

USD 252

Southern Lyon County Curriculum Guide 2020-21



Hartford High School
Olpe High School

USD 252 – Southern Lyon County - CURRICULUM GUIDE

Students and Parents,

The 21st Century has brought us some challenging times where the need for workers to do routine tasks has ended due to automation and the drive for efficiency. The 21st Century has also brought us to a point where the U.S. economy is struggling to keep employment opportunities available. In light of this, we would like for all students in USD 252 Southern Lyon County to graduate with more than just a diploma. Students will be creating their own individual plan of study including post-secondary plans. Take your time and make your course decisions based on your future employment goals. Sit down together and discuss future plans because the decisions you make today could greatly impact your choices for employment in the future. If you do not see college as a goal, make sure you take advantage of our technical training available through our Career Pathways or the Flint Hills Technical College.

USD 252 Faculty and Administration

USD 252 ENROLLMENT PROCESS

1. Students will fill out a preliminary enrollment form with the guidance of their advisory teacher.
2. The enrollment form will be sent home with the student for parent discussion and approval. (The enrollment is not complete until the approved form is returned to the high school office)
3. Upcoming sophomore, junior and senior parents will also have to approve a graduation pathway for their student. (Minimum Graduation Requirements, Qualified Admissions Curriculum, or the Kansas Scholar Curriculum)
4. Once the approved form is returned, the schedule will be built for each student.
5. If a course change is made that affects the student's graduation pathway, the parent must approve the course change.

GRADUATION PATHWAYS

As each student enters his/her sophomore, junior, and senior year the parent must choose a graduation pathway for their student so the school knows how to maintain the course schedule of the student. The three different graduation pathways are described below.

USD 252 MINIMUM GRADUATION REQUIREMENT

A student who chooses to take the minimum graduation requirement pathway must complete the 32-credit curriculum. This pathway would qualify the student to attend state community colleges and technical colleges. There are some four-year universities that would allow admission on these requirements. If you choose this pathway, we would encourage you to enroll in one of our career and technical education pathways.

QUALIFIED ADMISSIONS CURRICULUM

A student who chooses to take the qualified admissions curriculum pathway must complete the qualified admissions curriculum plus some additional criteria described in the boxes below. Completion of this pathway and the other qualified admissions criteria would qualify the student to enroll in one of the six Kansas Regents Schools: Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, University of Kansas* and Wichita State University.

QUALIFIED ADMISSIONS CRITERIA (2015 and beyond)

A student, under the age of 21, must meet the following criteria for admission into a Kansas Regents University:

1. Complete the precollege or Kansas Scholars Curriculum with at least a 2.0 GPA
AND
2. Achieve ONE of the following:
 - ACT score of 21 or higher; OR (*score of 22 for the University of Kansas)
 - SAT score of 980 or higher; OR
 - Graduate in the top one-third of their classAND
3. Achieve a 2.0 GPA or higher on any college credit taken in high school.

REGENTS SCHOLAR CURRICULUM

A student who completes the Kansas Regents Scholar Curriculum and criteria would qualify for admission to a Kansas Regents University. Completion of this pathway would also make the student eligible for state scholarships. The criteria for these scholarships are test scores, grades, and financial need.

**USD 252
MINIMUM GRADUATION REQUIREMENTS**

| SUBJECT AREA | USD 252 DIPLOMA 32 Total Credits (Qualifies student for admission to State Community Colleges and Technical Schools) | QUALIFIED ADMISSIONS CURRICULUM (Qualifying curriculum for admission to a Kansas Regent University) | KANSAS SCHOLAR CURRICULUM (Qualifying curriculum for admission to a Kansas Regent University, completers receive certificates from the State. Possible State scholar designation based on test scores, grades, & funding is based on need) |
|--|--|---|--|
| LANGUAGE ARTS | 4.5 CREDITS 1.0 English I 1.0 English II 1.0 English III 1.0 English elective 0.5 Speech | 4 CREDITS * Only those courses pre-approved by the Kansas Board of Regents * 1 credit must be completed during each year of high school. | 4 CREDITS * Only those courses pre-approved by the Kansas Board of Regents * 1 credit must be completed during each year of high school. |
| SCIENCE | 3 CREDITS 1.0 Earth Science 1.0 Biology 1.0 Other Science | 4 CREDITS 1.0 Earth Science 1.0 Biology 1.0 Chemistry or Physics | 3 CREDITS 1.0 Biology 1.0 Chemistry 1.0 Physics |
| MATHEMATICS | 3 CREDITS 1.0 Algebra I 3.0 additional math credits | 4 CREDITS 1.0 Algebra I 1.0 Geometry 1.0 Algebra II 1.0 Financial Algebra | 4 CREDITS 3.0 (Qualified admissions curriculum requirement) 1.0 Beyond Algebra II |
| SOCIAL SCIENCE | 3 CREDITS 1.0 World History 1.0 US History 1.0 US Government | 3 CREDITS 1.0 World History 1.0 US History 1.0 US Government | 3 CREDITS 1.0 World History 1.0 US History 1.0 US Government |
| FINE ARTS | 1 CREDIT | 1 CREDIT | 1 CREDIT |
| PHYSICAL EDUCATION | 2 CREDITS 0.5 Health 1.5 PE | 1 CREDIT 0.5 Health 0.5 PE | 1 CREDIT 0.5 Health 0.5 PE |
| FOREIGN LANGUAGE | 1 CREDIT | 1 CREDIT | 2 CREDITS (Same Language) |
| BUSINESS FINANCE | 4 CREDITS (Must include one business and one computer course) | 2 CREDITS | 2 CREDITS |
| BUSINESS ENTREPRENEURSHIP | | | |
| COMPREHENSIVE AGRICULTURE SCIENCE | | | |
| CONSTRUCTION & DESIGN | | | |
| EARLY CHILDHOOD DEVELOPMENT | | | |
| FAMILY AND COMMUNITY SERVICES | | | |
| WEB & DIGITAL COMMUNICATION | | | |

| | | | |
|------------------|----------------------------|--|--|
| ELECTIVES | <u>10.5 CREDITS</u> | | |
|------------------|----------------------------|--|--|

