

Smithville High School



2021-2022 Academic Planning Guide

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Introduction to Academic Planning

The purpose of this “Academic Planning Guide” is to help students and their parents make decisions related to the selection of courses that meet graduation requirements as well as support the attainment of specific diplomas and post-secondary goals.

The decisions you make in high school, including the selection of courses that support post-secondary goals, will have a great impact upon your chances for success throughout your life. In essence, you are laying the foundation for the accomplishments you experience in life. It is vitally important that you devote appropriate time and thought and seek the guidance of your parents as well as school personnel as you make these decisions. Regardless of which path you choose, the ultimate goal is the same: a successful and satisfying life and career.

Our Counselors will assist you with career exploration and educational planning by utilizing Missouri Connections. This is a program sponsored by the Missouri Department of Elementary and Secondary Education (DESE). Counselors will help students create a Personal Plan of Study, which will serve as the foundation for course selection during enrollment each school year. To learn more about Missouri Connections, visit www.missouriconnections.org.

If as you utilize this “Academic Planning Guide”, you find that you need additional information or assistance, the following district personnel can be contacted by calling the following phone numbers:

School Counselors

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Mrs. Tara Combes (G-N)

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Smithville R-II High School Educational Planning

When planning a high school sequence of study and selecting individual courses, it is recommended that students and their parents consider a variety of factors in making those choices, including:

- a) Smithville R-II School District graduation requirements
- b) Their chosen “career path” and related areas of interest
- c) Specific requirements of post-secondary educational institutions they may have interest in attending.

What follows is specific information regarding graduation requirements and course offerings that will assist students and their parents in making educational choices that will contribute to the student’s long-range career and educational success.

General Diploma Requirements

Smithville High School graduation requirements, as adopted by the Smithville R-II Board of Education on March 15, 1995, and updated on March 19, 2008, are as follows:

Units of Credit	Subjects
4	English Language Arts <i>English Language Arts I, English Language Arts II, English Language Arts III or AP English Language and Composition and one additional English Language Arts elective credit</i>
3	Mathematics <i>Algebra I, Geometry, Algebra II, Foundations of Algebra, Math for the Real World, AP Statistics, Math Analysis, College Algebra, College Prep Math, AP Calculus AB, or AP Calculus BC</i>
3	Science <i>Physical Science, Biology, and one additional Science elective credit</i>
3	Social Studies <i>American History; World History; Civics or AP US Government and Politics; and Global Studies or AP Comparative Government</i>
1	Fine Art
1	Practical Art
1	Physical Education
.5	Health
.5	Speech
.5	Personal Finance
8.5	General Electives

Total 26 units of credit and successful completion of the United States Constitution Test, Missouri Constitution Test and speech requirement.

The speech requirement can be fulfilled by completing ELA III, Beginning Forensics and Debate, Introduction to Business (2019-2020 and after), or Fundamentals of Speech.

A student must complete all requirements for graduation, which includes completing state End-of-Course Exams for Algebra I, English Language Arts II, Biology and Government to be eligible to participate in the Commencement program.

A combined total of no more than nine (9) units of credit in Art, Music, and Physical Education will apply to the total units of credit required for graduation.

Students will not be permitted to utilize Credit Recovery for purposes other than making up for classes that have been failed with 41%-59%. This program cannot be utilized to graduate early.

Scholastic Diploma Requirements

Smithville High School Scholastic Diploma requirements, as adopted by the Smithville R-II Board of Education on March 15, 1995, are as follows:

Units of Credit	Subject Area
4	English Language Arts <i>English Language Arts I, English Language Arts II, English Language Arts III or AP English Language and Composition, and one additional English Language Arts elective credit from the following: Contemporary World Literature, Contemporary Women’s Literature, AP Literature and Composition, or Literature of Social Change</i>
4	Mathematics <i>Algebra I, Geometry, Algebra II, AP Statistics, Math Analysis, College Algebra, Honors Algebra II, College Prep Math, AP Calculus AB, AP Calculus BC</i>
4	Science <i>Physical Science, Biology, Chemistry OR Physics, and one additional Science elective credit (excluding Earth & Space Science, Oceanography, Forensic Science)</i>
4	Social Studies <i>American History; World History; Civics or AP US Government and Politics; and Global Studies or AP Comparative Government; and one additional Social Studies elective credit</i>
1	Fine Art
2	World Language
1	Practical Art
1	Physical Education
.5	Health
.5	Speech
.5	Personal Finance
5.5	General Electives

28 units of total credit and successful completion of the United States Constitution Test, the Missouri Constitution Test and speech requirement.

The speech requirement can be fulfilled through ELA III, Beginning Forensics and Debate, Introduction to Business (2019-2020 and after), or Fundamentals of Speech class.

A combined total of no more than nine (9) units of credit in Art, Music, and Physical Education may apply to the total units of credit required for graduation. Eight semesters of attendance, after grade eight, are required.

A student must complete all requirements for graduation, which includes completing state End-of-Course Exams for Algebra I, English Language Arts II, Biology and Government to be eligible to participate in the Commencement program.

At least a "B" average (3.0/4.0 G.P.A.) is required.

Students will not be permitted to utilize Credit Recovery for purposes other than making up for classes that have been failed with 41%-59%. This program cannot be utilized to graduate early.

Special Education Graduation Requirements

The Smithville R-II Board of Education, when appropriate, may waive specific course requirements for those students who are being actively served under an Individual Education Plan, in accordance with Public Law 94-142. A multi-disciplinary team comprised of the special education teacher, classroom teachers, counselor, parents/guardians, student, and/or the principal shall determine the curriculum for students receiving such services. Eight semesters of attendance and satisfactory progress in a specified curriculum shall be the requirement for graduation.

Weighted Grades

The following courses qualify for *Weighted Grade Designation*:

English Language Arts	Course Number
AP English Language and Composition	H105A & H105B
AP English Literature and Composition	H104A & H104B
Mathematics	Course Number
AP Calculus AB	H209A & H209B
AP Calculus BC	H210A & H210B
AP Statistics	H215A & H215B
Practical Arts	Course Number
CAPS: Business Accelerator	H1657 & H1657B
CAPS: Digital Media and Design	H1659 & H1660B
CAPS: Engineering and Advanced Manufacturing	H1656 & H1656B
CAPS: Global Business and Logistics	H1658 & H1658B
CAPS: Medicine and Healthcare	H1654 & 1654B
CAPS: Technology Solutions	H1655 & H1655B
CASE Animal Science	H1003A & H1003B
Civil Engineering and Architecture	H907A & H907B
Introduction to Engineering Design	H900A & H900B
Principles of Engineering	H901A & H901B
Sciences	Course Number
AP Physics I: Algebra Based	H312A & H312B
AP Physics C: Mechanics	H331A & H331B
College Biology	H3010A & H3010B
College Chemistry	H311A & H311B
College Physical Geography	H334A & H334B
Human Body Systems	H338A & H338B
Principles of Biomedical Science	H335A & H335B
Social Studies	Course Number
AP Comparative Government and Politics	H402
AP Psychology	H420A & H420B
AP United States Government and Politics	H401
AP United States History	H406A & H406B
College World History	H425A & H425B
World Languages	Course Number
AP Spanish Language and Culture	H513A & H513B
French III	H502A & H502B
French IV	H503A & H503B

Spanish III	H506A & H506B
Spanish IV	H507A & H507B

Weighted courses are also highlighted in the Academic Planning Guide with ~~ after the course name.

Advanced Placement and Dual Credit

AP Exams required for courses with "AP" in the SHS course title

English Language Arts	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
AP English Language & Composition - H105A & H105B 11th Grade	ENG 110, College Writing & Rhetoric, MO State Univ. (Sem. 1) – 3 credits ENG 210, College Writing & Research, MO State Univ. (Sem. 2) – 3 credits
AP English Literature & Composition - H104A & H104B 12th Grade	Not offered for dual credit; students must earn a 3 or higher on the AP exam to receive college credit

General Electives	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
Cadet Teaching – H1500A & H1500B 12th Grade	62-111 Ecology of Teaching, 62-112 Dev Found of Ed, 62-113 PLC, NWMSU – 3 credits

Mathematics	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
AP Calculus AB - H209A & H209B 11th – 12th Grade	MATH 198, Analytic Geometry & Calculus I, Truman State University – 5 credits
AP Calculus BC - H210A & H210B 11th – 12th Grade	MATH 263, Analytic Geometry & Calculus II, Truman State University – 5 credits
AP Statistics - H215A & H215B 11 th – 12 th Grade	STAT 235, Elementary Statistics, UMKC – 3 credits
College Algebra – H205A & H205B 11th – 12th Grade	MATH 156, College Algebra, Truman State University – 3 credits
Math Analysis – H208A & H208B 11th – 12th Grade	MATH 186, Pre-Calculus, Truman State University – 3 credits

