



St. Cecilia High School Course Description Book

St. Cecilia High School]
Hastings, NE 68901

Revised January 2024

Academic Information

REQUIRED COURSEWORK

<u>DEPARTMENT</u>	<u>NUMBER OF YEARS REQUIRED/RECOMMENDED</u>
Theology	4
English	4
Mathematics	3 (4 years recommended for college bound)
Natural Science	3 (4 years recommended for college bound)
Social Science	3 (includes 1 semester of Economics)
World Language	2 (3 - 4 years recommended for college bound)
Fine Arts	2
Career Education	2 (Includes one semester each of Information Tech App1 and Personal Finance)
Health	1 Semester
Speech	1 Semester
Physical Education	1 Semester

All St. Cecilia Students must be enrolled in at least seven classes each semester. Most students enroll in eight classes each semester. The schedule allows many students to have a study time three days each week during Hawk Block after period eight.

GRADING SCALE

- A – Superior (93-100%)
- B – Above Average (85-92%)
- C – Average (77-84%)
- D – Below Average (70-76%)
- F – Failing (below 70%)

EARLY COLLEGE CREDIT/DUAL CREDIT

Students have several options of taking college credit classes while enrolled at St. Cecilia.

- Early college credit may be taken by high school students who have attained junior-level status, are at least 16 years old, and meet required prerequisites and college guidelines. Central Community College offers a number of courses which students may enroll and gain early college credit.
- Dual credit opportunities are available for English IV, Spanish IV, and Honors Biology through NE Wesleyan University. Students enrolled in dual credit courses receive high school credit as well as college credit for the same course.

Please see the Student Handbook for complete information.

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St. Cecilia High School Course Descriptions

THEOLOGY DEPARTMENT

THEOLOGY I

- full year course
- Freshman requirement

This course is an introduction to Sacred Scripture. In the first semester, the principles of Scriptural interpretation will be examined, followed by a study of the major figures of the Old Testament. In addition, prophetic and wisdom literature in the Old Testament will be studied. The second semester will involve a study of the life of Jesus as presented in the Gospels and a study of the Early Church and the theology of St. Paul.

1 unit or 10 credit hours for full year course

THEOLOGY II

- full year course
- Sophomore requirement

The students will trace the history of the Church from its foundation by Jesus Christ to the present in the first semester. Second semester, students are assisted in answering God's call to holiness. The course is made up of three segments: prayer, Mass and the sacraments.

1 unit or 10 credit hours for full year course

THEOLOGY III

- full year course
- Junior requirement

In this course the students will learn the rational foundation for a Catholic moral life, with an emphasis on what the Church proposes as a just life, rather on what they should and should not do. In the second part of the course, the students will engage in a more critical study of the catechism, geared to their level of intellectual development, with an emphasis on knowing the reasons behind their faith.

1 unit or 10 credit hours for full year course

THEOLOGY IV

- full year course
- Senior requirement

This course is a study of Catholic Social Teaching and issues of Social Justice. Goals include an understanding of the issues of poverty, homelessness, developing countries, political systems, just war and nuclear deterrence. Spring semester covers vocations in the church: a study of the call to holiness and includes a study of the call to single life, religious life and priesthood and a study of the Sacrament of matrimony and the Church's teaching on human procreation.

1 unit or 10 credit hours for full year course

LANGUAGE ARTS DEPARTMENT

ENGLISH I

- full year course
- Freshman requirement

This course is concerned with developing proficiency and control in the use of English language forms, a familiarity and understanding of a variety of literary genres, and vocabulary building. The goals of instruction are an understanding of the use of composition, language, and literature by students.

1 unit or 10 credit hours for full year course

ENGLISH II

- full year course
- Sophomore requirement

This course is concerned with further development of proficiency and control in the use of the English forms and appreciation of various literary genres and vocabulary building. English II emphasizes research techniques, formal research and argumentative writing.

1 unit or 10 credit hours for full year course

ENGLISH III

- full year course
- Junior requirement

This course develops proficiency and control in the use of English forms. English III emphasizes a variety of American Literature, creative and persuasive writing, and vocabulary.