**NCAA ELIGIBILITY
MINIMUM GRADUATION REQUIREMENTS**

| SUBJECT AREA | DIVISION I | DIVISION II |
|---|---|---|
| LANGUAGE ARTS | <u>4 CREDITS</u> 1.0 English I 1.0 English II 1.0 English III 1.0 English IV or College Prep | <u>4 CREDITS</u> 1.0 English I 1.0 English II 1.0 English III 1.0 English IV or College Prep |
| SCIENCE | <u>3 CREDITS</u> 1.0 Earth Science 1.0 Biology 1.0 additional science credit | <u>3 CREDITS</u> 1.0 Earth Science 1.0 Biology 1.0 additional science credit |
| MATHEMATICS | <u>3 CREDITS</u> 1.0 Algebra I 2.0 math credits above Alg. I | <u>3 CREDITS</u> 1.0 Algebra I 2.0 math credits above Alg. I |
| SOCIAL SCIENCE | <u>3 CREDITS</u> 1.0 World History 1.0 US History 1.0 US Government | <u>3 CREDITS</u> 1.0 World History 1.0 US History 1.0 US Government |
| FINE ARTS | <u>1 CREDIT</u> | <u>1 CREDIT</u> |
| PHYSICAL EDUCATION | <u>1 CREDIT</u> 0.5 Health 0.5 PE | <u>1 CREDIT</u> 0.5 Health 0.5 PE |
| ELECTIVES | <u>11 CREDITS</u> | <u>11 CREDITS</u> |
| ADDITIONAL REQUIREMENTS | 3.0 credits of your elective credits must be from English, Math, Science, Social Science, or Foreign Language. | 1.0 credit of your elective credits must be from English, Math, Science, Social Science or Foreign Language. |
| GPA | Student must have matching Core GPA and SAT or ACT Test scores from the NCAA Sliding Scale. | Student must have a minimum Core GPA of 2.0 |
| TEST SCORES | Student must have matching Core GPA and SAT or ACT Test scores from the NCAA Sliding Scale. | Student must have minimum SAT score of 820 or an ACT sum score of 68. |
| For more information on NCAA eligibility please go to http://eligibilitycenter.org | | |



**Eligibility
Center**

NCAA DIVISION I SLIDING SCALE

New Core GPA / Test Score Index

| Core GPA | SAT Verbal and Math Only | ACT Sum Score |
|-----------------|------------------------------------|-------------------------|
| 3.550 & above | 400 | 37 |
| 3.525 | 410 | 38 |
| 3.500 | 420 | 39 |
| 3.475 | 430 | 40 |
| 3.450 | 440 | 41 |
| 3.425 | 450 | 41 |
| 3.400 | 460 | 42 |
| 3.375 | 470 | 42 |
| 3.350 | 480 | 43 |
| 3.325 | 490 | 44 |
| 3.000 | 500 | 44 |
| 3.275 | 510 | 45 |
| 3.250 | 520 | 46 |
| 3.225 | 530 | 46 |
| 3.200 | 540 | 47 |
| 3.175 | 550 | 47 |
| 3.150 | 560 | 48 |
| 3.125 | 570 | 49 |
| 3.100 | 580 | 49 |
| 3.075 | 590 | 50 |
| 3.050 | 600 | 50 |
| 3.025 | 610 | 51 |
| 3.000 | 620 | 52 |
| 2.975 | 630 | 52 |
| 2.950 | 640 | 53 |
| 2.925 | 650 | 53 |
| 2.900 | 660 | 54 |
| 2.875 | 670 | 55 |
| 2.850 | 680 | 56 |
| 2.825 | 690 | 56 |
| 2.800 | 700 | 57 |
| 2.775 | 710 | 58 |
| 2.750 | 720 | 59 |
| 2.725 | 730 | 59 |
| 2.700 | 730 | 60 |
| 2.675 | 740-750 | 61 |
| 2.650 | 760 | 62 |
| 2.625 | 770 | 63 |
| 2.600 | 780 | 64 |
| 2.575 | 790 | 65 |
| 2.550 | 800 | 66 |
| 2.525 | 810 | 67 |
| 2.500 | 820 | 68 |
| 2.475 | 830 | 69 |
| 2.450 | 840-850 | 70 |
| 2.425 | 860 | 70 |
| 2.400 | 860 | 71 |
| 2.375 | 870 | 72 |
| 2.350 | 880 | 73 |
| 2.325 | 890 | 74 |
| 2.300 | 900 | 75 |
| 2.275 | 910 | 76 |
| 2.250 | 920 | 77 |
| 2.250 | 930 | 78 |
| 2.200 | 940 | 79 |
| 2.175 | 950 | 80 |
| 2.150 | 960 | 80 |
| 2.125 | 960 | 81 |
| 2.100 | 970 | 82 |
| 2.075 | 980 | 83 |
| 2.050 | 990 | 84 |
| 2.025 | 1000 | 85 |
| 2.000 | 1010 | 86 |

COURSE DESCRIPTIONS

(QA) - This course is part of the Qualified Admission Curriculum for Kansas Board of Regents.

AGRICULTURE

| | | | | |
|-------|-------|-----------------------|-------------|------------|
| AG100 | 03999 | INTRODUCTION TO AG S1 | Grades 9-12 | 0.5 credit |
| AG101 | 03999 | INTRODUCTION TO AG S2 | Grades 9-12 | 0.5 credit |

Usually taken after a comprehensive initial study of biology, Biology—Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.

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|-------|-------|-----------------|--------------|------------|
| AG200 | 18401 | AG MECHANICS S1 | Grades 11-12 | 0.5 credit |
| AG201 | 18401 | AG MECHANICS S2 | Grades 11-12 | 0.5 credit |

Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.

| | | | | |
|-------|-------------|----------------------------|----------|------------|
| SC700 | 18060/18055 | PLANT SCIENCE/SOIL SCIENCE | Grade 11 | 0.5 credit |
| SC701 | 18060/18055 | PLANT SCIENCE/SOIL SCIENCE | Grade 11 | 0.5 credit |

Plant Production/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. They may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

| | | | | |
|-------|-------------|-------------------------------------|----------|------------|
| SC702 | 18060/18055 | ADVANCED PLANT SCIENCE/SOIL SCIENCE | Grade 11 | 0.5 credit |
| SC703 | 18060/18055 | ADVANCED PLANT SCIENCE/SOIL SCIENCE | Grade 11 | 0.5 credit |

Pre-Requisite – Plant Science. Advanced Plant Production/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. They may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

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|-------|-------|----------------|----------|------------|
| SC800 | 18101 | ANIMAL SCIENCE | Grade 11 | 0.5 credit |
| SC801 | 18101 | ANIMAL SCIENCE | Grade 11 | 0.5 credit |

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

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|-------|-------|-------------------------|----------|------------|
| SC802 | 18101 | ADVANCED ANIMAL SCIENCE | Grade 11 | 0.5 credit |
| SC803 | 18101 | ADVANCED ANIMAL SCIENCE | Grade 11 | 0.5 credit |

Prerequisite – Animal Science. Advanced Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

