be learning about the current events on a state, national, and world scale to fully understand what is happening daily around the world.

MODERN AMERICAN HISTORY (required if you didn't take Social Science as a freshman)

Grade Level: 9 or 10

Course #214

This class will discuss issues currently involving the United States. It will begin with introductory lessons from the early 1900's discussing the plans and programs that affect our world today. Students learn about all wars from the 20th century and into the most current wars. Students will have a great understanding and appreciation for the American culture and how it is changing every day.

AMERICAN HISTORY (required)

Grade Level: 11

Course #202

This course examines the major turning points in American history beginning with the events that led up to the Civil War and Reconstruction, the impact of the frontier, the changing nature of business and government, World War I, the Great Depression, World War II, the growth of the United States as a world power, the Cold War, and the struggle to achieve class, ethnic, and gender equality. The course extends to the modern day. Contemporary world issues such as globalization, economic interdependence, terrorism, and world cultures will also factor into our analysis of international conflicts and cooperation.

AMERICAN GOVERNMENT (required)

Grade Level: 12

Course # 203

The focus of this course is to prepare students to participate in exercising their political responsibilities as thoughtful and informed citizens. Students will study the development of government and political systems. They will have the opportunity to participate in mock elections and mock campaigns. Also, they will have the option to register to vote, take part in an election and to attend county/ district court.

MATH

Graduation Requirements-3 years

**ALGEBRA 1
APPLIED MATH
GEOMETRY**

**ALGEBRA 2
PRE-CALCULUS
CALCULUS**

ALGEBRA 1 (required)

Grade Level: 9-12

Course #303

Algebra I is the introductory study of solving equations and inequalities and is meant to be for those who are competent in basic arithmetic. Students who take this class must show proficiency in arithmetic. It reviews tools needed and used like variables, exponents, order of operations, adding, subtracting, multiplying, dividing, distributing, and graphing. It studies solving equations and inequalities, proportions, graphs of functions, equations, and inequalities, exponents, factoring, quadratic equations, and radical expressions.

ALGEBRA 2

Grade Level: 9-12

Prerequisite: Algebra 1

Course #304

Algebra II is meant to be taken after, or along with, geometry. It reviews the tools needed like real number properties, algebraic expressions, solving equations and inequalities, solving absolute value equations and inequalities, and probabilities. It studies functions, equations, and graphs; linear systems; matrices; quadratic equations and functions; polynomials and polynomial functions; radical functions and rational exponents; exponential and logarithmic functions; rational functions; quadratic relations and conic sections; sequences and series; probability and statistics; and periodic functions and trigonometry.

GEOMETRY

Grade Level: 9-12

Prerequisite: Algebra 1

Course #305

Geometry is all about shapes and their properties. Students who take it need to have completed Algebra I successfully. It reviews the tools needed like concepts of lines, points, and planes; linear measure; distance and midpoints; angle measurement; and two-dimensional as well as three-dimensional figures. It studies reasoning and proofs; parallel and perpendicular lines; congruent triangles; relationships in triangles; quadrilaterals; right angles and trigonometry; transformations and symmetry; circles; areas; volumes; and probability and measurement.

PRE-CALCULUS

Grade Level 11-12

Prerequisite: Algebra 1, Geometry, and Algebra 2

Course #306

Pre-calculus (Advanced Mathematical Concepts) prepares a student to take calculus. Students should have completed geometry and algebra II. It studies linear relations and functions; systems of linear equations and inequalities; the nature of graphs; polynomials and rational functions; trigonometric functions and inequalities; vectors and parametric equations; polar coordinates and complex numbers; conics; exponential and logarithmic functions; sequences and series; combinatorics and probability; statistics and data analysis; and introduction to calculus.

