



# **CLIFTON-CLYDE HIGH SCHOOL**

2023-2024



# **CURRICULUM GUIDE**



**CLIFTON-CLYDE HIGH SCHOOL**  
**616 N HIGH ST**  
**CLYDE. KS 66938**

This guide has been prepared to assist students and parents with the enrollment process. The guide describes comprehensive course offerings and descriptions for courses. The courses listed within this guide are tentative offerings and may be changed at any time. A course can be offered only if there is sufficient enrollment in the course. Course offerings and the number of times a course is offered each school year are determined by the number of students enrolled and by requests from the staff. Some courses are offered every other year. Before class selections are made, it is recommended that both students and parents carefully read the information contained within this guide. Special attention should be given to the graduation requirements, Kansas Scholars Curriculum, certifications, and credentials.

Students have 3 days at the beginning of the semester to make any changes to their schedule.



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**GRADUATION  
REQUIREMENTS**

### CCHS Graduation Requirements

<b>English - 4 units</b>	<b>Social Science - 3 units</b>
English I, II, III, IV English Applications College English Composition I and II	Social Studies American History Government/Economics
<b>Math - 3 units</b>	<b>Science - 3 units</b>
Financial/Fundamental Algebra Algebra I Geometry Algebra II Explorations in Data Science Technical Math Transition to College Algebra Trigonometry/Pre-Calculus Calculus College Algebra	Biology I Physical Science Biology II Chemistry Health Science Physics (online) Animal Science Natural Resources Plant and Soil Science Wildlife Science
<b>Fine Art - 1 unit</b>	<b>Parenting/Psychology - 1 unit</b>
Art Band/Vocal Music 3 years of Woods Graphic Design/Design	Consumer and Personal Finance Human Growth and Development/Family Studies College Psychology
<b>Computers - 1 unit</b>	<b>Physical Education - 1 unit</b>
Interactive Media	Physical Education Strength and Conditioning
<b>Character Ed - 1 unit</b>	<b>Electives - 8 units</b>
Advisory*	
<b>Total - 26 units</b>	

\*Students must successfully complete a job shadow set up through the School Counselor their junior year to pass advisory.



## KANSAS BOARD OF REGENTS Kansas Scholars Curriculum & State Scholar Quick Facts

Completion of the Kansas Scholars Curriculum is one of the requirements Kansas residents must meet in order to receive State Scholar designation. This occurs during the senior year of high school.

### What are the other requirements to become a State Scholar?

- Students must have taken the ACT between April of the sophomore year and December of the senior year.
- Students must be a Kansas resident.
- Students must have their curriculum and 7th semester GPA certified on the official roster by the high school counselor, registrar, or similar official.

### KANSAS SCHOLARS CURRICULUM

#### English - 4 years

One unit to be taken each year. Must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and listening.

#### Mathematics - 4 years

Algebra I, Algebra II, Geometry, and one unit of advanced mathematics-- suggested courses include: Analytic Geometry, Trigonometry, Advanced Algebra, Probability and Statistics, Functions or Calculus. Completion of Algebra I in 8th grade is acceptable; the student would then only need three years of math in high school.

#### Science - 3 years

One year each in Biology, Chemistry, and Physics, each of which include an average of one laboratory period a week. Applied/technical courses may not substitute for a unit of natural science credit.

#### Social Studies - 3 years

One unit of U.S. History; minimum of one-half unit of U.S. Government and minimum of one-half unit selected from: World History, World Geography or International Relations; and one unit selected from: Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half unit courses may be combined to make this a whole unit.

#### World Language - 2 years

Two years of one language. Latin and Sign Language are accepted.

### What is the benefit of completing the Kansas Scholars Curriculum?

Students that complete this curriculum and meet the other requirements, may be designated as State Scholars, which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. The academic profile of recent scholars include an average ACT of 29 and an average GPA of 3.92. State Scholars may receive up to \$1,000 annually for up to four undergraduate years (five, if enrolled in a designated five-year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on the FAFSA.

For more information, contact us at (785) 430-4300 or at scholars@ksbor.org.