Practical Arts	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
CASE Animal Science – H1003A & H1003B 11th-12th Grade	AGS101 Animal Science, Missouri State University – 4 credits
Civil Engineering and Architecture – H907A & H907B 10th –12th Grade	A score of 6 or higher on EOC exam qualifies students to earn college credit through the University of Iowa – 3 credits
Equine Science – H1006A & H1006B 11th – 12th Grade	AGS161 Introduction to Horses, Missouri State University – 3 credits
Fashion & Textiles II – H1207A & H1207B 11th – 12th Grade	FAME 1450, Foundations of Apparel Design & Construction, UCM – 3 credits
Introduction to Engineering Design – H900A & H900B 9th – 12th Grade	A score of 6 or higher on EOC exam qualifies students to earn college credit through the University of Iowa – 3 credits
Principles of Engineering – H901A & H901B 10th – 12th Grade	A score of 6 or higher on EOC exam qualifies students to earn college credit through the University of Iowa – 3 credits
Veterinary Science – H1009A & H1009B 11th – 12th Grade	AGR 108 Topics in Agriculture, Missouri State University (Sem 1) – 1 credit AGR 108 Topics in Agriculture, Missouri State University (Sem 2) – 1 credit

Sciences	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
AP Physics I: Algebra Based - H312A & H312B 11th-12th Grade	Not offered for dual credit (Students must earn a 3 or higher on the AP exam to receive college credit)
AP Physics C: Mechanics - H331A & H331B 12th Grade	Not offered for dual credit; students must earn a 3 or higher on the AP exam to receive college credit
College Biology – H3010A & H3010B 12th Grade	BIOL 101, Principles of Biology, Missouri Western State University – 4 credits
College Chemistry – H311A & H311B 12th Grade	CHEM 111, General Chemistry I, Missouri Western State University – 5 credits
College Physical Geography – H334A & H334B 11th – 12th Grade	GRY 142 Introduction to Physical Geography, Missouri State University – 5 credits

Social Studies	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
AP Comparative Gov. & Politics - H402 11th – 12th Grade	Not offered for dual credit; students must earn a 3 or higher on the AP exam to receive college credit
AP Psychology - H420A & H420B 11th – 12th Grade	Not offered for dual credit; students must earn a 3 or higher on the AP exam to receive college credit
AP United States Gov. & Politics - H401 11th – 12th Grade	Not offered for dual credit; students must earn a 3 or higher on the AP exam to receive college credit
AP United States History - H406A & H406B 11th – 12th Grade	HIST 101, American History to 1877, Missouri State University (Sem. 1) – 3 credits HIST 102, American History 1877 to Present, Missouri State University (Sem. 2) – 3 credits
College World History – H425A & H425B 10th - 12th Grade	HIST 206, World History to 1600, Missouri State University (Sem. 1) – 3 credits HIST 207, World History from 1600 to the Present, Missouri State University, (Sem. 2) – 3 credits

World Languages	
<u>SHS Course</u>	<u>AP / Dual Credit Course</u>
AP Spanish Language & Culture - H513A & H513B 12th Grade	SPA 280, Special Intermediate Spanish Topics I, UMKC – 3 credits
French III – H502A & H502B 11th – 12th Grade	FRN 101, Elementary French I, Missouri State University (Sem. 1) – 3 credits FRN 102, Elementary French II, Missouri State University (Sem. 2) – 3 credits
French IV – H503A & H503B 12th Grade	FRN 201, Intermediate French I, Missouri State University (Sem. 1) – 3 credits FRN 202, Intermediate French II, Missouri State University (Sem. 2) – 3 credits
Spanish III – H506A & H506B 10th – 12th Grade	SPN 101 Elementary Spanish I, Missouri State University (Sem. 1) – 3 credits SPN 102 Elementary Spanish II, Missouri State University (Sem. 2) – 3 credits
Spanish IV – H507A & H507B 11th – 12th Grade	SPN 201 Intermediate Spanish I, Missouri State University (Sem. 1) – 3 credits SPN 202 Intermediate Spanish II, Missouri State University (Sem. 2) – 3 credits

Requirements Matrix

	Smithville Diploma	Smithville Scholastic Diploma	University of Missouri System	Missouri Coordinating Board for Higher Education	Missouri Community / Technical College Military
English Language Arts	4	4	4 One may be Speech/Debate and two may emphasize composition & writing	4	4
Math	3	4	4 (excluding Consumer Math)	3 (excluding Consumer Math)	3
Science	3	4	3 3 from Physical Science, Chemistry, Physics, Earth Science, Ag Science I, Ag Science II, Animal Science, Conservation of Natural Resources	3 1 must be a Lab Course	3
Social Studies	3	4	3	3	3 American History, World History, Civics
Fine Arts	1	1	1	1	1
Practical Arts	1	1	0	1	1
Physical Education	1	1	0	1	1
World Language	0	2	2 Credits of the same language	Strongly Recommended	0
Electives	8.5	5.5	--	7 3 credits from World Language and/or core subject areas	9

Additional	.5 Health .5 Personal Finance .5 Speech	.5 Health .5 Personal Finance .5 Speech	Appropriate class rank & SAT/ACT scores	.5 Health and .5 Personal Finance Truman State University requires 2 yr. World Language	.5 Health and .5 Personal Finance
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Academic Letter Criteria

- The student must be enrolled at Smithville High School by the end of the first quarter of the current year.
- The student must be classified as a freshman, sophomore, junior or senior. They must be enrolled in four courses from the areas of Math, English Language Arts, Social Studies, Science, CAPS (counts as one course), NCC (counts as one course), Project Lead the Way or Foreign Language (III, IV, or V level) and must be enrolled in a total of six courses each semester.
- The student must have maintained an A- average (3.667 GPA) based on an average of S1 and S2 GPA for the current school year.

An Academic Letter will be awarded to those students eligible for an initial Academic Letter. A bar will be awarded after receiving an initial Academic Letter.

Awards will be distributed at graduation for senior students and in the following Fall semester for freshman, sophomore and junior students.

Missouri Course Access Program (MOCAP)

In the 2017 legislative session, the Missouri General Assembly passed a law referred to as MOCAP which allows more access to online learning for Missouri students. The intent of MOCAP is to:

- Expand the range of courses and opportunities offered to students
- Offer courses for students where there are no qualified teachers to teach the course
- Offer students a course not offered by their school district
- Provide high quality instruction to students in extenuating circumstances that prevent them from attending school

To qualify for MOCAP consideration, it must be in the best interest of the student and the student must meet the following criteria:

- The student must be enrolled full-time and have attended a Missouri public school the previous semester.
- In most cases, the course requested is not offered in any way by the district.

- Taking the course would not cause the student to exceed full time enrollment.

A team consisting of administrators and counselors will determine eligibility for MOCAP. Applications for MOCAP must be completed and turned in to the counseling center by the end of the registration process, late applications must be submitted no later than the first week of each new semester.

Course Offerings

English Language Arts (ELA)

COURSE: ADVANCED CREATIVE WRITING

COURSE NUMBER: H147

CREDIT: .5 English Language Arts

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Creative Writing with a B- average or better

This course is designed for students who aspire to write their own novels, short stories, poetry, plays or screenplays for publication. Held as a workshop-in-the-round, the course nurtures the emerging creative writing talents that were already evident in Creative Writing and gives them practical opportunities in which to write, employ new techniques in their writing, and receive constructive feedback from other writers. Over the course of the semester, students examine the voice, style, and form of their writing, as well as word choice, narrative strategy, characterization, setting, symbolism and other creative elements that go into a given piece. At the end of the semester, students will compile a portfolio of their writing that demonstrates their development over the semester as well as send out writing to appropriate publishers or agents for publication.

COURSE: ADVANCED DEBATE AND FORENSICS

COURSE NUMBER: H142A & H142B

CREDIT: 1 English Language Arts

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Beginning Forensics and Debate

Advanced Debate and Forensics is an extension of the introductory course, open to students who have completed Beginning Debate and Forensics with a grade of a C or higher. This advanced course will include instruction on advanced debate theory and philosophy, as well as advanced techniques for cutting and blocking interpretation events. The course design allows for students to choose tracks of study that correspond to the debate and forensics events of their choice, presenting students with a uniquely tailored in-class experience. Students who are self-motivated are most likely to experience success in this course. Advanced Debate and Forensics is a co-curricular course; therefore, in-class assessment includes a competition component in which students will be expected to compete inter-scholastically. Course is repeatable.

COURSE: AP ENGLISH LANGUAGE AND COMPOSITION ~~

COURSE NUMBER: H105A & H105B

CREDIT: 1 English Language Arts / Dual credit option available

GRADE LEVEL: 11

REQUIRED: No - Fulfills 11th Grade English Language Arts requirement

FEE: Approximately \$90 AP Exam

PREREQUISITE: Completion of English Language Arts II with a B- average or better and a 3.0 GPA.