ARCHITECTURE & CONSTRUCTION

| | | | | |
|-------|-------|--------------------------|-------------|------------|
| AC250 | 17002 | RESIDENTIAL CARPENTRY S1 | Grades 9-12 | 0.5 credit |
| AC251 | 17002 | RESIDENTIAL CARPENTRY S2 | Grades 9-12 | 0.5 credit |

Construction—Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

BUSINESS

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|-------|------------|---------------------|-------------|------------|
| BU100 | 12050 (QA) | BUSINESS ESSENTIALS | Grades 9-12 | 0.5 credit |
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This is a core course designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities. Prerequisite: none

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|-------|------------|--------------------|------------|------------|
| BU101 | 12105 (QA) | BUSINESS ECONOMICS | Grade 9-12 | 0.5 credit |
|-------|------------|--------------------|------------|------------|

This course will offer a comparison of different economic systems, with a primary focus on capitalism. Elements of both micro and macroeconomics will be included. This Business Economics course will integrate principles such as free market economy, consumerism, and the role of American government within the economic system. Students enrolled in this course will also learn entrepreneurship and business concepts such as marketing principles, business law and risk.

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|-------|------------|-----------------|-------------|------------|
| BU150 | 12104 (QA) | ACCOUNTING I S1 | Grades 9-12 | 0.5 credit |
| BU151 | 12104 (QA) | ACCOUNTING I S2 | Grades 9-12 | 0.5 credit |

This first-year course will cover the principles and procedures necessary for entry-level employment in the accounting/bookkeeping field. The course includes the entire accounting cycle, as well as the basic principles, concepts, and procedures of accounting needed by every student for both business and personal applications. Computer accounting applications will be introduced. Prerequisite: None.

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|-------|------------|---------------------|--------------|------------|
| BU200 | 12052 (QA) | BUSINESS MANAGEMENT | Grades 10-12 | 0.5 credit |
|-------|------------|---------------------|--------------|------------|

Business Management will acquaint students with management opportunities and effective human relations. This course will provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. Also, provides a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. Prerequisite: Business Essentials.

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|-------|------------|------------------|--------------|------------|
| BU201 | 12053 (QA) | ENTREPRENEURSHIP | Grades 11-12 | 0.5 credit |
|-------|------------|------------------|--------------|------------|

This course introduces the concept of entrepreneurship (starting your own business). It explores the characteristics of successful entrepreneurs, and identifies the importance of small business in local, national and world economies. Students will be exposed to the basic concepts of owning and operating a small business. Community resources will be used in the form of guest speakers, printed materials, tax information, legal information, and more. Prerequisite: None.

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|-------|-------|------------------------|--------------|------------|
| BU250 | 12108 | ADVANCED ACCOUNTING S1 | Grades 10-12 | 0.5 credit |
| BU251 | 12108 | ADVANCED ACCOUNTING S2 | Grades 10-12 | 0.5 credit |

Advanced Accounting courses expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standards auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

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|-------|-------|---------------------------------|--------------|------------|
| BU300 | 32200 | APPLIED BUSINESS DEVELOPMENT S1 | Grades 11-12 | 0.5 credit |
| BU301 | 32200 | APPLIED BUSINESS DEVELOPMENT S2 | Grades 11-12 | 0.5 credit |

In this capstone course, students will practice skills of planning, organizing, directing and controlling functions of operating a business while assuming the responsibilities and risks involved. Students will develop skills in enterprise development, market analysis and financial preparation. This course includes classroom activities as well as involving further study of the field and discussion regarding real-world experiences and applications that students encounter in owning and managing a business. Prerequisite: Business Management.

COMPUTER SCIENCE

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|-------|------------|--------------------------|-------------|------------|
| IT100 | 10004 (QA) | COMPUTER APPLICATIONS S1 | Grades 9-12 | 0.5 credit |
| IT101 | 10004 (QA) | COMPUTER APPLICATIONS S2 | Grades 9-12 | 0.5 credit |

Students in this course will develop knowledge and skills in utilizing the computer to manipulate and process information. Students will learn word processing, spreadsheet application, presentation skills and Internet skills using the Microsoft Office Professional software package. The Microsoft Office suite includes Word, Excel, and PowerPoint, ACCESS, Publisher, and Outlook. Students will also be exposed to the social and ethical issues in computing and e-mail etiquette and procedures. Prerequisite: Keyboarding skills required.

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|-------|-------|---------------|--------------|------------|
| IT200 | 05162 | WEB DESIGN S1 | Grades 10-12 | 0.5 credit |
| IT201 | 05162 | WEB DESIGN S2 | Grades 10-12 | 0.5 credit |

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.

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|-------|-------|-------------------|--------------|------------|
| IT250 | 05162 | GRAPHIC DESIGN S1 | Grades 10-12 | 0.5 credit |
| IT251 | 05162 | GRAPHIC DESIGN S2 | Grades 10-12 | 0.5 credit |

Graphic Design Fundamentals provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment, and learning composition techniques to develop a quality product. Prerequisite: None.

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|-------|-------|--|--------------|------------|
| IT300 | 10249 | MEDIA TECHNOLOGY – VIDEO PRODUCTION S1 | Grades 10-12 | 0.5 credit |
| IT301 | 10249 | MEDIA TECHNOLOGY – VIDEO PRODUCTION S2 | Grades 10-12 | 0.5 credit |

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital imaging and video today and in the future, a study of the relationship of workflow to project planning and completion and the software, equipment and tools used in the industry. Prerequisite: None.

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|-------|-------|----------------------------|-------------|------------|
| IT400 | 10249 | DIGITAL PHOTOGRAPHY/ART II | Grades 9-12 | 0.5 credit |
|-------|-------|----------------------------|-------------|------------|

Digital photography teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital imaging and video today and in the future, a study of the relationship of workflow to project planning and completion and the software, equipment and tools used in the industry. Prerequisite: None.

EARLY CHILDHOOD

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|-------|-------|-----------------------------------|--------------|------------|
| EC100 | 19052 | FOUNDATIONS OF EARLY CHILDHOOD S1 | Grades 11-12 | 0.5 credit |
| EC101 | 19052 | FOUNDATIONS OF EARLY CHILDHOOD S2 | Grades 11-12 | 0.5 credit |

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

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|-------|-------|--------------------------------|--------------|------------|
| EC400 | 19098 | EARLY CHILDHOOD APPLICATION S1 | Grades 11-12 | 0.5 credit |
| EC101 | 19098 | EARLY CHILDHOOD APPLICATION S2 | Grades 11-12 | 0.5 credit |

Child Care—Workplace Experience courses provide students with work experience in fields related to caring for others. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

ENGINEERING TECHNOLOGY

| | | | | |
|-------|-------|---------------------------|-------------|------------|
| ET100 | 19052 | INTRODUCTION TO ENERGY S1 | Grades 9-12 | 0.5 credit |
|-------|-------|---------------------------|-------------|------------|

An introductory level course designed to teach students about the occupations in the Energy field and the skills required for those occupations.