1 unit or 10 credit hours for full year course

ENGLISH IV

- full year course
- Senior requirement
- Eligible for Dual Credit through Nebraska Wesleyan University (up to 6 credit hours)

This course introduces students to the development of English Literature, using a chronological approach that exposes students to the historical and social foundation for such great literary works as those of Chaucer, Shakespeare, Swift, Austen, Dickens, and others. Students will do considerable reading, writing, and critical thinking in this course, which also includes learning the formal process for the development of the research paper in preparation for college expectations. This course is eligible for college credit through a partnership with Nebraska Wesleyan University. Students may, if they so elect, gain up to six (6) college credits for Freshman English writing course requirements/general electives at a reduced tuition cost to parents. Credits are transferrable to most colleges and universities. Students must receive a grade of C or better for credits to be transferrable.

1 unit or 10 credit hours for full year course/NWU credit 6 hours

SPEECH

- semester course
- Sophomore requirement

This course will provide instruction for both individual and group presentations. The goal is to prepare students to acquire knowledge of the elements of communication in a variety of situations. Persuasive, informative, demonstration, prepared and impromptu speaking will be covered. A variety of techniques will be utilized such as: group discussion, interview, song analysis, nonverbal communication, duet-acting, video, and much more will be investigated.

.5 units or 5 credit hours for semester course

CREATIVE WRITING

- full year course
- open to Juniors and Seniors

Learning experiences designed to develop knowledge, understanding, and skills involved in expressive uses of writing. Experiences include poetry, fiction and non-fiction used primarily to express the interests and emotions of the writer.

YEARBOOK

- full year course
- open to Juniors and Seniors
- Credit toward Career Education requirement

Yearbook is designed to allow students to plan, design and execute St. Cecilia's yearbook. Skills to be acquired include learning and techniques of layout and design, photography, and reporting, editing, and writing. The emphasis will be on the dedication, involvement in ad selling, creativity, and knowledge necessary to produce a professional looking publication. Off campus permission forms are required to be signed by parents for ad selling and yearbook errands during school.

1 unit or 10 credit hours for full year course

THEATER

- semester course
- open to Sophomores, Juniors, and Seniors

Theater class will help students develop acting techniques through a variety of activities and scene selections. The course will be geared to students who have already done some acting, but who want to refine and develop skills. The class will focus on monologues, duet scenes, and improvisation.

MATHEMATICS DEPARTMENT

ALGEBRA I

- full year course

An organization of mathematics subject matter concerned primarily with introductory study of properties of number systems. Topics studied include algebraic expressions and symbols, operations of reals (addition, subtraction, multiplication, division), binomials, absolute value, and functions.

1 unit or 10 credit hours for full year course

GEOMETRY

- full year course
- Prerequisite Algebra I

A formal geometry course which covers basic geometric terms such as points, lines, planes, and angles; direct and indirect proofs; parallel lines and planes; congruent triangles; similar polygons; right triangles; introductory figures; areas and volumes of solids; and coordinate geometry.

1 unit or 10 credit hours for full year course

ALGEBRA II

- full year course
- Prerequisite Algebra I AND Geometry

An organization of mathematics subject matter concerned primarily with intermediate and advanced study of properties of number systems (real numbers, complex numbers). Topics studied include graphing in two dimensions, set notations, polynomials, exponential notation and operations with exponents, complex numbers.

1 unit or 10 credit hours for full year course

PRE-CALCULUS

- full year course
- Prerequisite: Algebra I & II, and Geometry. (Student must have received an A or B in Algebra II; OR approval from Algebra II and Pre-Calc teachers)

The study of two fundamental limits, called the derivative and integral, and their evaluation by means of a function of algebra called “the Calculus”. Includes upper and lower bounds, limits, continuous functions, and trigonometric ratios and circular functions in trigonometry.

1 unit or 10 credit hours for full year course

CALCULUS

- full year course
- Prerequisite: Student needs to have received a 90% or above in Pre-Calculus, or have teacher approval to enroll in this course

The study of limits, derivative, integrals, approximation, applications and modeling. Students will be able to work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal.

1 unit or 10 credit hours for full year course

STATISTICS

- full year course
- Prerequisite: Algebra II with an A or B, OR approval from Algebra II and Pre-calc teachers to enroll in the course

This course will introduce the students to statistics and probability. This course will help the students prepare for college statistics by introducing them to measures of averages and variation, including mean, median, mode, range and standard deviation. The course will also cover topics such as the elementary probability theory, binomial probability distribution and hypotheses testing.

1 unit or 10 credit hours for full year course

NEBRASKA MATH READINESS PROGRAM

- full year course
- Junior or Senior with ACT Math score within the 13-18 range

This course will help prepare students for college level math. This course is a self-paced class reviewing arithmetic, number sense, algebra, and problem solving. Completing certain levels can reduce the number of math classes a student would need to take in college. This course has also recently added a “Tech Math” option for students interested in attending a trade school.