This course cultivates the reading and writing skills that students need for intellectually responsible civic engagement. Students learn to become critical, curious, and responsive readers of diverse texts, and become flexible writers of texts addressed to diverse audiences for diverse purposes. The readings should deepen the understanding of how authors persuade (and manipulate) audiences, thus enriching students' understanding of how texts function rhetorically. Students will apply a framework for persuasive writing to their own original texts and produce evidence-based arguments and analyses over a variety of topics.

~~ Qualifies for Weighted Grades Designation

COURSE: AP ENGLISH LITERATURE AND COMPOSITION ~~

COURSE NUMBER: H104A & H104B

CREDIT: 1 English Language Arts

GRADE LEVEL: 12

REQUIRED: No

FEE: Approximately \$90 AP Exam

PREREQUISITE: Completion of English Language Arts III or AP English Language and Composition, with a B- average or better and a 3.0 GPA.

This course engages students in the careful reading and critical analysis of 16th-century to modern imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

~~ Qualifies for Weighted Grades Designation

COURSE: BEGINNING DEBATE AND FORENSICS

COURSE NUMBER: H143A & H143B

CREDIT: 1 English Language Arts

GRADE LEVEL: 9-12

REQUIRED: No – Fulfills speech requirement

FEE: None

PREREQUISITE: None

Beginning Debate and Forensics is a full year course focused around a competitive educational activity. The course content includes the study of four forms of debate: Lincoln/Douglas, Public Forum, Cross Examination or Policy, and Congressional Debate. In addition to the debate events, students will be exposed to forensics events including: Duet Acting, Humorous Interpretation, Dramatic Interpretation, Extemporaneous Speaking, Original Oratory, Poetry and Prose. Beginning Debate and Forensics is a co-curricular course; students who are enrolled in the class are required to compete in two extra-curricular speaking contests. Most contests are two-day events held on Friday afternoons and Saturdays. Outside class practices will be expected. A major component of the course will be research based; students who are strong readers, and are politically knowledgeable tend to perform the best in this course. Forensics and Debate is highly demanding, requiring time, effort, self-motivation, and responsibility to be successful.

COURSE: CONTEMPORARY WOMEN'S LITERATURE

COURSE NUMBER: H117BO

CREDIT: .5 English Language Arts

GRADE: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Minimum of C average in previous year's English Language Arts course

METHOD OF DELIVERY: Online

This course is an introduction to writing by minorities within the culture of the Americas and the world. Multiculturalism as a political, educational, or literary movement is concerned with representation. The goal of the movement is to have representation by all, to assure everyone a voice – a voice in politics, a voice in mainstream literature, a voice in the classroom. Multicultural literature allows readers to become aware of how different people have different experiences as well as how we, as human beings, share the capacity for joy and for suffering. The course curriculum concentrates on major novels, plays, poetry and nonfiction written by those traditionally held outside the American literary canon. In tandem with art, film and other media, the students will study the development of these literatures and corresponding social and historical circumstances that helped shape them, as well as the social and political movements they helped to foster. Semester two will focus on women's literature and issues related to women of many cultures. Being an online course, students will compose blog entries with message board responses as well as submit assessments online. Internet access at home is not a requirement for this course.

COURSE: CONTEMPORARY WORLD LITERATURE

COURSE NUMBER: H117AO

CREDIT: .5 English Language Arts

GRADE: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Minimum of C average in previous year's English Language Arts course

METHOD OF DELIVERY: Online

This course is an introduction to writing by minorities within the culture of the Americas and the world. Multiculturalism as a political, educational, or literary movement is concerned with representation. The goal of the movement is to have representation by all, to assure everyone a voice – a voice in politics, a voice in mainstream literature, a voice in the classroom. Multicultural literature allows readers to become aware of how different people have different experiences as well as how we, as human beings, share the capacity for joy and for suffering. The course curriculum concentrates on major novels, plays, poetry and nonfiction written by those traditionally held outside the American literary canon. In tandem with art, film and other media, the students will study the development of these literatures and corresponding social and historical circumstances that helped shape them, as well as the social and political movements they helped to foster. Semester one will focus on world literature and literature of the Americas. Being an online course, students will compose blog entries with message board responses as well as submit assessments online. Internet access at home is not a requirement for this course.

COURSE: CREATIVE WRITING

COURSE NUMBER: H151

CREDIT: .5 English Language Arts

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This semester-long course focuses on writing in the genres of short fiction, poetry, creative nonfiction, drama and screenplay. The purpose of this class is to encourage students to cultivate the habits, attitudes and flexibility of a writer. Students will be expected to conference with the instructor and peer writers, read contemporary published authors, keep and regularly write in a writer's notebook, and experiment with and revise writing routinely. Creative writing includes not only the process of journaling or generating, but also phases of reading, mentoring, experimenting, revising, and editing. All final pieces you will create for this class will reflect the process of writing. The goal is to become a community of writers who experiment, craft, and revise writing with passion and honesty. Classroom experiences will be dedicated to improvement regardless of the skill level upon entering Creative Writing.

COURSE: ENGLISH LANGUAGE ARTS I

COURSE NUMBER: H100A & H100B

CREDIT: 1 English Language Arts

GRADE LEVEL: 9

REQUIRED: Yes

FEE: None

PREREQUISITE: None

English Language Arts I students read literature and other complex texts that require students to practice close-reading skills. Students will be challenged to base their assertions and observations on what they've read, using critical thinking, problem solving, and analytical skills. Writing assignments include narrative, informational, reflective, and argumentative approaches. Skills in research, language, speaking, and listening are also assessed.

COURSE: ENGLISH LANGUAGE ARTS II

COURSE NUMBER: H101A & H101B

CREDIT: 1 English Language Arts

GRADE LEVEL: 10

REQUIRED: Yes

FEE: None

PREREQUISITE: English Language Arts I

Skills and abilities taught in the ninth grade are continued on a more mature level. Emphasis is placed on expository and research writing, with a continuous review of grammar and usage. Elements of literature are taught through more challenging fiction, nonfiction, poetry and drama.

COURSE: ENGLISH LANGUAGE ARTS III

COURSE NUMBER: H140A & H140B

CREDIT: 1 English Language Arts (Fulfills speech requirement)

GRADE LEVEL: 11

REQUIRED: Yes - can also be fulfilled by taking AP English Language Arts

FEE: None

PREREQUISITE: English Language Arts II

This course is designed to meet the needs of all students in making them college and career ready. English Language Arts III continues to expand and reinforce students' skills of analysis, evaluation, and synthesis of literature, writing, word study, and research. The course will reinforce the skills necessary to closely read fiction, drama, poetry and non-fiction related texts. Students in this course are expected to write critically and analytically, integrating the traits of effective writing, including formulating ideas, organization, word choice, voice, sentence fluency, and conventions. Skills in speaking and listening are also assessed. Throughout the year, students will strengthen their reading and writing skills to either enter college or start a career post-high school.

COURSE: ENGLISH LANGUAGE ARTS IV

COURSE NUMBER: H148A & H148B

CREDIT: 1 English Language Arts

GRADE LEVEL: 12

REQUIRED: No

FEE: None

PREREQUISITE: English Language Arts III

This course prepares high school seniors for the literacy demands of postsecondary education. Students develop proficiency in expository, analytical, and argumentative reading and writing. They demonstrate processes to read, comprehend, and respond to nonfiction and literary texts. Students will be expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies to their own writing. They will read current, relevant texts closely to examine the relationship between an author's argument or theme and his or her audience and purpose, to analyze the impact of structural and rhetorical strategies, and to examine the social, political, and philosophical implications of a text.

COURSE: FUNDAMENTALS OF SPEECH

COURSE NUMBER: H107

CREDIT: .5 English Language Arts

GRADE LEVEL: 11

REQUIRED: Yes – can also be fulfilled by taking Beginning Debate and Forensics, English Language Arts III, or Introduction to Business (2019 and after)

FEE: None

PREREQUISITE: None

Fundamentals of Speech is designed for the students who wish to improve his/her general speaking ability. The course is aimed not at developing professional speakers, but at teaching the basic skills of oral communication. Included in the course are analytical and persuasive reasoning; the development of personal qualities such as poise and self-confidence and prepared speeches.

COURSE: LITERATURE AND FILM STUDIES

COURSE NUMBER: H109

CREDIT: .5 English Language Arts

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is devoted to the advanced study of literary adaptation. Specifically, students explore how filmmakers translate works of literature into moving images through the analysis and application of select film theories. The course will provide students with the tools for critically analyzing film and understanding how film speaks as an artistic or literary form. Additionally, they should be able to think, write, and speak critically about the form, style, and content of those films. Students enrolled in the class will be asked to read literature and view films both inside and outside of the classroom.

COURSE: LITERATURE OF SOCIAL CHANGE

COURSE NUMBER: H122A & H122B or H122AO & H122BO

CREDIT: 1 English Language Arts

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

METHOD OF INSTRUCTION: In-person or online

This class will involve the reading and studying of important world literature as a tool for social change. Analysis of literary elements as well as critiques of works will be emphasized. Students will be expected to participate in scholarly discussions, write literary analysis, develop projects, and give thematic presentations.