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|-------|-------|---------------------------------|-------------|------------|
| ET101 | 19052 | ENERGY INDUSTRY FUNDAMENTALS S2 | Grades 9-12 | 0.5 credit |
|-------|-------|---------------------------------|-------------|------------|

Energy Industry Fundamentals provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure. The course includes business models, regulations, types of energy and their conversion to useable energy such as electric power, emerging technologies, how generated power is transmitted and distributed to the point of use, and the connection to careers in the energy industry.

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|-------|-------|---------------------------------|-------------|------------|
| ET200 | 19052 | RESEARCH & DESIGN FOR ENERGY S1 | Grades 9-12 | 0.5 credit |
| ET201 | 19052 | RESEARCH & DESIGN FOR ENERGY S2 | Grades 9-12 | 0.5 credit |

An application level course which allows more in-depth student research projects and/or workplace/internship experience related to the field of Energy.

ENGLISH

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|-------|------------|--------------|---------|------------|
| EN100 | 01001 (QA) | ENGLISH 9 S1 | Grade 9 | 0.5 credit |
| EN101 | 01001 (QA) | ENGLISH 9 S2 | Grade 9 | 0.5 credit |

The English I course follows a multicultural survey of various genre of literature based on themes. Significant authors as well as representative types of literature will form the basis of the content of this course. The study of vocabulary, grammar, and composition, with an emphasis in writing workshops, will be incorporated into the study of literature. Students will also work with the six writing traits extensively and portfolios will be required of the students. This class will also include a library unit. Prerequisite: None.

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|-------|------------|---------------|----------|------------|
| EN200 | 01002 (QA) | ENGLISH 10 S1 | Grade 10 | 0.5 credit |
| EN201 | 01002 (QA) | ENGLISH 10 S2 | Grade 10 | 0.5 credit |

Students will read a variety of genres, including novels, short stories, persuasive essays, and informational articles to increase reading comprehension and critical thinking skills in preparation for the Kansas Reading

Assessment. An emphasis will be placed on building and using vocabulary in student writing. Four novel studies will be required over the course of the year. These novels include historical perspectives, as students focus on how history has influenced writers over time. Prerequisite: English I

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|-------|------------|---------------|----------|------------|
| EN300 | 01003 (QA) | ENGLISH 11 S1 | Grade 11 | 0.5 credit |
| EN301 | 01003 (QA) | ENGLISH 11 S2 | Grade 11 | 0.5 credit |

This is a survey of American literature course and focuses on developing reading and writing skills. There will be a wide variety of American genres read. A strong focus will be placed on reading strategies with a push to attain the best score possible on the Kansas State Assessments. Reading select pieces from the junior anthology as well as a novel to be read each semester will emphasize these strategies. Writing skills will have an emphasis on persuasive writing to prepare them for the Kansas State Assessments. Students will also work on producing computer-based work. Prerequisite: English II

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|-------|------------|---------------|----------|------------|
| EN400 | 01004 (QA) | ENGLISH 12 S1 | Grade 12 | 0.5 credit |
| EN401 | 01004 (QA) | ENGLISH 12 S2 | Grade 12 | 0.5 credit |

English IV is designed as a culmination of a student's high school English work. This course will allow students to develop and expand critical thinking skills needed in life. Seniors in this course will develop and refine job-related communication skills such as: reading, writing, listening and speaking. Reading and writing assignments will be career based. Prerequisite: English III

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|-------|-------|-----------|-------------|------------|
| EN156 | 01156 | SPEECH S1 | Grades 9-12 | 0.5 credit |
| EN156 | 01156 | SPEECH S2 | Grades 9-12 | 0.5 credit |

This is a semester course that explores the communication process. Students will learn to increase their effectiveness as communicators. Through individual and group activities, students construct and deliver a variety of speeches which reflect real-world speaking skills, such as informative, persuasion of an audience, entertainment and conflict resolution. Prerequisite: None.

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|-------|------------|-------------------------------|-------------|------------|
| SP200 | 01151 (QA) | PUBLIC SPEAKING – DUAL CREDIT | Grade 11-12 | 0.5 credit |
|-------|------------|-------------------------------|-------------|------------|

This semester long course will cover the basics of speech. Students will be required to give several speeches and do research for those speeches.

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|-----------|------------|----------------|----------|------------|
| FHTCEN400 | 01004 (QA) | ENGLISH COMP I | Grade 12 | 0.5 credit |
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This course has been designed to provide instruction and practice in the principles of written composition and critical thinking. Emphasis will be on improving the student's ability to organize and express thoughts in clear, effective writing. Students will have practice in the evaluation of their own essays, those of their peers, and the writings of professional authors. A variety of standard composition strategies will be covered.

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|-----------|------------|-----------------|----------|------------|
| FHTCEN401 | 01099 (QA) | ENGLISH COMP II | Grade 12 | 0.5 credit |
|-----------|------------|-----------------|----------|------------|

As a continuation of College English I, which emphasized the principles of written composition and critical thinking through the techniques of essay writing, College English II will use a literature based format of study to improve writing and critical analysis skills. Students will examine the principle forms of literature, the elements in literature and how they affect readers, and the contribution of writers, poets, and dramatists to the humanities. Prerequisite: College English I.

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|-------|-------|---------------------|------------|------------|
| EN600 | 01104 | CREATIVE WRITING S1 | Grade 9-12 | 0.5 credit |
| EN601 | 01104 | CREATIVE WRITING S2 | Grade 9-12 | 0.5 credit |

Students will work on and develop their writing skills through a wide variety of writing assignments. Students will **write on a daily basis**. Assignments will range from short poems to short stories, riddles to children's stories, and critiques to reflections. All work generated by the student must be original to the student. All of the work will be done on the computer. Students must have a sincere desire to develop their writing skills. They will be graded not only on their work, but also on using their writing time each day. Prerequisite: None

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|-------|-------|-----------------------|------------|------------|
| EN700 | 01105 | YEARBOOK/NEWSPAPER S1 | Grade 9-12 | 0.5 credit |
| EN701 | 01105 | YEARBOOK/NEWSPAPER S2 | Grade 9-12 | 0.5 credit |

Research and Technical Writing courses provide students 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.