1 unit or 10 credits hours for full year course

GENERAL MATH

- full year course.
- Teacher placement

Enrollment in General Math may be for credit recovery or advancement to the next level of math. Students may receive credit for Algebra A, Algebra B, Geometry Standards, or Intermediate Algebra.

1 unit or 10 credits hours for full year course

NATURAL SCIENCE DEPARTMENT

PHYSICAL SCIENCE I

- full year course
- Freshmen requirement

This course is an introduction to basic topics, concepts and processes of chemistry and physics. Students need to maintain a minimum of a C average with teacher recommendation to take Honors Biology.

1 unit or 10 credit hours for full year course

BIOLOGY

- full year course
- Sophomore requirement

The study of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy and organization in living systems, and behavior of organisms. Students will develop the ability to think and act in ways associated with scientific inquiry. Lab work is required

1 unit or 10 credit hours for full year course

CHEMISTRY

- full year course
- Prerequisite: Algebra I & II - (completed or concurrent)

In this course students will study the composition, structure, and properties in matter including the accompanying energy phenomena. Included are qualitative and quantitative experiments, scientific observation, and interpretation of experimental results. Lab work required.

1 unit or 10 credit hours for full year course

PHYSICS

- full year course
- Prerequisite: Algebra I, Geometry, & Algebra II

This course will explore both the theoretical and practical study of matter and energy, the relationships between the two and include phenomena associated with mechanics, heat, wave motion, sound, electricity, magnetism, light, and atomic and nuclear structure. Lab work required.

1 unit or 10 credit hours for full year course

ANATOMY/PHYSIOLOGY

- full year course
- Prerequisite: Biology

This upper level science course focuses on anatomical terminology, anatomical identification, and physiological processes of human body systems. Students interested in pursuing a career in healthcare should take this course. Lab work is required.

1 unit or 10 credit hours for full year course

HONORS BIOLOGY

- full year course
- Prerequisite: Biology

This course will build upon the biological concepts of the sophomore biology course. Major topics of this course will include: advanced cellular/molecular biology, development, ecological adaptations, and current biological research topics. Lab work is required.

1 unit or 10 credit hours for full year course/NWU credit for 4 hours

SOCIAL SCIENCE DEPARTMENT

WORLD HISTORY

- semester course
- Freshmen requirement

Students will examine people, places, and events from early history until the 1700s. The class will look at the development of early civilizations and the rise of empires through the Age of Exploration. Topics covered include: Mesopotamia, the development of World Religions, the development of Asian societies, Greece, Rome, Medieval Europe, Renaissance, and Absolutism in Europe. Students will also develop skills in geography and analyzing primary and secondary sources, in addition to the causes and effects of events in world history and how those events impacted people and societies.

1 unit or 10 credit hours for full year course

AMERICAN GOVERNMENT

- semester course
- Senior requirement

Students will explore the foundations and workings of the United States Government. We will discuss the roles and functions of each branch of government and their interactions with each other and American citizens. Students will also read and interpret the Constitution to understand its history and impact on our society, as well as, what rights citizens have under the Constitution.

.5 units or 5 credit hours for semester course

AMERICAN HISTORY

- full year course
- Junior requirement

The study of the history of events, individual groups, institutions, artifacts, and other phenomena associated with the United States. Students will explore people, events, and places throughout American History from the American Civil War to the 1990s, including topics such as Reconstruction, Oregon Trail, War on the Plains, Spanish-American War, WWI, Great Depression, WWII, and the Cold War. Students will analyze primary and secondary sources, as well as, examine the causes and effects of major events in American History.

1 unit or 10 credit hours for full year course

CIVICS/REVOLUTIONS AND CIVIL WARS

- full year course

First-semester, students will explore civic participation including voting, contacting senators, and engaging in productive discussion. Students will also explore the roles of the court systems and state and local governments. We will end the semester by diving into international politics, how countries interact with each other, and how terrorism impacts the world. Second semester, students will work to define the difference between revolutions and civil wars throughout history.

1 unit or 10 credit hours for full year course

PSYCHOLOGY

- semester course
- open to Juniors & Seniors

This course is an introductory class that is structured to include the following topics. Human growth and development from the pre-natal period through adulthood, learning theories and their applications; theories of personality and personality development; stress and its influence on physical and mental health; theories of motivation and applications of those theories, psychological disorders, leadership, social attitudes and influence and careers in psychology. Emphasis will be placed on the development of an understanding of factors that influence the behavior of individuals.