## Qualified Admissions

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

### ACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

#### ESU, PSU, FHSU, & WSU:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060)\*

#### K-State:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060)\*

#### KU:





- Cumulative High School GPA 3.25+  
**OR** Cumulative GPA 2.0+ and ACT 21+ (SAT 1060)\*

#### ALL Institutions Require:

- Cumulative GPA 2.0+ for College Credits earned in High School

**KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED:** To best prepare for the rigor of college-level courses, the Kansas Scholars curriculum is recommended.

One unit is equivalent to one year, or two semesters:

 English 4 units	 Math 4 units 1 unit of each: Algebra I, Geometry, Algebra II 1 unit: Advanced Math See <a href="#">KS Scholars page</a> For Math course list	 Social Science 3 units 1 unit U.S. History .5 unit U.S. Gov .5 unit World History 1 unit: Social Science course See <a href="#">KS Scholars Page</a> for Social Science course list	 Science 3 units 1 unit of each: Biology, Chemistry, & Physics	 Foreign Language 2 units of the same language
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**KANSAS SCHOLARS Program:** More information about the Kansas Scholars Scholarship & Curriculum can be found [here](#) (pdf).

### HOMESCHOOL & UNACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who are homeschooled or graduate from an unaccredited high school will be guaranteed admission to the six state universities by achieving an ACT score equivalent to those outlined above, per each university. If you enroll in college courses while in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

*\*If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.*

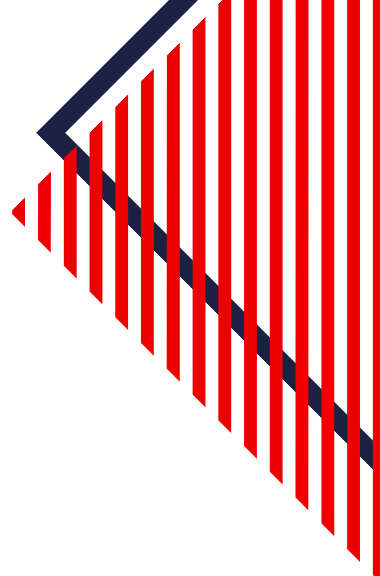
*This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: [www.kansasregents.org/qualified\\_admissions\\_rules\\_regulations](http://www.kansasregents.org/qualified_admissions_rules_regulations).*

December 2022





NCAA ELIGIBILITY



## Division I Academic Eligibility

To be eligible to compete in NCAA sports during your first year at a Division I school, you must meet **ALL** the following requirements:

- Earn 16 NCAA-approved [core-course credits](#):
  - Four years of English.
  - Three years of math (Algebra 1 or higher).
  - Two years of science (including one year of lab, if offered).
  - One additional year of English, math or science.
  - Two years of social science.
  - Four additional years of English, math, science, social science, world language or nondoctrinal religion/philosophy.
- Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
- Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- Earn a minimum 2.3 core-course GPA.
- Submit your final transcript with proof of graduation to the Eligibility Center.

- Students interested in being a Division I or Division II athlete must be eligible according to the NCAA Rules:

<http://www.ncaa.org/student-athletes/play-division-i-sports>

- Register with the NCAA Clearinghouse - Sophomore year

- Review the list of approved NCAA courses offered at CCHS and use this as a guideline in selecting courses each semester.

<https://www.ncaa.org/sports/2014/10/6/core-courses.aspx>

(School code: 170605)

- Students interested in being an athlete at an NAIA school you must be eligible according to the NAIA eligibility rules.

[www.playnaia.org](http://www.playnaia.org)

# USD 224 Career and Technical Education Pathways

**Completer:** A student who has completed a minimum of 3 secondary level credits in a single pathway with at least 2 of those credits being a combination of technical and application level courses, A completer must also earn an industry recognized certification or a passing score on an end of pathway assessment.  
**Concentrator:** A student who has earned 2 or more secondary level credits in a single CTE pathway and meets a 70% proficiency on technical skills assessment.