FAMILY AND CONSUMER SCIENCES

For successful careers, stable families, meaningful relationships, and strong communities, individuals need to manage responsibilities, solve problems, make informed decisions, relate to others, and assume leadership roles (through FCCLA projects). These process skills are implemented in all FACS courses.

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|-------|------------|--------------------------------|--------------|------------|
| HS200 | 08067 (QA) | NUTRITION & WELLNESS/CULLINARY | Grades 10-12 | 0.5 credit |
| HS201 | 08067 (QA) | NUTRITION & WELLNESS/CULLINARY | Grades 10-12 | 0.5 credit |

Our personal decisions impact physical, emotional, and social health on a daily basis. The choices made today will affect life expectancy, reproductive health, and risk factors for disease. Topics covered in this class include how to promote wellness and good health, making food choices, nutritional values of different foods, weight control, eating disorders, food safety and sanitation, food selection, buying and storage, and preparation of basic foods.

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|-------|------------|---------------|--------------|------------|
| HS202 | 22208 (QA) | FAMILY LIVING | Grades 10-12 | 0.5 credit |
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This course is a family living course that emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. This course will emphasize (but is not limited to) topics such as: social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and various stages of life.

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| HS203 | 45004 (QA) | HUMAN GROWTH & DEVELOPMENT | Grades 10-12 | 0.5 credit |
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This course is a child development/parenting course that will provide students with the knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age. In addition, this course will help students discover how parents should respond to the various stages of childhood. Topics in this class include: prenatal and birth processes, responsibilities and difficulties of parenthood, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young children.

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|-------|------------|-------------------------------------|--------------|------------|
| HS300 | 22250 (QA) | CAREER AND COMMUNITY CONNECTIONS S1 | Grades 11-12 | 0.5 credit |
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HS301 22250 (QA) CAREER AND COMMUNITY CONNECTIONS S2 Grades 11-12 0.5 credit

Students will address the multiple roles that enable individuals to connect family, career and community responsibilities. The project-based course addresses the following topics: interrelationship of individual, family, career and community roles and responsibilities; the changing workplace; career decision making and planning; job procurement procedures; interpersonal relationships; team work; thinking skills; workplace ethics and attitude; technology; time and information management; workplace health, safety, and legal matters. This course introduces students to the world of work, how it operates, and how they fit into that world.

FINE ARTS

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|-------|-------|--------------------|-------------|------------|
| FA050 | 05118 | MUSIC APPRECIATION | Grades 9-12 | 0.5 credit |
| FA051 | 05118 | MUSIC APPRECIATION | Grades 9-12 | 0.5 credit |

Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.

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|-------|------------|-------|-------------|------------|
| FA100 | 05110 (QA) | CHOIR | Grades 9-12 | 0.5 credit |
| FA101 | 05110 (QA) | CHOIR | Grades 9-12 | 0.5 credit |

Concert Choir is a mixed chorus that is open to any student who has the desire to sing and be educated in music history, theory, and vocal technique. Music for the group will be selected from all periods of time to include "classical" literature to current "pop" literature. Major emphasis will be placed on performance for concerts. Concert attire will consist of a white shirt, black pants, and black shoes. Prerequisite: Ability to match pitch.

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|-------|------------|--------------------|-------------|------------|
| FA150 | 05110 (QA) | CHORAL ENSEMBLE S1 | Grades 9-12 | 0.5 credit |
| FA151 | 05110 (QA) | CHORAL ENSEMBLE S2 | Grades 9-12 | 0.5 credit |

Audition Required. Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.

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|-------|------------|---------|-------------|------------|
| FA200 | 05101 (QA) | BAND S1 | Grades 9-12 | 0.5 credit |
| FA201 | 05101 (QA) | BAND S2 | Grades 9-12 | 0.5 credit |

A large ensemble that deals with all areas of performance at the high school level. Concert band, and pep band are the two performance activities throughout the year. Prerequisite: None.

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|-------|------------|--------------|-------------|------------|
| FA300 | 01154 (QA) | FORENSICS S1 | Grades 9-12 | 0.5 credit |
| FA301 | 01154 (QA) | FORENSICS S2 | Grades 9-12 | 0.5 credit |

This is a course designed for students who are interested in competitive speaking events. Students will learn, practice and perform all competitive events. These events include: Humorous Solo Acting, Serious Solo Acting, Duet Acting, Improvised Duet Acting, Interpretation of Prose and Poetry, Informative Speaking, Original Oration, and Extemporaneous Speaking. Prerequisite: None.

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|-------|-------|------------------------|-------------|------------|
| FA350 | 05056 | DRAMA & STAGE CRAFT S1 | Grades 9-12 | 0.5 credit |
| FA351 | 05056 | DRAMA & STAGE CRAFT S2 | Grades 9-12 | 0.5 credit |

Drama—Stagecraft courses are intended to help students develop experience and skill in one or more aspects of theatrical production, but concentrate on stagecraft (such as lighting, costuming, set construction, makeup, stage management, and so on). Initial courses are usually introductory in nature, while more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

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|-------|-------|----------------------------|-------------|------------|
| FA400 | 05151 | ART HISTORY/EXPLORATION S1 | Grades 9-12 | 0.5 credit |
| FA401 | 05151 | ART HISTORY/EXPLORATION S2 | Grades 9-12 | 0.5 credit |

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes. In addition this course will provide students with the knowledge and opportunity to explore art forms and to create individual works of art.

FOREIGN LANGUAGE

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|-------|-------|--------------------|------------|------------|
| FL050 | 06100 | APPLIED SPANISH S1 | Grade 9-12 | 0.5 credit |
| FL051 | 06100 | APPLIED SPANISH S2 | Grade 9-12 | 0.5 credit |

Applied Spanish courses provide students with an introduction to the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

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|-------|------------|-----------|-------------|------------|
| FL100 | 06101 (QA) | SPANISH I | Grades 9-12 | 0.5 credit |
| FL101 | 06101 (QA) | SPANISH I | Grades 9-12 | 0.5 credit |

This full year course is for the student who will enjoy the challenge of discovering the Spanish language as well as the exciting and fascinating Spanish-speaking world. The learning experience is enhanced through a variety of instructional methods including textbooks, audio CDs, and videotapes. Students will learn to communicate with people of the Spanish-speaking world through instruction and practice in the four basic skills of speaking, listening, reading and writing. The course also emphasizes cultural awareness by introducing students to the customs, festivals and practices of the Spanish culture. Prerequisite: None.

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| FL200 | 06102 (QA) | SPANISH II | Grades 10-12 | 0.5 credit |
| FL201 | 06102 (QA) | SPANISH II | Grades 10-12 | 0.5 credit |

This full-year course will build on the knowledge and skills obtained in Spanish I. Prerequisite: Spanish I.