Fine Arts (FA)

Art

COURSE: ART FOUNDATIONS

COURSE NUMBER: H700A & H700B

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: \$10 for consumables

PREREQUISITE: None

This is the basis for all other art courses and is required for all upper level art courses. Instruction combines Art History, Art Criticism, Aesthetics and Production in cohesive units. In addition, instruction is focused on the Elements of Art and Principles of Design. Students are expected to demonstrate skills in a variety of media and art forms as well as discuss, write, critique and give serious thought to the process of creating artwork.

COURSE: ART PORTFOLIO

COURSE NUMBER: H714A & H714B

CREDIT: 1 Fine Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: \$20 for consumables

PREREQUISITE: Drawing and Painting I and either Ceramics or Sculpture

This course is intended for the highly motivated art student. Students should understand this class work involves significantly more commitment and accomplishment. It is not for the casually interested. Students are encouraged to create and express visual ideas and evaluate the worth and quality of what they produce. Sketchbooks, critiques and journals are used as an integral component of instruction. The program is designed to promote the ability to create high quality art works and to help students make a commitment to an extended exploration of an area of interest. They are challenged to develop specific technical abilities with the final outcome being a portfolio that can be used for college admission.

COURSE: CERAMICS

COURSE NUMBER: H728

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$30 for consumables

PREREQUISITE: Art Foundations

This course offers an introduction to hand building and wheel-thrown ceramic methods. Hand building techniques include pinch, slab, coil, drape and extruded forms. The elements of art and principles of design are stressed as they are applied to form and surface decoration. Students will learn how to finish their pieces with various types of glaze and firing techniques. Historical and present cultural references will be explored as they pertain to functional and non-functional wares.

COURSE: DRAWING AND PAINTING I

COURSE NUMBER: H705

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$15 for consumables

PREREQUISITE: Art Foundations

This course will be an extensive study in drawing and painting skills working with the Elements of Art and Principles of Design including interpretation of visual properties of form and space, self-expression and stylistic development. Art History, aesthetics and critical thinking are encompassed in the units of study. Each student is expected to participate in critiques both oral and written, as well as create and maintain a sketchbook and portfolio. Some expenses will incur for materials.

COURSE: DRAWING AND PAINTING II

COURSE NUMBER: H706

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$15 for consumables

PREREQUISITE: Drawing and Painting I

This course will be an extension of Drawing and Painting I. The students will continue to study in drawing and painting skills working with the Elements of Art and Principles of Design including interpretation of visual properties of form and space, self-expression and stylistic development. Art History, aesthetics and critical thinking are encompassed in the units of study. Each student is expected to participate in critiques both oral and written as well as create and maintain a sketchbook and portfolio.

COURSE: SCULPTURE

COURSE NUMBER: H709

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$20 for consumables

PREREQUISITE: Art Foundations

This semester long course offers in-depth exploration into 3-D art forms through various mediums that may include clay, plaster, fibers, paper, found objects, installations and wood. Projects will be accompanied by a study of the history of sculptures and other 3-D art forms throughout time and cultures. Designs both functional and non-functional will be explored. Students will create individual and collaborative projects that will challenge size, scale, and functionality. Students will be expected to maintain their digital website portfolio. This course can be repeated.

Music

COURSE: ADVANCED INSTRUMENTAL MUSIC (WARRIOR PRIDE MARCHING BAND AND SYMPHONIC BAND)

COURSE NUMBER: H600A & H600B

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: Fees are associated with being in band (i.e. marching shoes, concert black tuxedo, and gloves).

PREREQUISITE: Having successfully passed the 6th, 7th, and 8th grade beginning band courses

The members of this ensemble represent the Smithville R-II School District highest instrumental ability through performances throughout the year. Students must be ready to perform at the highest level at all marching and concert band events. The marching band season is during the 1st quarter and beginning of the 2nd quarter. After marching season ends, a transition to concert band (Symphonic Band) occurs for the remainder of the school year. All students are expected to be at all performances given in the band handbook in August. All band members must be in good academic standing in order to participate in MSHSAA sanctioned events. Course is a full year course only. Only transfer students will be allowed mid-year enrollment. Once a student leaves the program, they will not be allowed to re-enroll.

COURSE: JAZZ BAND ENSEMBLE

COURSE NUMBER: H601A & H601B

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: Enrolled in Advanced Instrumental Music and in good standing in that ensemble.

The Smithville Jazz Ensemble performs at home concerts, competitive festivals, and our own Evening of Jazz. Jazz Ensemble is an enrichment class for those students who have the desire to expand their performance opportunities. Jazz Ensemble uses standard instrumentation as follows: Alto Sax, Tenor Sax, Bari Sax, Trumpet, Trombone, Guitar, Vibraphone, Piano, Bass, Drums. Rhythm instruments (Guitar, Piano, Bass, Drums) may be excused from the class prerequisite at the discretion of the Director. Students must audition for chair placement in the group, as well as display a minimum playing ability. Auditions will take place during the spring for the following fall semester. Jazz Ensemble is a year-long course; there will be no additions halfway through the academic year unless special circumstances arise. Success in this group depends on a continuous fundamental practice as well as an understanding of basic ensemble musicianship.

COURSE: LAKESIDE SINGERS

COURSE NUMBER: H608A & H608B

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: Complete audition and selection process and enroll in a section of choir during the spring semester.

Lakeside Singers will explore choral literature from a variety of genre and time periods with special emphasis on **vocal jazz**. The ensemble will focus on music composed or arranged for mixed voices, but may also be split or combined with other ensembles to perform music specific to the treble voices or the bass clef range. Instruction will center on the fundamentals of proper choral singing, music reading skills, overall musicianship, and responsibilities of a choral ensemble member. Students are *required* to perform with the ensemble outside the school day! The ensemble will travel locally and regionally to various festivals.

COURSE: MIXED CHOIR
COURSE NUMBER: H604A & H607B
CREDIT: 1 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

Students will explore literature that is written for mixed ensembles that include music from all time periods. Instruction will center on correct choral singing, including voice placement, tone production, breathing, and vowel formation as well as musical theory and sight reading. Members of this ensemble are required to perform evening concerts as well as travel locally to various festivals and concerts. Depending on enrollment, Mixed Choir may be offered in multiple sections which may be split by gender.

COURSE: MUSIC APPRECIATION I
COURSE NUMBER: H603
CREDIT: .5 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

Students will explore many genres of music throughout history with an emphasis on the evolution of Western Art (Classical) Music. Students will gain a basic understanding of the notation and terms used in the writing and reading of formal music. Students will develop the skills necessary to listen critically and evaluate all kinds of music. Class requirements include participation in classroom activities, attendance at a formal concert or musical performance, and research.

COURSE: MUSIC APPRECIATION II
COURSE NUMBER: H604
CREDIT: .5 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

Music Appreciation II is typically offered in the spring semester as a continuation of Music Appreciation I. It is highly recommended to take I & II sequentially, but it is not mandatory. Music Appreciation II will focus on the history of music with a focus on jazz and classical. Class requirements include participation in classroom activities, attendance at a formal concert or musical performance, and research.

COURSE: MUSIC THEORY
COURSE NUMBER: H602A & H602B
CREDIT: 1 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
LAB FEE: \$15 for lab materials
PREREQUISITE: None

This course will be an introduction to music theory and ear training. Music theory is the understanding, application, and analysis of music notation. In addition to using the symbols of written notation, students will also develop the skills to aurally analyze music and convert what they hear into notation. Students will also be expected to develop the skills needed in order to sing and/or play simple musical examples at sight. Students will gain the necessary knowledge required to compose and arrange simple musical pieces. This class is intended for those students who would like to expand their knowledge and experience in preparation for collegiate-level music theory courses.

COURSE: TENOR-BASS CHOIR

COURSE NUMBER: H609A & H609B
CREDIT: 1 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: \$10 for robe rental and cleaning
PREREQUISITE: Complete audition process

Tenor-Bass Choir is an auditioned ensemble that will focus on music composed or arranged for voices in the bass clef range, but may also be combined with other ensembles to perform music that includes treble voices. Students will explore choral literature from a variety of genres and time periods. Instruction will center on the fundamentals of proper choral singing, music reading skills, overall musicianship, and the responsibilities of a choral ensemble member. Students are required to perform with the ensemble outside the school day! This choir will travel locally to music festivals sponsored by the Missouri State High School Activities Association. Auditions are typically held in January for the following school year.

COURSE: TREBLE CHOIR

COURSE NUMBER: H605A & H605B
CREDIT: 1 Fine Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: \$10 for robe rental and cleaning
PREREQUISITE: Complete audition process

Treble Choir is an auditioned ensemble that will focus on music composed or arranged for soprano and alto voices, but may also be combined with other ensembles to perform music that includes voices in the bass clef range. Students will explore choral literature from a variety of genres and time periods. Instruction will center on the fundamentals of proper choral singing, music reading skills, overall musicianship, and the responsibilities of a choral ensemble member. Students are required to perform with the ensemble outside the school day! This choir will travel locally to music festivals sponsored by the Missouri State High School Activities Association. Auditions are typically held in January for the following school year.