.5 units or 5 credit hours for semester course

SOCIOLOGY

- semester course
- open to Juniors & Seniors

This course is an introductory class that includes the following topics: culture and socialization, social structure and society, groups and formal organizations, social stratification, political and economic institutions, social change and group behavior. Emphasis will be placed on the development of an understanding of how groups influence behavior.

.5 units or 5 credit hours for semester course

FINE ARTS DEPARTMENT

ART I

- semester course

The students in Art I will be introduced to various beginner techniques and mediums including drawing, painting, color theory, sculpture, and ceramics. Projects will build on one another in theory and history and students will learn to incorporate art principles and elements of design into their art. Art history will be taught in conjunction with projects and students will be expected to research different artists and know their effect on history and art.

.5 units or 5 credit hours for semester course

ART II

- full year course
- Prerequisite: Art I

The students in Art II will continue to explore drawing, painting, sculpture and ceramics on an intermediate level with higher difficulties and more expectations. While their skill set builds they will be expected to incorporate their past knowledge and experience from art into their current projects and ideas. Artist reports will become more intense by learning a timeline of when artists existed and influences throughout their work. Student knowledge of history will start to be used to explain the importance of art throughout history and the effects of society through art.

1 unit or 10 credit hours for full year course

ART III

- full year course
- Prerequisite: Art II

The students in Art III will explore advanced drawing, painting, sculpture and ceramics. While building skills within different mediums students will be expected to start to develop a personal “style” of art. Exploring other artist techniques and mediums each student will use their artist knowledge to develop a body of cohesive work that describes themselves as an artist.

1 unit or 10 credit hours for full year course

ART IV-PORTFOLIO DEVELOPMENT

- full year course
- Prerequisite: Art III

This course is an intense art class specifically designed to direct each learning artist into an individualized goal. The student will learn to create a themed portfolio that exhibits their base of knowledge through art and illustrates their place as an artist through a chosen medium. Each student will develop a contract that will agree to a number of projects in various mediums and will be expected to obtain that goal of projects. The end goal of this class is a working portfolio that illustrates the artist’s skills and intellectual abilities.

1 unit or 10 credit hours for full year course

BAND I/II/III/IV

- full year course

Band provides students with many opportunities to perform instrumental music while also learning many facets of music. Students also learn about discipline, personal growth, team work, and other lifelong skills. The band will meet prior to the start of first period on weekdays during marching season in addition to its normal meeting time. The students in this class will perform at local, area, and state parade and field competitions, as well as, home sporting events and scheduled concerts in the fall. District and Conference music contests, as well as scheduled concerts are available for the students to perform in the spring semester. An auditioned jazz ensemble will practice prior to the start of first period on weekdays beginning 2nd quarter through the spring semester.

1 unit or 10 credit hours for full year course

CHORUS I/II/III/IV

- full year course

The chorus provides students the opportunity to sing for many occasions with a variety of genres of music while also exploring the entertainment element that is choir. Many musical facets will be covered as the students perform while also serving as the choir for Masses during the school year. This class may also provide the opportunity to attend the District Music Contest and Conference Music during the spring semester. Performances for this class may take place outside of the normal school day from time to time.

1 unit or 10 credit hours for full year course

WORLD LANGUAGE DEPARTMENT

SPANISH I

- full year course

This course is an introduction to the Spanish language, designed to develop skills in oral comprehension, speaking, reading, writing, and culture

1 unit or 10 credit hours for full year course

SPANISH II

- full year course
- Prerequisite: Spanish I

This course focuses on building skills introduced in Spanish I.

1 unit or 10 credit hours for full year course

SPANISH III

- full year course
- Prerequisite: Spanish I & II

Spanish III is the first in a two-part sequence of intermediate-level Spanish, designed to build upon basic-language concepts acquired in Spanish I and II, expand cultural knowledge, and increase confidence while enhancing listening, speaking, reading, and writing skills in Spanish.

1 unit or 10 credit hours for full year course

SPANISH IV

- full year course
- Prerequisite: Spanish I, II, and III

This course enables students to continue learning intermediate-level Spanish. Students are able to receive dual credit through Nebraska Wesleyan University.