APPLIED MATH

Grade Level: 11-12

Prerequisite: Algebra 1

Course #302

Applied math is designed to reinforce math operations using a variety of practical, real-life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on applying mathematics in the use of money, personal financial situations, and solving home and work problems by using the concepts of fundamental mathematics. Students practice these strategies within the context of simulations designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

CC MATH (dual credit) - Available through Distance Learning from NECC

Course #320

MATH1150 College Algebra

3 credits

MATH1220 Trigonometry

3 credits

MATH2000 Analytic Geometry & Calculus

5 credits

SCIENCE

Graduation Requirements: 3 years (2 of which must be Physical Science and Biology)

**PHYSICAL SCIENCE
GENERAL SCIENCE
CHEMISTRY**

**BIOLOGY
ANATOMY & PHYSIOLOGY
PHYSICS (Distance Learning)**

PHYSICAL SCIENCE (required)

Grade Level: 9

Course #401

This course is an introduction to high school science. Students will study many different equations, calculating density, acceleration, energy, etc. The course then moves on to Chemistry, where the goal is to determine and understand parts of the atom, ionic and covalent bonding, and chemical compounds. Finally, the class covers energy, work, and simple machines.

Physical Science uses scientific methods, lab skills, research, and problem-solving. It enforces basic skills needed throughout high school.

BIOLOGY (required)

Grade Level: 10

Course #402

The study of life. Biology is required to be taken by all students, mainly sophomores. In biology, students will learn about life and its processes. By studying ecology, students will be able to identify habitats, communities, and ecosystems. Parts and functions of eukaryotic and prokaryotic cells will be researched. Labs, including creating an ecosystem, are included in this course. Finally, the course outlines human biology as it compares to frog structure and function through the dissection lab.

GENERAL SCIENCE

Grade Level: 11-12

Course #403

This is a course offered that may be used to fulfill the three-year requirement of science. General science covers many areas of science. Chemistry, Physical Science, and Biology topics will be investigated individually and collectively to understand how they relate to each other.

Hands-on learning will help students understand many of the key concepts of this course. Designing labs and using student inquiry are important in general science.

ANATOMY AND PHYSIOLOGY

Grade Level: 11-12

Prerequisite: Physical Science & Biology with at least a C average

Course #404

A & P is a course offered to juniors and seniors who have successfully completed both physical science and biology with at least a C average. It is an upper-level class, with the goal of preparing students for college science classes.

The anatomy portion of the course involves an in-depth look at the organization of the human body. Topics include the Organization of the human body, cell contents and function, and body systems.

Physiology is the study of how different parts of the body function. The physiology aspect of this course studies the various ways the human body is affected by disease, medicine, and exercise.

CHEMISTRY

Grade Level: 11-12

Prerequisite: Physical Science, Biology, and Algebra 1

Course #405

Chemistry is a course that is offered to juniors and seniors who have successfully passed physical science, biology, and at least algebra 1. It is an upper-level class that helps prepare students for a college education.

This course is a complex class that delves into the parts of an atom, the organization of the periodic table, and different chemical bonds. Chemistry also covers the history of chemistry and its different models. During chemistry, students will also determine the molar mass, analyze reactions, and notice different energy relationships. Finally, students will learn about stoichiometry, a necessity for college-level chemistry classes.

Labs and calculations compile the information covered in this course.

PHYSICS - This course is taught through Distance Learning

Grade Level: 11-12

Prerequisite: 2 years of Science and Algebra

Course #406

Physics is a course for juniors and seniors interested in science. Students will study mechanics, waves, electricity, bridges, and their design.

PHYSICAL EDUCATION

PE I AND HEALTH ADVANCED PE

PE II AND HEALTH WEIGHTS

PE I AND HEALTH (required)

Grade Level: 9

Course #501

This course provides a history of many teams and individual activities. Information about the care of equipment and basic knowledge of rules and techniques will be stressed. Different ideas about strategies, safety concerns, and physical benefits of participating will also be covered. Health emphasizes the state of one's well-being, which includes how you feel physically, mentally, and socially.