## CAREER AND TECHNICAL EDUCATION (CTE)

### Key: CTE Pathway

Introductory

Technical  
embedded credential

Application

- CCCC articulated college course (C or better, granted based on designated major)  
 - NCKTech articulated college course  
 \* = industry recognized credential

### Health Science

Biology I

Chemistry

Health Science

Nutrition and Wellness  
ServSafe Foodhandler

Biology II  
- SC120 Human Anatomy and Physiology I

Certified Nurses Aide  
\*CNA

### Power, Structural, and Technical Systems

8th: Exploratory Ag

Agriscience  
OSHA 10

Ag Fabrication

Agribusiness

Advanced Ag Fabrication  
\*AWS SENSE

- 2 credits of technical or application level - AG100 Ag in our Society

### Plant Systems

8th: Exploratory Ag

Agriscience  
OSHA 10

Plant and Soil Science  
- AG150 Intro to Horticulture

Agribusiness

Horticulture

- 2 credits of technical or application level - AG100 Ag in our Society

### Web and Digital Communication

8th: Computer Applications

9th: Interactive Media

Web Page Design  
- CS104 Intro to Web Site Design

Graphic Design

Media Technology  
- ART19 Design Center

### Business Finance

9th: Business Essentials

Personal Finance

Accounting  
- BE160 Business Accounting

### Construction and Design

Industrial Arts/Drafting

Residential Carpentry  
\*NCCER  
- CC106 Intro Craft Skills  
- CC107 Carpentry Basics

Cabinetmaking I

Residential Carpentry II

Cabinetmaking II

- One credit hour tuition waiver awarded for each credit taken

### Natural Resources and Environmental Systems

8th: Exploratory Ag

Natural Resources

Agriscience  
OSHA 10

Agribusiness

Wildlife Science

- 2 credits of technical or application level - AG100 Ag in our Society

### Teaching and Training

Intro to Family and Consumer Sciences

Human Growth and Development  
KCCTO Foundations for Safe and Healthy Early Care Facilities

Teaching as a Career

Teaching Internship

### Family, Community, and Consumer Services

Intro to Family and Consumer Sciences

Family Studies

Human Growth and Development  
KCCTO Foundations for Safe and Healthy Early Care Facilities

Personal Finance

Nutrition and Wellness  
ServSafe Foodhandler

Culinary Essentials

Career Connections/Community Connections  
ServSafe Foodhandler

### Comprehensive Agricultural Sciences

8th: Exploratory Ag

Agriscience  
OSHA 10

Animal Science  
- AG111 Animal Management

Natural Resources

Plant and Soil Science  
- AG150 Intro to Horticulture

Agribusiness

- 2 credits of technical or application level - AG100 Ag in our Society

### Animal Science

8th: Exploratory Ag

Animal Science  
- AG111 Animal Management

Agriscience  
OSHA 10

Agribusiness

Advanced Animal Science

- 2 credits of technical or application level - AG100 Ag in our Society

If a student takes an articulated course outlined above, it is the student's responsibility to work with the institution to ensure they receive credit for the course based on the institutional requirements.