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|-------|------------|-------------|--------------|------------|
| FL300 | 06103 (QA) | SPANISH III | Grades 11-12 | 0.5 credit |
| FL301 | 06103 (QA) | SPANISH III | Grades 11-12 | 0.5 credit |

The third-year course is designed for students who are desirous of communicating effectively in the Spanish-speaking world. The class will require much in the way of writing, listening and especially speaking. Cultural themes will focus on art, literature, television, and history. Prerequisite: Spanish II.

HEALTH & PHYSICAL EDUCATION

Students may not enroll in more than one P.E. class per semester. Students may enroll in a maximum of one P.E. credit per year.

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|--------|------------|--------------------|-------------|------------|
| HPE100 | 08001 (QA) | PHYSICAL EDUCATION | Grades 9-12 | 0.5 credit |
| HPE101 | 08001 (QA) | PHYSICAL EDUCATION | Grades 9-12 | 0.5 credit |

This class will include a variety of activities. A large part of the class will involve an individualized weight lifting program. It will be supplemented with speed development, explosive power, and agility workouts. Testing will take place after each section. Prerequisite: None

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|--------|------------|--------------------|------------|------------|
| HPE150 | 08052 (QA) | DRIVER'S EDUCATION | Grade 9-12 | 0.5 credit |
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Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

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| HPE150 | 08051 (QA) | HEALTH | Grade 9-10 | 0.5 credit |
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The health course will include units on nutrition, weight management and eating behaviors, alcohol, tobacco, illegal drugs, preventing infectious diseases, lifestyle diseases, other diseases and disabilities, reproduction, relationships, risk of adolescent sexual activity, HIV and AIDS. Prerequisite: None.

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|--------|-------|-----------------|------------|------------|
| HPE200 | 08005 | AEROBIC FITNESS | Grade 9-12 | 0.5 credit |
| HPE201 | 08005 | AEROBIC FITNESS | Grade 9-12 | 0.5 credit |

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

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| HPE300 | 08009 | WEIGHT TRAINING | Grade 9-12 | 0.5 credit |
| HPE301 | 08009 | WEIGHT TRAINING | Grade 9-12 | 0.5 credit |

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.

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|--------|-------|-----------------|------------|------------|
| HPE350 | 08016 | LIFETIME SPORTS | Grade 9-12 | 0.5 credit |
| HPE351 | 08016 | LIFETIME SPORTS | Grade 9-12 | 0.5 credit |

These courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan.

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|--------|-------|-------------------|------------|------------|
| HPE400 | 08017 | SPORTS PHYSIOLOGY | Grade 9-12 | 0.5 credit |
| HPE400 | 08017 | SPORTS PHYSIOLOGY | Grade 9-12 | 0.5 credit |

Courses in Sports Physiology examine human anatomy and physiology as they pertain to human movement and physical performance in sports activities. These courses may also emphasize the prevention and treatment of athletic injuries.

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|--------|-------|-------------|------------|------------|
| HPE450 | 09016 | TEAM SPORTS | Grade 9-12 | 0.5 credit |
| HPE450 | 09016 | TEAM SPORTS | Grade 9-12 | 0.5 credit |

Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).

MATHEMATICS

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|-------|-------|-----------------------|-------------|------------|
| MA050 | 02002 | DIRECTED MATH STUDIES | Grades 9-12 | 0.5 credit |
| MA051 | 02002 | DIRECTED MATH STUDIES | Grades 9-12 | 0.5 credit |

A math support class as they move through required math courses. This course reinforce and expand students' foundational math skills. (ELECTIVE CREDIT)

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|-------|------------|--------------|-------------|------------|
| MA100 | 02052 (QA) | ALGEBRA I S1 | Grades 9-12 | 0.5 credit |
| MA101 | 02052 (QA) | ALGEBRA I S2 | Grades 9-12 | 0.5 credit |

Algebra I is the foundation of higher mathematics. The concepts developed in this yearlong course are needed for any future work in mathematics. Students work with solving equations, polynomials, functions, probability, exponents and systems of equations. Students will need a scientific calculator with 2 line display (available in stores for \$20 or less). Successful completion of Algebra I is required for graduation. Prerequisite: None.

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|-------|------------|---------------|--------------|------------|
| MA200 | 02056 (QA) | ALGEBRA II S1 | Grades 10-12 | 0.5 credit |
| MA201 | 02056 (QA) | ALGEBRA II S2 | Grades 10-12 | 0.5 credit |

Algebra II S1 & S2 are yearlong courses that include a more in-depth study of the same topics covered in Algebra I. Also included are series and sequences, variations, linear relations, systems, conic sections, quadratic functions and relations, logarithms, trigonometry, and statistics. Students will need a scientific calculator (available in stores for \$20 or less). This course is highly recommended for anyone considering a college education. Prerequisite: Algebra I.

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|-------|-------------|-------------|-------------|------------|
| MA300 | 020072 (QA) | GEOMETRY S1 | Grades 9-12 | 0.5 credit |
| MA300 | 020072 (QA) | GEOMETRY S2 | Grades 9-12 | 0.5 credit |

Geometry S1 & S2 is a full year study of circles, polygons and other geometric figures. All properties of these two and three-dimensional figures are studied. Other topics covered are transformations, logical reasoning and proof, parallel lines, congruency and similarity of polygons, areas and volumes, construction, and the coordinate plane. Algebra II is required because some geometry problems require the ability to solve simple equations and graph on the coordinate plane. Prerequisite: Algebra II.

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|-------|------------|---------------|--------------|------------|
| MA400 | 02105 (QA) | ADVANCED MATH | Grades 11-12 | 0.5 credit |
| MA401 | 02105 (QA) | ADVANCED MATH | Grades 11-12 | 0.5 credit |

This year long course will expand advanced algebra skills with a focus on functions and their graphs. A semester study of trigonometry is incorporated. This course ends with an introduction to limits.
Prerequisite: Algebra II

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| MA900 | 02121 (QA) | CALCULUS | Grade 12 | 0.5 credit |
| MA901 | 02121 (QA) | CALCULUS | Grade 12 | 0.5 credit |

This course presents a full year of Calculus. It is strongly recommended for anyone who will take calculus in college. Included is a study of functions, curve sketching, limits and continuity, exponential and logarithmic functions and the basics of both differential and integral calculus. Applications to science and business are through optimization problems. Prerequisite: Trigonometry/Precalculus

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|-------|------------|-----------------|----------|------------|
| MA450 | 02052 (QA) | COLLEGE ALGEBRA | Grade 12 | 0.5 credit |
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This course is intended as a comprehensive, thorough study of the fundamental laws of algebra, exponents, linear and quadratic equations, inequalities, system of equations, radicals and radical equations, graphing, polynomials and polynomial equations, logarithms, complex numbers, augmented matrices (Gauss-Jordan Elimination), determinants, and Cramer's Rule, and many other topics as time permits.