1 unit or 10 credit hours for full year course/NWU dual credit 3 hours

INDEPENDENT STUDY SPANISH III/IV

- full year course
- Prerequisite: Spanish I & II

• Requirement: An open period in which to complete the course. Student will be in the Spanish classroom for the duration of the period.

HEALTH/PHYSICAL EDUCATION DEPARTMENT

HEALTH

- semester course
- Sophomore requirement

Sophomore health provides a general overview of health and wellness, stress, infectious and noninfectious disease, addiction, consumer health, and first aid. The first aid component includes basic use of first aid equipment, taking care of injuries, etc. The course will also explore the bodily systems and how they work together.

.5 units or 5 credit hours for semester course

FITNESS

- full year course
- open to Sophomores, Juniors & Seniors

This course will teach students how to be physically active for a lifetime. The students will learn about different lifetime activities and outdoor activities, in addition to exploring what benefits recreational activities have on the body.

.5 units or 5 credit hours for semester course; 1 unit or 10 credit hours for full year course

PHYSICAL EDUCATION I

- semester course
- Freshman requirement

This course is a multifaceted process of skills and activities aimed at students becoming physically educated, physically fit, able to enjoy a variety of physical activities, learn about personal hygiene skills, and become committed to lifelong health and physical well-being. While movement is the central focus of this course, cognitive learning is utilized in learning specific movement skills, game rules, strategies, problem-solving skills, safe and cooperative physical practices, good sportsmanship and etiquette, and goal setting.

.5 units or 5 credit hours for semester course

WEIGHT TRAINING/CONDITIONING

- full year course
- open to Freshmen-Seniors

An advanced course with an emphasis on significant social, emotional, mental, and physical benefits of physical activity directed to the promotion of total physical well-being with an emphasis on longevity and activity.

The emphasis is directed towards weightlifting to increase students/athletes strength.

1 unit or 10 credit hours for full year course

BUSINESS DEPARTMENT

(Career Education Courses)

ACCOUNTING I

- full year course
- open to Juniors and Seniors

The study of fundamental principles involved in the preparation and maintenance of financial records concerned with business management/operations.

1 unit or 10 credit hours for full year course

ACCOUNTING II

- full year course
- Prerequisite: Accounting I

This second-year accounting course designed to help students acquire additional knowledge of concepts, procedures and applications. Special emphasis is given to analyzing and interpreting financial information used in making managerial decisions.

1 unit or 10 credit hours for full year course

MARKETING

- full year course
- open to Sophomores-Seniors

Marketing will provide an opportunity for students to learn about the vital role that marketing plays in our economy and to develop valuable awareness of the subject. This course will cover the basic concepts, as well as, market research, market planning, and marketing management. Course content will be covered using the textbook with local examples and project-based assessment. Students will also be exposed to the various careers available in the marketing area and the effect of marketing on the global economy. Career experience will include observation of marketing at local businesses and schools. The course will conclude with students developing a marketing strategy and plan.

1 unit or 10 credit hours for full year course

INTRODUCTION TO ENTREPRENEURSHIP

- semester course
- open to Juniors and Seniors

The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial business in the United States and the impact on our national and global economy.

.5 units or 5 credit hours for semester course

PERSONAL FINANCE

- semester course
- Junior or Senior requirement

A study and application of the steps required in the personal financial planning process including budgeting, tax planning, insurance, investing, retirement planning, and estate planning. A personal or family financial plan will be developed.

.5 units or 5 credit hours for semester course

ECONOMICS

- semester course
- Senior requirement

Economics introduces students to fundamental economic concepts and principles, providing a comprehensive understanding of how individuals, businesses, and governments make decisions regarding the allocation of resources. Key topics covered include: understanding scarcity, opportunity cost, and the basic principles of supply and demand; exploring the behavior of individual markets, including consumer choices, production, costs, and market structures (perfect competition, monopoly, oligopoly, etc.); inflation, unemployment, fiscal policy, monetary policy, and economic growth; personal finance and budgeting, savings, credit, investments, and understanding personal financial management; economic systems, comparing and contrasting different economic systems such as capitalism, socialism, and mixed economies.

.5 units or 5 credit hours for semester course

INFORMATION TECHNOLOGY DEPARTMENT

(Career Education Courses)

CAD—Computer Aided Design

- full year course
- open to Juniors and Seniors

Students will be introduced to drafting skills using AutoCAD (Computer Aided Design). They will begin by learning basic drafting principles from line type to dimensions. Multiview drawings will utilize these principles to gain knowledge on how objects look from different views. Size description of drawings will be studied in dimensioning. To finish the semester, students will be introduced to 3D Modeling using Autodesk Inventor. The second semester will be composed of students studying residential architectural concepts and designing/creating their own 1500 square foot floor plan, foundation plan, and elevation drawings. The course will conclude with students designing and creating their own house floor plan. Autodesk Revit (the industry leader) will be used to create architectural drawings.