Theatre Arts

COURSE: THEATRE ARTS I

COURSE NUMBER: H721
CREDIT: .5 Fine Arts
GRADE LEVEL: 9-12
FEE: None
PREREQUISITE: None

This is an introductory theatre course that focuses on the actor's role in performance. Units covered include ensemble building, script analysis, movement, voice, scene work, and improvisation.

COURSE: THEATRE ARTS II

COURSE NUMBER: H722
CREDIT: .5 Fine Arts
GRADE LEVEL: 9-12
FEE: None
PREREQUISITE: Theatre I

This is an intermediate theatre course that builds on the foundational principles of Theatre I. This course will teach more advanced theatre concepts and include units in ensemble building, theatre history, playwriting, new play production, advanced acting with emphasis on the works of Shakespeare.

COURSE: THEATRE ENSEMBLE
COURSE NUMBER: H723A & H723B
CREDIT: .5 or 1 Fine Arts
GRADE LEVEL: 11-12
FEE: None
PREREQUISITE: At least a B in Theatre Arts II

This course will be focused on producing performances and advanced studies in acting and theatre performance. Because this course is repeatable for credit, the units of study will change each semester to accommodate and challenge the particular needs of the class. Units may include: solo performance, classical theatre performance, producing a published play, audition techniques, and advanced movement. This course is repeatable and can be taken as a semester or full year course.

COURSE: THEATRE PRODUCTION
COURSE NUMBER: H717A and H717B
CREDIT: .5 or 1 Fine Arts
GRADE LEVEL: 11-12
FEE: None
PREREQUISITE: None

This course is an introduction to technical theatre. The course combines the two main facets of technical theatre: design and production. Students will experience hands-on hours as a crew member in the Performing Arts Center (outside of class), as well as build sets and costumes for the musical and play. Students will also create numerous design projects in scenery, costuming, and lighting. This course is repeatable and can be taken as a semester or full year course.

COURSE: THEATRE PRODUCTION INTERNSHIP
COURSE NUMBER: H727A & H727B
CREDIT: .5 or 1 Fine Arts
GRADE LEVEL: 12
FEE: None
PREREQUISITE: 1 credit of Theatre Production with a minimum of a B

Advanced technical theatre students will act as "Student Managers" in the PAC and perform outside projects in theatre design and production. Although students will be enrolled in the course, there will be few actual class meetings. Class time is logged via outside of school hours working in the PAC for various school and community productions. This course can be taken for as a semester or full year course.

General Electives (E)

COURSE: **ACT PREPARATION**

COURSE NUMBER: H15210

CREDIT: .5 General Elective

GRADE LEVEL: 11-12

REQUIRED: No

FEES: \$85 course material

PREREQUISITE: None

METHOD OF DELIVERY: Online

The ACT Preparation course is offered to students looking to improve their content knowledge and test taking strategies in preparation for the ACT exam. Based on a pre-test taken the first day of class, each student will be given an individual plan of study to improve in the areas they have deficiencies. Class time will be utilized for individual and small group work as well as learning general test taking strategies tailored to each subtest of the ACT. The materials for this course are the property of the student.

COURSE: **CADET TEACHING**

COURSE NUMBER: H1500A & H1500B

CREDIT: 1.5 General Elective / Dual credit option available

GRADE LEVEL: 12

REQUIRED: No

FEE: None

PREREQUISITE: Cumulative GPA 3.0 or above. Child Development is highly encouraged to take before or at the same time as Cadet Teaching.

Cadet teaching provides an opportunity for students interested in a teaching career to work with experienced teachers in a classroom setting. The program provides students who possess exemplary interpersonal and leadership skills the insights about teachers and schools so that they might become advocates for education.

COURSE: **LEADERSHIP I**

COURSE NUMBER: H1510

CREDIT: .5 General Elective

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Complete application and selection process

This course offers students the opportunity to examine leadership theory, develop leadership skills, and apply their knowledge and skills through identified projects. The projects will include the planning of school activities in support of both school and surrounding community objectives. The class will cover such topics as understanding various leadership styles; self-awareness and discovery regarding personal leadership style; project organization; personal and project goal-setting; and using different forms of communication to be an effective leader.

COURSE: **LEADERSHIP II**

COURSE NUMBER: H1514

CREDIT: .5 General Elective

GRADE LEVEL: 11-12

FEE: None

PREREQUISITE: Leadership I

This course will offer further development of a student's understanding regarding leadership styles and theories. In addition, the class will cover such topics as problem-solving skills development; working through and understanding how to resolve conflict in leadership; the team/group process involved in

leading; researching the impact of pluralism in groups; learning how to become a process observer and applying continuous improvement skills in leading projects.

COURSE: OUTDOOR EDUCATION

COURSE NUMBER: H1503

CREDIT: .5 General Elective

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This semester course is designed to immerse students in diverse adventure pursuits. Students will investigate and explore activities related to outdoor and recreational activities that could be utilized throughout their lifetime. Units could include orienteering, geocaching, hiking, frisbee golf, map reading, outdoor/camp cooking, camping essentials, fishing, hunter education, team building/group dynamics, archery, and any other outdoor education topics.

COURSE: SPORTS MEDICINE / ATHLETIC TRAINING

COURSE NUMBER: H1504

CREDIT: .5 General Elective

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is designed to gain knowledge about sports medicine/athletic training as a profession; including roles of the athletic trainer, the sports medicine and sports medicine team, steps on becoming a certified athletic trainer, and athletic training careers. Students will have the opportunity to pass certification tests for first aid skills and CPR certification. Topics related to the aspects of administration such as legal issues, administration documentation, professional development and PREMIER model for becoming a professional will also be studied. ***Participation in this course requires 10 hours of practical experience working alongside our current athletic trainer in the training room outside of the classroom.*** Course cannot be repeated.

COURSE: SPORTS MEDICINE / ATHLETIC TRAINING II

COURSE NUMBER: H1516

CREDIT: .5 General Elective

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Sports Medicine/Athletic Training

This course is designed to gain knowledge about sports medicine/athletic training with a hands-on approach; including recertification in first aid skills and CPR certification. As well as taping, wrapping, simple wound care, emergency procedures, athletic practice management and athletic game management. Students will learn about common fitness, strengthening and flexibility activities for the purpose of preventing injuries. Students will build rehabilitation and reconditioning programs as it relates to common athletic injuries. On hand student training skills will be advanced and improved throughout the semester. Students will work alongside our current athletic trainer to set up game day facilities, work game day activities, and perform scheduled work field experience hours as outlined in the student athletic training competencies. ***Participation in this course requires 40 hours of practical experience in the training room or at athletic games outside of the classroom.*** Course cannot be repeated.

COURSE: STUDENT LIBRARY ASSISTANT

COURSE NUMBER: H1520A & H1520B

CREDIT: 1 General Elective or may be used for A+ tutoring hours for 0 credit

GRADE LEVEL: 11-12

REQUIRED: NO

FEE: None

PREREQUISITE: Complete application and selection process

Juniors or seniors who are selected through an application and interview process with the librarians will be given the opportunity to explore the world of librarianship. Student library assistants will be needed at the high school, upper elementary and primary elementary. Library assistants will be expected to aid with various aspects of the media center and complete assigned projects. Students will gain entry level skills to assist both staff and students in the library. Applicants should have a love of books, be able to work independently, and have an interest in helping others. This course has a limited enrollment. Students assigned to an elementary building must provide their own transportation.

COURSE: WARRIOR TECH SUPPORT

COURSE NUMBER: H919A & H919B

CREDIT: 1 General Elective

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Complete application and selection process

The Warrior Tech Support course is a hands-on study of technology integration in an educational context. Students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. The course also provides students with the opportunity to pursue an independent learning pathway in one of four areas: innovation, design, entrepreneurship or applications and develop a project which positively impacts their community. Students will be able to collaborate with outside businesses and organizations as they develop and implement their projects. To be successful in this course, students should have a working knowledge of Microsoft Windows OS and Chrome OS; they should also possess a desire to help solve problems, create solutions, and explore new ideas and technologies.

COURSE: WORK EXPERIENCE

COURSE NUMBER: H1803A & H1803B

CREDIT: 1 General Elective

GRADE LEVEL: 12

FEE: None

REQUIRED: No

PREREQUISITE: Enrolled in a minimum of 2 instructional hours per day, maintain a 95% attendance rate and avoid suspension or expulsion

Work Experience is available to students through the School Flex program. Students will be supervised by a certified staff member while in Work Experience.