<b>Course</b>	<b>Credit</b>	<b>Grade</b>
<b>Agriscience</b>	<b>1</b>	<b>9-10</b>
Agriscience will provide students an introduction to the Ag, Food and Natural Resources career cluster, which includes the 8 pathways of Plants, Animals, Ag Mechanics, Agribusiness, Foods, Natural Resources, Environment Services, and Biotechnology. FFA is also a major component of this course. Students will be expected to keep a record book and have a Supervised Ag Experience. FFA members must take this class to earn their Greenhand degree.		
<b>Animal Science</b>	<b>1</b>	<b>10-12</b>
Animal Science will provide students with knowledge of animal identification, anatomy, nutrition, behavior, reproduction, and selection qualities, mostly as they relate to livestock. Students will have the opportunity to earn Elanco Fundamentals of Animal Science Certification and NCLCA Livestock Selection Certification. *Counts as a Science Credit		
<b>Ag Fabrication</b>	<b>1</b>	<b>9-12</b>
Ag fabrication gives students the opportunity to build something with their own two hands that will last forever. It also teaches students a wonderful skill to have for future jobs. Students learn shop safety, reading welding plans, reading a tape measure as well as welding. Students will be introduced to MIG, SMAW, and Oxy Acetylene welding.		
<b>Natural Resources</b>	<b>1</b>	<b>10-12</b>
Natural Resources will provide students with knowledge about conservation and management of our earth's natural resources, especially native plants, soil and water. *Counts as a Science credit		
<b>Plant and Soil Science</b>	<b>1</b>	<b>10-12</b>
Plant Science provides students with instruction on the basics of soil and plants as they relate to agriculture. Students will gain experience in agronomy, turf management, greenhouse management, hydroponics, soil properties, fertilizers, pests, pesticides, and biotechnology. Students will gain hands-on experience in the greenhouse by growing vegetables and ornamental flowers. They will have the opportunity to earn BASF Plant Science Certification. *Counts as a Science credit		
<b>Wildlife Science</b>	<b>1</b>	<b>10-12</b>
Wildlife Science course will provide students with instruction on the basics of managing wildlife. Students will gain knowledge in wildlife management history, techniques, ecology, habitat, identification, regulations, and careers in the industry. Students will have the opportunity to earn Hunter Education Certification, Fur Harvester Education Certification, and Bowhunter Education Certification. Students will complete the National Archery in the Schools Program and the Student Air Rifle Program. *Counts as a Science credit		
<b>Advanced Animal Science (Veterinary Medical Applications)</b>	<b>1</b>	<b>11-12</b>
Veterinary Medical Applications covers topics relating to veterinary practices for large and small animal species. Students will cover topics such as livestock and companion breed identification, nutrition, anatomy, medical practices, and veterinary terms and equipment.		
<b>Applications in Horticulture</b>	<b>1</b>	<b>11-12</b>
General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. This class is offered during the same period as Plant Science. *Need Plant Science		
<b>Agribusiness</b>	<b>1</b>	<b>11-12</b>
Agribusiness students will be using the GrainBridge and C.A.S.E. curriculum to develop an online crop and livestock profile and will learn about risk management, commodities, marketing, contracts, incomes/expenses, cash flow statements, balance sheets, crop insurance, as well as starting and managing a business.		



**ART**

Course	Credit	Grade
<b>Art I - IV</b>	<b>1</b>	<b>9-12</b>
<p>Art I – IV is based on the years you have taken art within high school. Art is designed to reinforce and build on knowledge and skills developed at the elementary and middle school levels. It is the foundation level for art study throughout high school. Students taking Art will explore Art based on student choice media. Media such as, but not limited to, include pencil, chalk, charcoal, ink, ceramics, pottery and colored pencil will be used. Students are provided a continued foundation in the elements and principles of design and vocabulary in teacher-structured environment. Problem solving, decision making and Art History are emphasized throughout Art. *Meets Fine Art requirement</p>		

Course	Credit	Grade
<b>Interactive Media/Business Essentials</b>	<b>1</b>	<b>9</b>
<p>In Interactive Media courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and telecommunications.</p>		

Course	Credit	Grade
<b>Career Connections/Community Connections</b>	<b>1</b>	<b>10-12</b>
<p>*Must submit an application prior to the end of the school year:  <a href="https://forms.gle/kXUa1Sn2ffTDmrn26">https://forms.gle/kXUa1Sn2ffTDmrn26</a>            *Must have taken Nutrition and Wellness or Graphic Design.            Career and Community Connections is the Application-level course for the learner to apply technical skills in a professional learning experience, outside or within the school environment. Career and Community Connections provides the opportunity for learners to focus on career related topics, team building and effectiveness in the world of work, and acquiring job-seeking skills and retention needed to advance within the workplace</p>		



Course	Credit	Grade
<b>Entrepreneurship</b>	<b>.5</b>	<b>10-12</b>
<p>Students will be given basic life skills which will enable them to better manage their personal business affairs and to perform economic roles in today's complex society. Information about career opportunities in small businesses will be included.</p>		

Course	Credit	Grade
<b>Media Technology/Graphic Design</b>	<b>1</b>	<b>10-12</b>
<p>Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provides students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media. *Graphic Design meets Fine Art requirement</p>		