.5 units or 5 credit hours for semester course

INFORMATION TECHNOLOGY I

- semester course
- Freshmen requirement

The Microsoft Office Suite and Office 365 will be the primary software studied. Students will demonstrate basic skills in the areas of computer operations, file storage, email (Outlook), word processing (Word), spreadsheet applications (Excel), and electronic presentations (PPT). Current Internet Safety topics will also be taught.

.5 units or 5 credit hours for semester course

INFORMATION TECHNOLOGY II

- full year course
- Prerequisite: Information Tech I

Information Technology II is a computer elective course focusing on introducing web design, basic digital media and programming, and many other information technology topics.

First semester's theme will be favorite movie, and students will research the film and create a movie review for the private classroom YouTube channel. Web design principles with HTML/CSS, along with Weebly will culminate in creation of a simple website to promote the movie's fan club. Microsoft Publisher is another marketing tool the students will use to create flyers, etc. Database (Access) and advanced spreadsheets (Excel) will be used for member and rating information. Students will conclude with a final e-portfolio, highlighting the semester's work.

Semester 2—Students will be introduced to a wide range of information technology topics, including the following: IT Career Fields, programming concepts (Python), basic graphing design (Publisher), and digital media (Photography, Audio and Video).

1 unit or 10 credit hours for full year course

INFORMATION TECHNOLOGY III – Digital Design and Media

- full year course
- Prerequisite: Information Tech I
- open to Juniors and Seniors

Info Tech III is a digital design and media course. Students will build on the concepts learned in Info Tech II. The focus of the class is Adobe Creative Cloud, accompanied by Adobe apps. Why Adobe CC? Adobe is used by the professional sector (interior designers, graphic designers, landscape designers, and media publication). Learning how to use Adobe is a life-long skill to be used in a variety of applications. Students will use the school iPads to do supplemental activities for each unit. St. Cecilia uses Striv.tv as an online streaming service for athletics and other activities. Striv is a student-driven platform and will give our class real-world experience in video production.

1 unit or 10 credit hours for full year course

INFORMATION TECHNOLOGY IV – Computer Science and Programming

- full year course
- Prerequisite: Information Tech I
- open to Juniors and Seniors

Computer science introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course covers many topics including the internet, big data and privacy, and programming and algorithms. Info Tech IV will follow code.org's Computer Science Principles curriculum.

1 unit or 10 credit hours for full year course

AGRICULTURE, FOOD, AND NATURAL RESOURCES DEPARTMENT

(Career Education Courses)

INTRODUCTION TO AG, FOOD, AND NATURAL RESOURCES

- full year course
- open to 9-12

The introductory course for the Ag, Food, and Natural Resources career cluster provides a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

1 unit or 10 credit hours for full year course

PLANT SCIENCE

- semester course
- Prerequisite: Intro to Ag, Food, and Natural Resources
- open to 10-12

Plant Science is an introductory course to the basics of plant anatomy, care, reproduction and propagation. This will allow the student to begin exploring plant science as a career and industry, as well as, getting hands-on experience with our plants in the classroom. The student will learn about and be given the opportunity to participate in the FFA contests that connect with plant science.

.5 units or 5 credit hours for semester course

ANIMAL SCIENCE

- semester course
- Prerequisite: Intro to Ag, Food, and Natural Resources
- open to 10-12

Animal Science is an introductory course to the basics of animal biology, husbandry, nutrition, and selection. This will allow the student to begin exploring animal science as a career and industry, as well as, getting hands-on experience with our animals in the classroom. The student will learn about and be given the opportunity to participate in the FFA contests that connect with animal science.

.5 units or 5 credit hours for semester course

AGRICULTURE BUSINESS

- semester course
- Prerequisite: Intro to Ag, Food, and Natural Resources
- open to 11-12

Agriculture Business is an upperclassmen level course that covers the business, market, sales, and economic side of agriculture. This will allow the student to explore the careers and opportunities related to business of agriculture. The student will learn about and be given the opportunity to participate in the FFA contests that connect with Ag Business.

.5 units or 5 credit hours for semester course