Mathematics (MA)

COURSE: **ALGEBRA I**
COURSE NUMBER: H201A & H201B
CREDIT: 1 Mathematics
GRADE LEVEL: 9
REQUIRED: Yes
FEE: None
PREREQUISITE: none

The Algebra I course deals with symbols, terminology, and the basic structure of the real number system and their application to the solution of problems. In solving these problems, the student will acquire skills in applying algebraic concepts and skills. Graphical representation and the role of deductive reasoning in algebra are stressed.

COURSE: **ALGEBRA II**
COURSE NUMBER: H203A & H203B
CREDIT: 1 Mathematics
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: Algebra I and Geometry. May also be taken concurrently with Geometry with current math instructor approval.

The purpose of Algebra II is to provide students with a better understanding of how to apply algebra to solve real-world problems. Content and skills addressed in Algebra II include graphing and analyzing linear and nonlinear equations, functions, basic trigonometry, complex numbers, radicals and factoring.

COURSE: **AP CALCULUS AB** ~~
COURSE NUMBER: H209A & H209B
CREDIT: 1 Mathematics / Dual credit option available
GRADE LEVEL: 12
REQUIRED: No
FEE: Approximately \$90 AP Exam
PREREQUISITES: Math Analysis

The content of AP Calculus corresponds to the content of a first-year college calculus course with limit theory, differentiation, and integration as its major themes. Graphing calculator technology is incorporated throughout the course.

~~ *Qualifies for Weighted Grades Designation*

COURSE: **AP CALCULUS BC** ~~
COURSE NUMBER: H210A & H210B
CREDIT: 1 Mathematics / Dual credit option available
GRADE LEVEL: 12
REQUIRED: No
FEE: Approximately \$90 AP Exam
PREREQUISITES: AP Calculus AB

AP Calculus BC is a continuation of AP Calculus AB. While reinforcing the major themes of Calculus AB (limits, differentiation, and integration), students will also focus on advanced integration topics, the calculus of parametric and polar functions, sequences, and polynomial approximations and series. Graphing calculator technology is incorporated throughout the course.

~~ *Qualifies for Weighted Grades Designation*

COURSE: AP STATISTICS ~~

COURSE NUMBER: H215A & H215B

CREDIT: 1 Mathematics / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$90 AP Exam

PREREQUISITES: Algebra II and Geometry; Math G.P.A of 2.5 or higher.

Statistics acquaints students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Ideas and computations presented in this course have immediate links and connections to actual events. Computers and calculators will allow students to focus deeply on the concepts involved in statistics.

~~ Qualifies for Weighted Grades Designation

COURSE: COLLEGE ALGEBRA

COURSE NUMBER: H205A & H205B

CREDIT: 1 Mathematics / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITES: Algebra II and Geometry, mathematics GPA of 2.5 or higher and score of at least 17 on the mathematics section of the ACT.

The content of College Algebra is that of a traditional college-level algebra course. Topics include linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices.

COURSE: COLLEGE PREPARATORY MATHEMATICS

COURSE NUMBER: H206A & H206B

CREDIT: 1 Mathematics

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Algebra II and Geometry

This course is designed to prepare students for success in a College Algebra course (whether taken at SHS or at a college or university). Topics covered will include algebra concepts, ACT exam preparation, and statistics.

COURSE: FOUNDATIONS OF ALGEBRA

COURSE NUMBER: H213A & H213B

CREDIT: 1 Mathematics

GRADE LEVEL: 9

REQUIRED: No

FEE: None

PREREQUISITE: None

This course reinforces and builds upon mathematical skills taught in previous classes with additional advanced computation, including an emphasis on algebraic concepts, problem-solving, and how mathematics interacts with the real world.

COURSE: GEOMETRY
COURSE NUMBER: H204A & H204B
CREDIT: 1 Mathematics
GRADE LEVEL: 9-10
REQUIRED: No
FEE: None
PREREQUISITE: Algebra I

Geometry emphasizes and utilizes geometric concepts and facts often proven in a way that creates and develops creative problem-solving skills and logical deductive reasoning. This course provides an excellent foundation for critical thinking needed in future math and science courses.

COURSE: MATH ANALYSIS
COURSE NUMBER: H208A & H208B
CREDIT: 1 Mathematics / Dual credit option available
GRADE LEVEL: 11-12
REQUIRED: No
FEE: None
PREREQUISITES: B- average or higher in both Algebra II and Geometry

Math Analysis is recommended for those students going to college and/or advanced technical careers. The content of Math Analysis includes advanced algebraic concepts, trigonometry, and probability and statistics. The graphing calculator is required as technology and is utilized throughout the course. Much emphasis is placed on mathematical problem solving.

COURSE: MATHEMATICS FOR THE REAL WORLD
COURSE NUMBER: H214A & H214B
CREDIT: 1 Mathematics
GRADE LEVEL: 11-12
REQUIRED: No
FEE: None
PREREQUISITE: Algebra I

This course begins with basic math review and uses these skills in real-life problem solving. Students will become aware of consumer-related issues and use the mathematics they learn to address issues in their school and in the community. Topics will include computations involving maximizing area and volume, budgeting, taxes, loans, data, and statistics. This course is not for "college-bound" students.

Physical Education (PE)

Physical Education Course Restrictions:

- *9th and 10th graders taking a weights course can take 1 additional physical education course*
- *9th and 10th graders not in weights can enroll in 1 physical education course*
- *11th and 12th graders can enroll in up to 2 physical education courses*

COURSE: CO-ED PHYSICAL EDUCATION

COURSE NUMBER: H801A & H801B

CREDIT: 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

Co-Ed Physical Education emphasizes health-related fitness and developing the skills and habits necessary for a lifetime of activity. This course provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness with the use of Polar heart rate technology and increases their knowledge of fitness concepts. The program includes skill development and the application of rules and strategies of complex difficulty in the following movement forms: 1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility and body composition), 2) aerobic exercise, 3) team sports 4) individual and dual sports and 5) recreational games. Ongoing assessment includes written and performance-based skill evaluations. This course can be repeated.

COURSE: FEMALES AND WEIGHT TRAINING

COURSE NUMBER: H811A & H811B

CREDIT: 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is open to girls only. It will give the student the opportunity for regular, supervised workouts while learning power techniques and safety. Muscle structure and movement will be taught along with specific lifts, which develop each muscle group. Health related fitness activities will be done to include cardio-respiratory endurance, muscular strength and endurance, flexibility and body composition. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluations. This course can be repeated.

COURSE: HEALTH

COURSE NUMBER: H813

CREDIT: .5 Health

GRADE LEVEL: 10

REQUIRED: Yes

FEE: None

PREREQUISITE: None

In this course students will learn to investigate disorders, identify treatments and utilize prevention techniques to maintain healthy sensory, muscular, skeletal, integumentary (skin), cardiovascular/circulatory, respiratory, nervous, digestive, urinary/excretory, endocrine, reproductive, lymphatic-immune systems. Learning objectives focused on health maintenance and enhancement and risk assessment and reduction will be prominent during this course.

COURSE: LIFETIME SPORTS

COURSE NUMBER: H816A & H816B

CREDIT: .5 or 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course provides students with the knowledge and skills essential to selecting and implementing activities which will ensure long-term wellness. Students should enter the class open to learning new activities and will walk away with an understanding and appreciation for the value of exercise. All activities will build upon motor skills employing individual activities and dual sports emphasizing rules and fair play. Personal fitness activities will provide basic principles of training that emphasizes all components of health-related fitness including cardio respiratory endurance, muscle strength and endurance, flexibility and injury prevention.

COURSE: POWER SPORTS

COURSE NUMBER: H1517A & H1517B

CREDIT: .5 or 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is designed for students wishing to further their skill level and knowledge of football, basketball, volleyball and related sports topics including history of the sport, fundamental skill development, foot speed development as well as team and individual situational play. This course may serve as a foundation for the pursuit of interscholastic competition, recreational enjoyment, and coaching.

COURSE: POWER WALKING

COURSE NUMBER: H818A & H818B

CREDIT: .5 or 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course promotes aerobic and muscular endurance with the use of safe and mechanically effective walking techniques. It incorporates motivational techniques, pacing, and prevention of injuries. This course enhances the students' practical and cognitive knowledge of fitness and nutrition concepts as well as establish a sound, individual exercise program that may be maintained throughout life. The main activity component of this class will be walking. Walking routes will include established campus paths, indoor and outdoor tracks.

COURSE: WEIGHT TRAINING

COURSE NUMBER: H809A & H809B

CREDIT: 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is designed to introduce the basics of weight training. Students will go at a slower pace as the proper techniques are introduced and performed. Students wanting to start a weight lifting routine in a highly structured, efficient and motivational environment should consider this course. Instruction will include a variety of individual training workouts utilizing free weights, body weight and medicine balls.