PE II AND HEALTH (required)

Grade Level: 10

Course #502

Physical Education II is a more comprehensive course that will provide the students with the opportunity to better develop the skills learned in PE I. Health will also be required as per PE I

ADVANCED PE

Grade Level: 11-12

Course # 505

Advanced PE prepares students for lifelong health by focusing on activities they can enjoy outside of a school setting. It promotes physical literacy, personal fitness, and wellness through individual, dual, and team sports, while teaching the benefits of a physically active lifestyle for long-term health.

WEIGHTS

Grade Level: 11-12

Course # 503

Course# 515

This course focuses on improving physical fitness, strength, speed, agility, and athletic performance through structured weight training and total-body conditioning. Students will develop proper lifting techniques, muscular strength and endurance, flexibility, cardiovascular fitness, and injury prevention skills. Activities include speed and agility drills, plyometrics, and sport-specific conditioning. Students will also learn safe equipment use, goal setting, nutrition, recovery, and lifelong fitness habits. Open to all ability levels, the course emphasizes personal growth, teamwork, effort, and safe participation.

FINE ARTS

**ART I
ADVANCED ART III
MUSIC (BAND & CHOIR)**

**ADVANCED ART II
ART SCULPTURE**

ART I

Grade Level: 11-12

Course #601

Art One includes work in 2D and 3D media, including drawing, watercolor, acrylic, sculpting, printing, and photography. These media are approached through the application of the elements and principles of art to give students a foundation for all art-making.

ADVANCED ART II

Prerequisite: Art I

Course #602

Art Two builds on the basic foundation of Art One. Students hone their understanding of the elements and principles by applying more complex techniques in 2D and 3D media. In addition, students delve further into their area of interest by completing personalized projects, which allow them to focus on creative problem-solving.

ADVANCED ART III

Prerequisite: Art II

Course #602x

Art Three advances students towards independent study. Students demonstrate their art competence through their choice of media and projects. Students explore alternative media such as textiles, found objects, and film with a focus on a personal connection to art making.

ART SCULPTURE

Prerequisite: Art I & Art II

Course # 602y

Art Sculpture focuses on 3D construction techniques through additive and subtractive methods. Students experience a variety of materials such as plaster, wood, cardboard, and more. These materials are applied uniquely through student interpretation of creative prompts. The elements and principles of art are reinforced throughout.

MUSIC-BAND AND CHOIR

Band Course #606

Choir Course #603

Music was introduced to each one of us in our formative preschool years. Then we enjoyed and learned more about music at the elementary and middle school levels. In junior high, we joined the band and sang in the choral group. Those were the preparation years for high school. We owe it to ourselves not to Stop There. Music is as basic to our overall education as any other subject if we take advantage of it and use it. Today's society demands we be well educated, and research has shown that music increases a student's intellectual abilities.

RCHS Music Department provides an opportunity for students to continue their pursuit of musical education, participation, and employment. The co-curricular offering of our music program includes marching band, concert band, pep band, jazz band, conference band, attending the District Music contest, participation in honor bands, and the John Philip Sousa award for seniors. Concert choir, girls' glee, boys' glee, small ensembles, solo performances, and participate in honor choir and private lessons.

INDIVIDUAL BAND LESSONS

Course #606e

Students will receive individualized lessons on a daily basis. These lessons will include preparation for concerts, pep band, honor band auditions, and small ensembles.

FAMILY CONSUMER SCIENCE

INTRODUCTION TO FCS

ADVANCED FCS

Introduction to FCS

Course #660

This course is designed with introductory concepts in Family and Consumer Sciences in mind. Students will develop their knowledge of:

- Family Living
- Decision Making
- Nutrition
- Consumer Practices
- Hand and Machine Sewing Techniques

Advanced FCS

Course #661

This course is a continuation of Intro to FCS, also with a prerequisite of FCS.