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|-------|-------|---------------------|----------|------------|
| MA449 | 02069 | PRE-COLLEGE ALGEBRA | Grade 12 | 0.5 credit |
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Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

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|-------|-------|-------------------|----------|------------|
| MA600 | 02157 | FINANCIAL ALGEBRA | Grade 12 | 0.5 credit |
| MA601 | 02157 | FINANCIAL ALGEBRA | Grade 12 | 0.5 credit |

Financial Algebra courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

SCIENCE

| | | | | |
|-------|------------|---------------|----------|------------|
| SC100 | 03001 (QA) | EARTH SCIENCE | Grades 9 | 0.5 credit |
| SC101 | 03001 (QA) | EARTH SCIENCE | Grades 9 | 0.5 credit |

This is a basic, introductory course designed to emphasize simple concepts of physics, preparing students for the state assessments, as well as high school physics. Concepts to be learned include properties of matter, movement, heat, sound, light, electricity, and magnetism. Laboratory guidance will be included with this course. Prerequisite: None.

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|-------|------------|------------|--------------|------------|
| SC200 | 03051 (QA) | BIOLOGY S1 | Grades 10-12 | 0.5 credit |
| SC201 | 03051 (QA) | BIOLOGY S2 | Grades 10-12 | 0.5 credit |

This is an investigative approach to science for the sophomore biology student. Laboratory activities, group investigations and hands-on explorations will be used to help students see themselves in relation to their

environment, and all organisms in our Biosphere. Topics include the requirements of life, structure and function of organisms, the interactions with organisms and their environment, and how organisms change over time. Prerequisite: None.

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|-------|-------|--------------------------|--------------|------------|
| SC250 | 03003 | ENVIRONMENTAL SCIENCE S1 | Grades 10-12 | 0.5 credit |
| SC251 | 03003 | ENVIRONMENTAL SCIENCE S1 | Grades 10-12 | 0.5 credit |

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

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|-------|------------|--------------|--------------|------------|
| SC300 | 03101 (QA) | CHEMISTRY S1 | Grades 11-12 | 0.5 credit |
| SC301 | 03101 (QA) | CHEMISTRY S2 | Grades 11-12 | 0.5 credit |

This course is designed for college-bound students as a preparatory course for general college chemistry. The course will cover major topics of atomic theory and structure, kinetic theory, the Periodic Table, energy changes, equilibrium, solubility, acids and bases, oxidation-reduction, electrochemical cells, electromagnetic radiation, and a brief discussion of the chemistry of carbon compounds. The course will include laboratory experiments. Prerequisite: Biology.

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|-------|-------|-----------------------|--------------|------------|
| SC350 | 03102 | ADVANCED CHEMISTRY S1 | Grades 11-12 | 0.5 credit |
| SC351 | 03102 | ADVANCED CHEMISTRY S2 | Grades 11-12 | 0.5 credit |

Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

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|-------|------------|------------|--------------|------------|
| SC400 | 03151 (QA) | PHYSICS S1 | Grades 11-12 | 0.5 credit |
| SC401 | 03151 (QA) | PHYSICS S2 | Grades 11-12 | 0.5 credit |

This course is designed to emphasize the development of concepts in physics, which will be helpful in preparing for college. Topics of study will be mechanics, properties of matter, heat, sound and light, and electricity and magnetism. Laboratory will accompany each chapter. Prerequisite: Biology, Algebra II, enrolled in or completed Trigonometry.

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|-------|------------|------------|--------------|------------|
| SC450 | 03061 (QA) | ZOOLOGY S1 | Grades 10-12 | 0.5 credit |
| SC451 | 03061 (QA) | ZOOLOGY S2 | Grades 10-12 | 0.5 credit |

This course is designed to give students a basic study of animals including a survey of the animal kingdom with emphasis on structure and functions and the importance to man. Labs will accompany each chapter. Prerequisite: None.

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|-------|-------|-------------------------|--------------|------------|
| SC500 | 03053 | ANATOMY & PHYSIOLOGY S1 | Grades 11-12 | 0.5 credit |
| SC501 | 03053 | ANATOMY & PHYSIOLOGY S2 | Grades 11-12 | 0.5 credit |

This course is designed to give students an overview of the structure and function of the human body. Students will gain an in-depth understanding of the relationship between the structure and function of the

human body and the body systems they make up. Lab activities and cat dissections are included in this course. Prerequisite: Biology.

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|-------|-------|-----------------------|-------------|------------|
| SC550 | 37506 | WILDLIFE RESOURCES S1 | Grades 9-12 | 0.5 credit |
| SC551 | 37506 | WILDLIFE RESOURCES S2 | Grades 9-12 | 0.5 credit |

Wildlife resource courses combine the fields of ecology & conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics & uses, such as hunting or fishing preserves, forest production and management, wildlife ID, production and/or ecosystems management and preservation, and human outdoor recreation.

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|-------|-------|--------------------|----------|------------|
| SC600 | 03052 | COLLEGE BIOLOGY S1 | Grade 11 | 0.5 credit |
| SC601 | 03052 | COLLEGE BIOLOGY S2 | Grade 11 | 0.5 credit |

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

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|-------|-------|---------------------|-------------|------------|
| SC700 | 44224 | FORENSIC SCIENCE S1 | Grades 9-12 | 0.5 credit |
| SC701 | 44224 | FORENSIC SCIENCE S2 | Grades 9-12 | 0.5 credit |

An application level course that follows a background in biology and chemistry and provides students with a basic knowledge and skills needed to pursue postsecondary training in careers requiring Forensic Science (ie., Forensic Anthropology, Forensic Medicine, Medical Examiner).

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|-------|-------|---------|-------------|------------|
| SC800 | 21053 | STEM S1 | Grade 10-12 | 0.5 credit |
| SC801 | 21053 | STEM S2 | Grade 10-12 | 0.5 credit |

STEM courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies, CAD/CAM, communication modalities, and transportation technologies.

SOCIAL SCIENCE

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|-------|-------|-------------------|-------------|------------|
| SS050 | 04254 | CURRENT EVENTS S1 | Grades 9-12 | 0.5 credit |
| SS051 | 04254 | CURRENT EVENTS S2 | Grades 9-12 | 0.5 credit |

Current Event courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.