Practical Arts (PA)

Agriculture Education

Agriculture Education Three-Year Course Rotation					
School Year	Courses	School Year	Courses	School Year	Courses
2019-2020 & 2022-2023	Equine Science	2020-2021 & 2023-2024	Animal Science	2021-2022 & 2024-2025	Veterinary Science

COURSE: AGRICULTURE COMMUNICATIONS

COURSE NUMBER: H1022A & H1022B

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources

This course will enable students to develop the knowledge, attitudes and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, extemporaneous speaking, impromptu speaking, written communication, meeting people, good first impressions, personal goals, team work, team/organizational goals, organizing groups to take action and evaluation of team/organizational actions.

COURSE: AGRICULTURAL CONSTRUCTION

COURSE NUMBER: H1002A & H1002B

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: \$40 for consumables and safety glasses; Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior

Agricultural Construction is a one-unit class for third year agriculture students. The course will involve use of all tools in the shop. The course develops skills in arc welding, gas welding, MIG welding, plasma arc cutting, and utilization of woodworking power tools. Construction of usable metal and wood projects is required during the second semester and students must plan on project construction. Safety tests will be passed prior to entering the construction laboratory. The course will require keeping a three-ring binder, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

COURSE: AGRICULTURAL TRACTOR POWER

COURSE NUMBER: H1008A & H1008B

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior

This course will focus on the process of tractor restoration. Units of study include the basic principles of power transmissions, hydraulic systems, and tractor engines. Tractor operation, safety practices, and maintenance will receive major emphasis. Tractor overhaul will be included where feasible. The course will require keeping a Placement Notebook, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

COURSE: CASE AGRICULTURAL POWER AND TECHNOLOGY

COURSE NUMBER: H7774A & H7774B

CREDIT: 1 Practical Art or Science

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior

A course designed to expose students to mechanics, power, technology, and career options in the world of agriculture. The course will provide experience in various mechanical and engineering concepts with exciting hands-on activities, projects, and problems. Units of study include energy, tool operation and safety, material properties, machine operation, and structural components. Students will acquire the basic skills to operate, repair, engineer, and design agricultural tools and equipment. Throughout the course, students will apply the engineering principles to the construction of machines and structures.

COURSE: CASE ANIMAL SCIENCE~~

COURSE NUMBER: H1003A & H1003B

CREDIT: 1 Practical Art / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior

Animal Science is designed to develop basic understanding and real appreciation for the worth of livestock production and its importance in global, national and statewide agriculture. Units of study will include animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management and biotechnology. The course will require keeping a three-ring binder, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

*Not in course rotation for 2021-2022 school year
~~ Qualifies for Weighted Grades Designation*

COURSE: EQUINE SCIENCE

COURSE NUMBER: H1006A & H1006B

CREDIT: 1 Practical Art / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior

Equine science is a course that contains units of study that deal with the latest concepts of owning and managing a horse. This course will emphasize the principals involved in the selection, health management, facilities, nutritional management, exercise physiology, reproduction, track and business management. The students will obtain basic concepts of owning and managing an equine enterprise. The responsibility of management practices and cost benefits that can be gained in owning your own horse will be a focus of this course. The course will require keeping a three-ring binder, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

Not in course rotation for 2021-2022 school year

COURSE: INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

COURSE NUMBER: H7773A & H7773B

CREDIT: 1 Practical Art / Dual Credit option available

GRADE LEVEL: 9-11

REQUIRED: No

FEE: \$25.00 for consumable supplies, Approximately \$25 FFA Membership

PREREQUISITE: None

Introduction to Agriculture, Food, and Natural Resources (AFNR) introduces students to agricultural opportunities and the pathways of study in agriculture. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout the Agricultural Education curriculum. Throughout the course are activities to develop and improve employability skills of students through practical applications. Students explore career and post-secondary opportunities in each area of the course. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. FFA membership required.

COURSE: SUPERVISED AGRICULTURAL EXPERIENCE CO-OP

COURSE NUMBER: H1007A & H1007B

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and Placement Training Agreement

Supervised Agricultural Experience Co-Op provides enrollment for students that are released on school time to complete a cooperative occupational experience in an approved training station in agriculture. A signed training agreement and training plan must be completed for each student. The course will require keeping a Placement Notebook, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

COURSE: VETERINARY SCIENCE

COURSE NUMBER: H1009A & H1009B

CREDIT: 1 Practical Art / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$25 FFA Membership

PREREQUISITE: Introduction to Agriculture, Food and Natural Resources and a junior or senior. Special permission would be needed by non-current agriculture education students.

This course involves the study of both food and companion animals. Topics include cell and tissue biology, anatomy, physiology, nutrition, disease prevention and diagnosis, and surgical procedures. The course will require keeping a three-ring binder, FFA membership, supervised agricultural experience program, and possible participation on a career development team.

Business Education

Finance/Accounting Pathway		
Introductory Level	Technical Level	Application Level

Introduction to Business	Web Design I Accounting I Personal Finance	Accounting II Business and Personal Law Business Management CAPS
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COURSE: ACCOUNTING I

COURSE NUMBER: H1100A & H1100B

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: C average in Math is recommended

This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include the accounting equation, the accounting cycle, entering transactions in journals, posting to ledgers, preparing end-of-period statements and reports, payroll systems, banking activities, taxes, and other related topics. Students will complete the accounting cycle for a sole proprietorship and partnership. Microsoft Excel will be used to supplement learning. A student must successfully complete the first semester before taking the second semester of Accounting I. Students must be able to work on an individualized basis.

COURSE: ACCOUNTING II

COURSE NUMBER: H1105A & H1105B

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Accounting I with a C average

This course offers advanced accounting principles in partnership accounting, departmentalized accounting, general accounting adjustments, and corporation accounting. International accounting is discussed, and Microsoft Excel will be used to supplement learning. Students must be able to work on an individualized basis.

COURSE: BUSINESS AND PERSONAL LAW

COURSE NUMBER: H807

CREDIT: .5 Practical Art

GRADE LEVELS: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Introduction to Business

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, individual rights, wills and estates. Business communication is a key component of this course and includes written, interpersonal and public speaking.

COURSE: BUSINESS MANAGEMENT

COURSE NUMBER: H1127

CREDIT: .5 Practical Art

GRADE LEVELS: 10-12

REQUIRED: No

FEE: None
PREREQUISITE: Introduction to Business

This course explores all aspects of operating a business including economics, marketing, human resources, workplace expectations and financial management. Business communication is a key component of this course and includes written, interpersonal and public speaking. Can be repeated.

COURSE: COMPUTER PROGRAMMING I
COURSE NUMBER: H8091
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

This course will be tailored to the student. This course will include general technology concepts like college/business software, computer components, security, ethics and documentation while allowing students to design additional computer science curriculum such as a coding language like python and/or graphics/web design including website generator apps, Adobe to HTML/CSS. Students will be required to implement technology through projects partnering with the school or local businesses.

COURSE: COMPUTER PROGRAMMING II
COURSE NUMBER: H8093
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: Computer Programming I

This course will be tailored to the student. This course will include general technology concepts like college/business software, computer components, security, ethics and documentation while allowing students to design additional computer science curriculum such as a coding language like python and/or graphics/web design including website generator apps, Adobe to HTML/CSS. Students will be required to implement technology through projects partnering with the school or local businesses.

COURSE: COMPUTER PROGRAMMING III
COURSE NUMBER: H8094
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: Computer Programming II

This course will be tailored to the student. This course will include general technology concepts like college/business software, computer components, security, ethics and documentation while allowing students to design additional computer science curriculum such as a coding language like python and/or graphics/web design including website generator apps, Adobe to HTML/CSS. Students will be required to implement technology through projects partnering with the school or local businesses.

COURSE: COMPUTER PROGRAMMING IV
COURSE NUMBER: H8095
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None

PREREQUISITE: Computer Programming III

This course will be tailored to the student. This course will include general technology concepts like college/business software, computer components, security, ethics and documentation while allowing students to design additional computer science curriculum such as a coding language like python and/or graphics/web design including website generator apps, Adobe to HTML/CSS. Students will be required to implement technology through projects partnering with the school or local businesses.

COURSE: INTRODUCTION TO BUSINESS

COURSE NUMBER: H1125A & 1125B

CREDIT: 1 Practical Art

GRADE LEVEL: 9-12

REQUIRED: No – Fulfills speech requirement

FEES: Approximately \$25 FBLA Membership is required

PREREQUISITE: None

This course is designed to introduce students to how business works and to provide a foundation for other business courses. Content includes economics, accounting/finance, management, marketing, operations and business law. International business is also discussed as well as employment skills. A resume and interviewing knowledge will be included. This course will also build on basic business concepts by developing a business or business idea. Students will be required to apply the learned concepts by developing a business plan and Shark-Tank presentation for a business of their choice. Business communication is a key component of this course and includes written, interpersonal and public speaking.