- Decision Making
- Nutrition
- Consumer Practices
- Hand and Machine Sewing Techniques

FOREIGN LANGUAGE

SPANISH I SPANISH III

SPANISH II

SPANISH I

Course #604

Spanish I is an introductory course stressing basic language skills (reading, writing, speaking, and listening) and acquisition. Specifically, Spanish I students will:

- Use the target language to communicate within and beyond the classroom setting using high-frequency structures, supplemental vocabulary, grammar, and idiomatic expressions.
- Use the target language to develop an understanding of the customs, arts, authentic texts, history, and geography associated with Hispanic countries.
- Use the target language to make connections and reinforce knowledge and skills across academic, vocational, and technical disciplines.

SPANISH II

Prerequisite: Spanish I

Course #605

Spanish II is a continuation of skills and content learned in Spanish I. Specifically, Spanish II students will:

- Build upon the foundations of Spanish I by adding more complex structures, supplemental vocabulary, and idiomatic expressions.
- Use the target language to explore popular and traditional music and film.
- Master grammatical conventions such as complex verb tenses and modes.
- Continue to use the target language to make connections and reinforce knowledge and skills across academic, vocational, and technical disciplines.

SPANISH III

Prerequisite: Spanish I & Spanish II

Course #605

Spanish III builds upon the skills developed in Spanish I and II, advancing students' proficiency in listening, speaking, reading, and writing. The course expands vocabulary and strengthens the ability to understand and use Spanish in context, including storytelling and everyday conversation.

Students are encouraged to pursue further Spanish studies and to use the language beyond the classroom. Cultural exploration remains a key component, as students deepen their appreciation of Latino cultures through literature, music, dance, traditional foods, and folk arts.

BUSINESS

**ACCOUNTING I
BUSINESS LAW
DIGITAL MEDIA
INFORMATION TECHNOLOGY**

**ACCOUNTING II
CAREERS
PERSONAL FINANCE
INTRODUCTION TO BUSINESS**

ACCOUNTING I

Course #701

Study of the system of keeping financial records for an individual, a sole proprietorship, a partnership, and a corporation. This includes both service and merchandising businesses. We learn such things as how to keep checkbooks, prepare income statements, prepare balance sheets, etc. It is a very important class for all students, no matter their future plans.

ACCOUNTING II

Prerequisite: Accounting I

Course #702

Introduction to principles of debit and credit, recording of purchases and sales of merchandise and equipment, calculation and recording of interest and depreciation. Includes methods of determining inventory values and payroll procedures. Preparation of statements for a service and merchandising business, and completing a financial analysis. Includes procedures for handling uncollectible accounts. Takes a deeper look into the accounting process.

BUSINESS LAW

Senior level class

Course #705

The study of how laws pertain to our everyday business dealings. Specifically, contract law, buying and selling goods, credit transactions, employment contracts, ownership of real and personal property, insurance, income tax, and commercial paper as well as in-depth study of partnerships and corporations.

CAREERS, SEMESTER (required)

Grade Level: 12

Course #708

Careers is a semester-long senior course. Careers is a course designed to help students transition into the world of work. This course introduces students to several job clusters and gives them the opportunity to evaluate their own aptitudes in relation to different careers. Guest Speakers, student experience, and textbook content are tied specifically to the workplace. Career cruising and Internet sites are also used for student career exploration. Other areas covered will be resumes, job applications, interviewing, college exploration, and college applications.

DIGITAL MEDIA**Grade Level: 9-12****Course #720**

Students will create, design, and produce digital media, including sound, video, and graphics. We will also be diving into video production and character animation. This class is responsible for the production of the Senior video.

PERSONAL FINANCE, SEMESTER (required)**Grade Level: 12****Course #700**

This course will provide a foundation for financial literacy. Areas touched on are the stock market, keeping a checkbook, basic banking knowledge, money management strategies, budgeting, credit, and consumer skills.