Course	Credit	Grade
<b>Marketing</b>	<b>.5</b>	<b>10-12</b>
<p>Marketing covers the principles and functions of marketing from the standpoint of conducting business. Typically, students develop such skills as using the internet as a marketing tool, conducting a marketing analysis, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business, and analyzing the impact of global marketing.</p>		

Course	Credit	Grade
<b>Personal Finance</b>	<b>1</b>	<b>11-12</b>
<p>This course will teach students how current choices impact future choices. We will discuss real-world topics including income, money management, smart consumer spending, credit, saving, and investing. Students will create personal budgets, learn how to use checking and savings accounts, gain knowledge in finances, debt, credit, insurance, and taxes. This course is designed to provide a foundation for students' understanding when making decisions regarding finances and financial independence.            *counts as a parenting/psychology graduation requirement</p>		

Course	Credit	Grade
<b>Web Page Design</b>	<b>1</b>	<b>10-12</b>
<p>Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.</p>		



**BUSINESS**

Course	Credit	Grade
<b>Industrial Arts</b>	<b>1</b>	<b>9-12</b>
Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields		
<b>Cabinetmaking I, II, III</b>	<b>1</b>	<b>10-12</b>
Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.		
<b>Residential Carpentry I, II</b>	<b>1</b>	<b>11-12</b>
A progressive application level course furthering the study of CNC equipment, composite panel products, and veneering, and the processes involved with fabricating goods with these technologies.		

Course	Credit	Grade
<b>English I</b>	<b>1</b>	<b>9</b>
English/Language Arts I (9th grade) courses build upon students prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.		
<b>English II</b>	<b>1</b>	<b>10</b>
English/Language Arts II (10th grade) courses offer a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, informational, comparison, technical, and creative multi-paragraph essays/compositions. Through the study of various genres of literature, students can improve their reading comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.		
<b>English III</b>	<b>1</b>	<b>11</b>
English/Language Arts III (11th grade) courses continue to develop students writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of American literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.		
<b>English IV</b>	<b>1</b>	<b>12</b>
English/Language Arts IV (12th grade) course continues building reading interpretation and writing skills. British literature is analyzed to develop students' language arts reading and writing skills. Typically, students primarily write multi- paragraph essays and writings modeled after the authors studied. Students are required to write a career research paper, resume, and cover letters plus participate in mock interviews.		
<b>College Public Speaking</b>	<b>.5</b>	<b>11-12</b>
CPS is an elementary course in the study and practice of the basic principles of speech and interpersonal communication with emphasis on critical thinking, the creative and intelligent selection of material, organization, and oral presentation. This is a 3-credit college course.		

# ENGLISH

# LANGUAGE ARTS

Course	Credit	Grade
<b>College English Composition I, II</b>	<b>1</b>	<b>12</b>
College English Composition courses include personal writing and research papers. The course will cover personal writing styles and techniques including word choice, sentence structure, and sentence fluency. The second semester will be based on literature and the analysis of literature. Students will also write argumentative papers and cover fallacies.		
<b>English Applications (Project Based)</b>	<b>1</b>	<b>10-12</b>
Project-Based Learning is a classroom environment which is more student led. Unlike the traditional classroom where the teacher plans assignments and projects around the required standards, things are FLIPPED in PBL. PBL students are mapping out, simplifying, and understanding their own standards so that they can create their own, individualized projects based on their own interests. Examples to satisfy standards: Create a game, draw a picture/present, write your own book, invent something, community project, write a play/act, investigate career opportunities, do a science lab, cook/bake, talk show, crime scene investigation, documentary, dance, etc.		
<b>Yearbook</b>	<b>1</b>	<b>9-12</b>
Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.		
<b>Yearbook Editor</b>	<b>1</b>	<b>12</b>
This class is specifically designed for the Yearbook editor. The student will work closely with the instructor to complete deadlines and publish the yearbook.		