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|-------|------------|------------------|----------|------------|
| SS200 | 04051 (QA) | WORLD HISTORY S1 | Grade 10 | 0.5 credit |
| SS201 | 04051 (QA) | WORLD HISTORY S2 | Grade 10 | 0.5 credit |

This is a general survey course that begins by building a base knowledge of world geography. World History from the Renaissance Period through the Nineteenth Century will be covered.

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|-------|------------|---------------------|----------|------------|
| SS300 | 04101 (QA) | AMERICAN HISTORY S1 | Grade 11 | 0.5 credit |
| SS301 | 04101 (QA) | AMERICAN HISTORY S2 | Grade 11 | 0.5 credit |

The objective of this class is to give the student an appreciation of this country's background—politically, economically, and culturally from reconstruction to present day. The goal is to aid the student in reading comprehension, map and chart skills, visual skills and research technique. This course begins with an introduction that presents an overview of major events and developments in American History from earliest time through Civil War and reconstruction. The first half of the course deals with the transformation of the U.S. through World War I. The second half of the course guides students through the Depression years, World War II, post war to the present.

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|-------|-------|---------------|--------------|------------|
| SS350 | 04254 | PSYCHOLOGY S1 | Grades 11-12 | 0.5 credit |
| SS350 | 04254 | PSYCHOLOGY S2 | Grades 11-12 | 0.5 credit |

Psychology will introduce students to scientific and humanistic interpretations of the human mind and behavior. Topics to be covered are: history of psychology, sensation and perception on behavior, conditioning, memory, measurement of intelligence, development of humans from infancy to death, emotions, gender roles, stress, disorders in humans and social interaction.

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|-------|------------|--------------------|----------|------------|
| SS400 | 04151 (QA) | U.S. GOVERNMENT S1 | Grade 12 | 0.5 credit |
| SS400 | 04151 (QA) | U.S. GOVERNMENT S2 | Grade 12 | 0.5 credit |

This course is designed to give the student a basic understanding and appreciation of our governmental system. This course examines comparative government forms to ours and reviews basic principles that make up our democratic system. Special emphasis is given to the U.S. Constitution and the function and relationship of the federal branches.

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|-------|-------|----------------------------------|--------------|------------|
| SS700 | 22101 | LEADERSHIP & CIVIC ENGAGEMENT S1 | Grades 11-12 | 0.5 credit |
| SS701 | 22101 | LEADERSHIP & CIVIC ENGAGEMENT S2 | Grades 11-12 | 0.5 credit |

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

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|-------|-------|--------------|------------|------------|
| SS900 | 04258 | SOCIOLOGY S1 | Grade 9-12 | 0.5 credit |
| SS901 | 04258 | SOCIOLOGY S2 | Grade 9-12 | 0.5 credit |

This course is designed to give the student a basic understanding and appreciation of our governmental system. This course examines comparative government forms to ours and reviews basic principles that make up our democratic system. Special emphasis is given to the U.S. Constitution and the function and relationship of the federal branches.

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|-------|-------|-----------------------|--------------|------------|
| SS950 | 04302 | CULTURAL DIVERSITY S1 | Grades 11-12 | 0.5 credit |
| SS950 | 04302 | CULTURAL DIVERSITY S2 | Grades 11-12 | 0.5 credit |

Cultural Diversity courses provide an overview of the major expression of the cultural heritage of western and eastern civilizations. Content typically includes the examination of art, music, literature, architecture, technology, philosophy and religion of the cultures studied.

STUDENT AIDES

A student may be an aide for only one class period per semester.

TA200 22051 OFFICE AIDE Grades 11-12 0 credit

Students will assist with the general office duties such as answering the telephone, typing, using office machines, and other office duties. A student will not earn credit for this course.

In order to take this course a student must have:

- fewer than 8 non-school related absences and/or 3 tardies the preceding semester
- approval of the high school principal
- signed application form

TA300 22054 CAREER & COMMUNITY CONNECTIONS - AID Grades 11-12 0.5 credit

In order to take this course a student must have:

- fewer than 8 non-school related absences and/or 3 tardies the preceding semester
- the approval of the school principal
- signed application form

The aide will assist the teacher with the general non-instructional duties of the class. A student will not earn credit for this course.

TA400 22054 CAREER & COMMUNITY CONNECTIONS – MENTOR Grades 11-12 0.5 credit

In order to take this course a student must have:

- fewer than 8 non-school related absences and/or 3 tardies the preceding semester
- the approval of the school principal
- signed application form

The mentor will assist the teacher with the general instructional duties of the class.

OTHER

AM100 20104 AUTOMECHANICS COMPREHENSIVE S1 Grades 9-12 0.5 credit

AM101 20104 AUTOMECHANICS COMPREHENSIVE S1 Grades 9-12 0.5 credit

Automotive Mechanics—Comprehensive courses emphasize the diagnosis and repair of automobile engines and support systems such as brakes, cooling, drive trains, electrical/electronics components, emission, fuel, ignition, steering, suspension, and transmissions. Course topics often include the comprehension and use of repair manuals, safety, and employability skills (including shop management and entrepreneurship).

MS400 22151 COLLEGE & CAREERS S1 Grades 11-12 0.5 credit

MS401 22151 COLLEGE & CAREERS S2 Grades 11-12 0.5 credit

College & Career courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

PBLA100 PROJECT BASED LEARNING S1 Grades 10-12 0.5 credit

Project based learning courses allows students to develop their own learning by choosing a topic of their choice. A teacher will serve as a facilitator as the student has the opportunity to explore a topic that we cannot currently offer in our district.

TECHNICAL EDUCATION

| | | | |
|---------------|----------------------------------|--------------|-------------|
| FHTC100 13999 | FLINT HILLS TECHNICAL COLLEGE S1 | Grades 11-12 | 3.0 credits |
| FHTC101 13999 | FLINT HILLS TECHNICAL COLLEGE S1 | Grades 11-12 | 3.0 credits |

Any junior or senior who is in good academic standing may attend Flint Hills Technical College. The student must be enrolled at USD 252. The student will receive credit and grades from FHTC, which will be recorded as high school concurrent credit. All tuition is covered. Fees will apply.

Programs available to high school juniors and/or seniors:

- Automotive Technology
- Business Administrative Technology
- Computer Program Design and Development
- Certified Nurses Aide
- Graphic Arts Technology
- Health Occupations Technology
- Hospitality/Culinary Arts
- Industrial Engineering Technology
- Interactive Multimedia Design
- Computerized Machine Tool Engineering
- Network Technology
- Power Plant Technology
- Welding Technology

COLLEGE CREDITS/DUAL CREDIT

Juniors and seniors may choose to take college credits. Administrative approval is required.