INFORMATION TECHNOLOGY**Grade Level: 9-12****Course #719**

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and spreadsheet applications. You will be required to sign an Internet User Agreement prior to ANY use of the Internet.

INTRO TO BUSINESS**Grade Level: 9-12****Course #718**

This course is designed to introduce students to the Business, Marketing, and Management Career Field, which focuses on organization, economics, management, marketing, financial management, and operations. Career opportunities and technology used in business will also be discussed.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

**INTRODUCTION TO AGRICULTURE
AG BUSINESS/AG COMMUNICATIONS
AG ENTREPRENEURSHIP
WELDING**

**ANIMAL SCIENCE
FOOD SCIENCE
PLANT SCIENCE
WORK-BASED LEARNING**

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

Prerequisite: None

Grade Level: 9-10

Course #815

This introductory course provides a brief knowledge base and technical skills of several topics within the agricultural industry, including production agriculture, food, and natural resources, cluster foundation knowledge and skills, leadership development, the National FFA organization, and career exploration. Topics within this course are intended to spark interest in future courses and careers for students. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs, and activities.

ANIMAL SCIENCE

Prerequisite: Intro to AFNR

Grade Level: 10-12

Course #812

A course focusing on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal systems career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

AG BUSINESS/AG COMMUNICATIONS

Prerequisite: Intro to AFNR

Grade Level: 10-12

Course #805

This course covers skills necessary for entry into employment or furthering education in the agriculture business. The course includes the study of business organizations, business structures, job responsibilities, human relations, marketing, selling, displaying, using business machines, management, and entrepreneurship skills. Classroom and laboratory activities are supplemented through supervised agricultural experiences, leadership programs, and activities.

AGRICULTURAL ENTREPRENEURSHIP

Prerequisite: Students who are involved in an Agricultural School-Based Business

Grade Level 9-12

Course #829

This course covers skills necessary for students to analyze and establish entrepreneurial businesses. The course includes the study of personal and business financial planning, obtaining capital and credit, repaying loans, analyzing financial information, decision-making, developing business plans, and applying sales and marketing principles. Classroom and laboratory activities are supplemented through supervised agricultural experiences and FFA leadership programs & activities.

FOOD SCIENCE AND SAFETY

Prerequisite: Intro to AFNR

Grade Level: 10-12

Course #837

This course focuses on the importance of a safe, sanitary, and reliable food supply for human consumption. Topics explored include food safety regulations and requirements in processing facilities and food service establishments, along with home handling of foods. Students will also learn to identify pathogenic foodborne illnesses and identify methods to prevent and control those illnesses in various types of food products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs, and activities.

PLANT SCIENCE

Prerequisite: Intro to AFNR

Grade Level: 10-12

Course #811e

This course examines the scientific concepts related to plant systems. Students will examine plant classification, anatomy, physiology, and asexual and sexual propagation. In addition, students will develop an understanding of plant nutrition and growth and production methods. Classroom and laboratory activities are supplemented through supervised agricultural experiences, and FFA leadership programs & activities.

WELDING**Grade Level 10-12****Course #820****Class Limit: 8 students**

This class will introduce shop rules and safety procedures. Students will learn how to perform the following welds: shielded arc welding, oxy-fuel welding, and gas metal arc welding (MIG or wire welding). They will become proficient at welding the following welds: beads, butt welds, t-welds, lap welds, corner welds, and pipe welds. They will perform these welds in several positions, including flat, horizontal, vertical, and overhead. Students will also learn how to cut metal with a gas torch and a plasma cutter. Classroom and laboratory activities are supplemented through supervised agricultural experiences, leadership programs, and activities of the FFA.

WORK-BASED LEARNING (Year Long)**Prerequisite: Intro to AFNR****Grade Level 11-12****Course #813**

Work-based learning allows Junior and senior students to go to worksites throughout the community. Worksites are assigned based on the student's future career interests and goals. Students spend each day at their worksite learning how to work in a specific career field.