Course	Credit	Grade
<b>Intro to Family and Consumer Science</b>	<b>1</b>	<b>9-12</b>
In-depth exploration of the Human Services pathway creating a foundation for further study. This course begins to prepare students for future roles as family members, wage earners, and community leaders. Topics include: Leadership and Teamwork, Budgeting and Money Skills, Insurance and Taxes, Workplace Skills, Healthy Relationships, Managing Life, Clothing Care/Repair/Sewing, Housing/Interior Design, Nutrition and Wellness, Food and Kitchen Safety, Healthy Cooking/Meal Planning and Prep, and Child Development and Care. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.		
<b>Career and Life Planning</b>	<b>.5</b>	<b>10-12</b>
Career and Life Planning courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. The course is designed to cover basic knowledge and skills in the areas of careers in the food industry, food preparation, food safety, nutrition and wellness, and shopping for food. The class is taught using a variety of materials and methods with an emphasis on a “hands on approach” whenever appropriate. Students are evaluated on their tests, homework, food labs, presentations, and daily assignments. The course is designed to be relevant to the student's' present day life and to be a foundation for future high school FCS classes.		
<b>Culinary Essentials</b>	<b>.5</b>	<b>10-12</b>
Culinary Essentials is a semester course with a prerequisite of Nutrition and Wellness which provides students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely including sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation.		
<b>Design</b>	<b>.5</b>	<b>10-12</b>
Design is a semester course designed to introduce students to basic sewing techniques and interior design. The course includes the study of choosing fabrics, pattern selection and wardrobe building. The class also introduces the students to the elements and principles of design. The class gives practical examples of how good design can be developed in a home. Students will have the opportunity to work on many “hands-on” projects throughout the semester. *Meets Fine Art requirement		

# FAMILY AND CONSUMER SCIENCE

# FAMILY AND CONSUMER SCIENCE

Course	Credit	Grade
<b>Nutrition and Wellness</b>	<b>.5</b>	<b>10-12</b>
Explores the relationship of basic nutrition and wellness across the lifespan. It includes an in-depth look at dietary needs, technology and the global impact on nutrition and food choices; as well as the study of each nutrient. Making wise nutritional and wellness choices and substitutions to develop a healthy self is a major component of this course, as well as preparing healthy meals and snacks.		
<b>Human Growth and Development</b>	<b>.5</b>	<b>10-12</b>
Human Growth and Development provide students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children. *counts as a parenting/psychology graduation requirement		
<b>Family Studies</b>	<b>.5</b>	<b>10-12</b>
Offers tools utilized in everyday life to help build and maintain interpersonal relationships. Emphasizes topics such as strengthening relationships, independence and living on your own, money management, marriage preparation, parenthood and the function of the family unit. Also covers topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of both family member and wage earner.		
<b>Teaching as a Career</b>	<b>1</b>	<b>10-12</b>
*Human Growth and Development is a required pre-requisite Introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. Some topics covered include: classroom management, student behavior, leadership, and human relations skills, assessment of student progress, teaching strategies and various career opportunities in the field of education.		

# FOREIGN LANGUAGE

Course	Credit	Grade
All courses are online and are taken to fulfill State of Kansas Scholars Curriculum requirements.		
<b>Spanish I</b>	<b>1</b>	<b>9-12</b>
Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.		
<b>Spanish II</b>	<b>.5</b>	<b>10-12</b>
Spanish II courses build upon skills developed in Spanish I, extending students ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).		





Course	Credit	Grade
Courses are listed in the suggested course sequence		
<b>Fundamental Algebra</b>	<b>1</b>	<b>9</b>
This course engages students with real-world financial applications while maintaining deep mathematical rigor. Each of the course's 10 units blends one core personal finance topic with one relevant math concept (e.g. Investing and Exponential Functions). This course will also cover additional foundational Algebra I concepts.		
<b>Algebra I</b>	<b>1</b>	<b>9-10</b>
Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.		
<b>Geometry</b>	<b>1</b>	<b>9-11</b>
Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.		
<b>Algebra II</b>	<b>1</b>	<b>10-12</b>
Algebra II course topics typically include graphs, characteristics, and transformations of linear, quadratic, exponential, constant, square root, and cubic functions; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear, quadratic equations; solving a variety of algebraic equations; imaginary numbers; properties of higher degree equations; and operations with rational and irrational exponents.		
<b>Explorations in Data Science</b>	<b>1</b>	<b>11-12</b>
This curriculum will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data Commons and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more!		
<b>Technical Math I, II</b>	<b>1</b>	<b>12</b>
This class is designed to fulfill the technical math requirement for students wishing to attend a community/technical program that accepts this course. It is the student's responsibility to confirm the transferability of this course with their college of choice.		
<b>Transition to College Algebra</b>	<b>1</b>	<b>12</b>
This class is designed to prepare students for College Algebra.		
<b>Trigonometry/Pre-Calculus</b>	<b>1</b>	<b>11-12</b>
Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers. Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.		
<b>Calculus</b>	<b>1</b>	<b>12</b>
Calculus courses include the study of the Cartesian Plane, functions, limits, differentiation, integration, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).		



# MUSIC

Course	Credit	Grade
<b>Band</b>	<b>1</b>	<b>9-12</b>
Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. The students in band also perform at other functions such as parades, football games, basketball games and solo and small ensemble festivals.		
<b>Vocal Music</b>	<b>1</b>	<b>9-12</b>
Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.		

# PHYSICAL EDUCATION

Course	Credit	Grade
<b>Freshman Physical Education</b>	<b>1</b>	<b>9</b>
Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.		
<b>Weight Training/Strength and Conditioning</b>	<b>1</b>	<b>10-12</b>
Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.		

# SCIENCE

Course	Credit	Grade
<b>Biology I</b>	<b>1</b>	<b>9-10</b>
This course reviews standard topics of living sciences. Students will study evolution, cells, energy processes, food science, biomes, genetics, and ecology.		
<b>Physical Science</b>	<b>1</b>	<b>10-12</b>
This course reviews standards topics of physics and chemistry. Students will study motion, forces, energy, work & mechanics, electricity, magnetism, energy sources, waves, sound, light, mirrors & lenses, the periodic table, elemental properties, and chemical bonds. Students should have a thorough understanding of algebra before enrolling in this class.		
<b>Biology II</b>	<b>1</b>	<b>11-12 (10 with teacher permission)</b>
This course reviews upper level living science topics. Students will study bacteria, viruses, protists, fungi, plants, invertebrates, vertebrates, and human anatomy & physiology. Students will dissect various animals during this course. Students must also participate in the yearly cadaver lab at CCCC in order to pass this course. Students must have successfully completed the Biology I course to enroll. *Need Biology I		
<b>Chemistry</b>	<b>1</b>	<b>11-12 (10 with teacher permission)</b>
This course enables students to study atomic structure, interactions of different types of matter, stoichiometry, and heat in chemical reactions. It is recommended that students complete Algebra 2 and Biology 1 and 2 before they enroll.		

# SCIENCE

Course	Credit	Grade
<b>Health Science</b>	<b>1</b>	<b>11-12 (10 with teacher permission)</b>
Health Science courses provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.		
<b>Physics (online)</b>	<b>1</b>	<b>12</b>
This full-year course acquaints students with topics in classical and modern physics. The first semester offers an introduction to physics and discusses topics in Newtonian mechanics, gravity, work and energy, oscillatory motion, waves, and electricity and magnetism. The second semester discusses the topics of electric circuits, light, fluids, sound, heat, nuclear physics and modern physics. The course emphasizes conceptual understanding of basic physics principles, with some problem solving. There are interactive conceptual and problem-solving examples throughout the lessons, as well as interactive lab simulations lab options.		

# SOCIAL STUDIES

Course	Credit	Grade
<b>Social Studies</b>	<b>1</b>	<b>9-10</b>
Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines.		
<b>American History</b>	<b>1</b>	<b>11</b>
Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.		
<b>American Government/Economics</b>	<b>1</b>	<b>12</b>
U.S. Government - Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. This course is required for graduation. Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics.		
<b>College Psychology</b>	<b>1</b>	<b>10-12</b>
College Psychology is an introduction to the science of psychology with an emphasis on the principles which lead to a greater understanding of human behavior. A variety of laboratory experiences will be included in the course. It is a 3- credit hour course. *counts as a parenting/psychology graduation requirement		