COURSE: PERSONAL FINANCE

COURSE NUMBER: H1118

CREDIT: .5 Personal Finance

GRADE LEVEL: 11-12

REQUIRED: Yes

FEE: None

PREREQUISITE: None

Understanding and managing personal finances are key to one's future financial success. This one-semester course presents essential knowledge and skills to make informed decisions about real-world financial issues and is based on the Missouri Personal Finance Competencies: saving and investing; money management; spending and credit; and income. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. This course content is designed to help the learner make wise spending, saving and credit decisions and to make effective use of income to achieve personal financial success.

COURSE: SUPERVISED BUSINESS EMPLOYMENT

COURSE NUMBER: H1128

CREDIT: .5 Practical Arts

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Business Management

Students apply and are selected to manage the school's Grind and Warrior Trading Post. Grade is based on a performance review of attendance, initiative, managing other students and tasks required to run the business. Money handling as well as customer service are key necessities to success of the position.

Engineering/Industrial Technology

PROJECT LEAD THE WAY (PLTW) is a nationally recognized engineering curriculum being offered through the Smithville School District. The sequence of courses are 1) Introduction to Engineering Design, 2) Principles of Engineering or Civil Engineering and Architecture. Ask your Guidance Counselor about information regarding PLTW or go to www.pltw.org. Courses marked with a double asterisk (**) are approved Project Lead the Way courses.

****COURSE: CIVIL ENGINEERING AND ARCHITECTURE (CEA)****

COURSE NUMBER: H907A & H907B

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Introduction to Engineering & Design (IED)

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, stormwater management, and careers in the design and construction industry. The major focus of the CEA course is to expose students to the design and construction of residential and commercial building projects, design teams and teamwork, communication methods, engineering standards, and technical documentation.

~~ Qualifies for Weighted Grades Designation

****COURSE: INTRODUCTION TO ENGINEERING DESIGN (IED)****

COURSE NUMBER: H900A & H900B

CREDIT: 1 Practical Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: Mathematics and Science interest needed

The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will employ engineering and scientific concepts in the solution of engineering design problems. IED gives students the opportunity to develop skills and understanding of course concepts through activities, problems, and projects. The course assumes no previous knowledge, but students should be concurrently enrolled in college preparatory mathematics and science. In addition, students use a state of the 3D solid modeling design software package to help them design solutions to solve proposed problems.

~~ Qualifies for Weighted Grades Designation

****COURSE: PRINCIPLES OF ENGINEERING (POE)****

COURSE NUMBER: H901A & H901B

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None
PREREQUISITE: Introduction to Engineering & Design (IED)

This course of engineering exposes students to major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

~~ Qualifies for Weighted Grades Designation

Family and Consumer Sciences

COURSE: CHILD DEVELOPMENT I
COURSE NUMBER: H1203
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

Child Development I is designed to offer knowledge and skills for students in relation to parenting and children. Topics covered include parenting skills, parenting styles, family structures, prenatal care and labor/delivery, and through the 1st year of a child's life through physical, social, emotional and intellectual developmental milestones. Early Childhood Center observations provide real-world learning experiences for students. Participation in the "Empathy Belly" stimulation is also required.

COURSE: CHILD DEVELOPMENT II
COURSE NUMBER: H1204
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: Child Development I with a C or higher

Child Development II is designed for students with a passion for working with children. This course includes the physical, social, emotional and intellectual development of a child from age one to school age. Additional study explores health & safety, issues and trends of childhood discipline, and meeting special needs of children. Participating and leading "Little Warriors Preschool" is a requirement.

COURSE: CHILD DEVELOPMENT INTERNSHIP
COURSE NUMBER: H1210A & H1210B
CREDIT: 1 Practical Art
GRADE LEVEL: 11-12
REQUIRED: No
TRANSPORTATION: Provided by student.
FEE: None
PREREQUISITES: Child Development II

Explore children by spending part of your day with a community professional. Working with a field site supervisor in a child care setting will familiarize the student with the responsibilities and rewards of working with children while building professional qualities through an internship setting. Course will be a combination of in-class instruction and on-site placements. *Attendance is extremely important for acceptance and success for the course.

COURSE: FASHION & TEXTILES
COURSE NUMBER: H1208A & H1208B

CREDIT: 1 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: Cost of sewing supplies
PREREQUISITE: None

Fashion & Textiles is designed to offer basic fashion knowledge as well as sewing skills. This course explores the design of fashion, fashion history, fashion designers, care of clothing, manufacturing of textiles and fabrics, and implementing the use of principles and elements of design. This course also explores sewing equipment and clothing construction skills. At least 3 sewing projects are required and will be completed.

COURSE: FASHION & TEXTILES II
COURSE NUMBER: H1207A & H1207B
CREDIT: 1 Practical Art / Dual credit option available
GRADE LEVEL: 11-12
REQUIRED: No
FEE: Cost of sewing supplies
PREREQUISITE: Fashion & Textiles

Fashion & Textiles II is designed to analyze career paths within textiles, fashion, and apparel industries. This course evaluates textiles, fashion, and apparel products and materials and their use in diverse settings. Students will demonstrate textiles, fashion, and apparel design skills. Students will learn skills needed to produce, alter, or repair textiles, fashion, and apparel.

COURSE: HOUSING & INTERIOR DESIGN
COURSE NUMBER: H1209
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

Housing & Interior Design is designed for students to gain background knowledge for careers in interior design, furnishings, and maintenance. Topics include: housing decisions, housing and furnishing selection, elements and principles of design, housing and furniture styles, universal access, selection and care of furnishings, safe and healthy living environments, and space planning.

COURSE: NUTRITION & WELLNESS I
COURSE NUMBER: H1201
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: \$20 foods & cooking fee
PREREQUISITE: None

Nutrition & Wellness I is designed to prepare students for a lifetime of good nutrition and overall wellness. The course equips students with knowledge and skills by covering the basics of nutritional health and wellness, nutrition guidelines, lifespan nutrition, eating patterns, meal planning, food selection, safety and sanitation, following a recipe, and food preparation. Students will be required to participate in cooking labs to provide hands-on applications.

COURSE: NUTRITION & WELLNESS II
COURSE NUMBER: H1230
CREDIT: .5 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: \$20 foods & cooking fee

PREREQUISITE: Nutrition & Wellness I

Nutrition & Wellness II is designed for students interested in various culinary skills and careers within the industry. The course builds on knowledge and skills from Nutrition & Wellness I. This course will cover culinary skills including knife skills, culinary basics, and baking, examination of culinary careers, and the exploration of International Foods. Students will be required to participate in cooking labs to provide hands-on applications.

COURSE: SELF DEVELOPMENT

COURSE NUMBER: H12050

CREDIT: .5 Practical Art

GRADE: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

METHOD OF DELIVERY: Online

In this course you will look at all aspects of life - mental & physical health, social behaviors, personality and the life processes - to help you discover yourself, develop good communication skills and resolve conflicts in a positive manner. Emphasis is on the positive as you increase your self-awareness, self-acceptance and improve interpersonal relations. This course deals to some extent with human reproduction and/or family life education. Internet access at home is not a requirement for this course.

Journalism

COURSE: INTRODUCTION TO BROADCAST JOURNALISM

COURSE NUMBER: H146

CREDIT: .5 Practical Art

GRADE LEVEL: 9-12

REQUIRED: Minimum of a B average in English Language Arts

FEE: None

PREREQUISITE: None

This course is designed to provide students with the training they need to work for the Smithville Media Network. The course covers the fundamentals of journalism, including skills in reporting, writing, editing, photojournalism, media literacy, law and ethics of media, and visual/graphic design, videography, and digital editing.

COURSE: INTRODUCTION TO YEARBOOK

COURSE NUMBER: H1071

CREDIT: .5 Practical Art

GRADE LEVEL: 9-12

REQUIRED: Minimum of a B average in English Language Arts

FEE: None

PREREQUISITE: None

This course is designed to provide students with the training they need to work for the Smithville yearbook staff. The course covers the fundamentals of journalism, including skills in reporting, writing, editing, photojournalism, media literacy, law and ethics of media, and visual/graphic design.

COURSE: ADVANCED JOURNALISM: EVENTS BROADCASTING

COURSE NUMBER: H1135A & H1135B

CREDIT: 1 Practical Art
GRADE LEVEL 10-12
REQUIRED: No
FEE: None
PREREQUISITE: Intro to Broadcast Journalism

Students in this course will be responsible for covering all Smithville High School sports and events by using a variety of media mediums--print, online, social media, and video. They will write game coverage, previews, features, and profiles for SmithvilleWarriors.com. They will be responsible for live streaming sporting events as well as other events on campus. Students will study professionals in the trade; sportswriters as well as sports broadcasting. Students will be proficient in covering sports and events in a variety of mediums. This course requires hours outside of class and is part of the student's overall grade.

COURSE: ADVANCED JOURNALISM: NEWS BROADCASTING

COURSE NUMBER: H1081A & H1081B
CREDIT: 1 Practical Art
GRADE LEVEL 10-12
REQUIRED: No
FEE: None
PREREQUISITE: Intro to Broadcast Journalism

This course provides students hands-on experience in producing for SMN, a weekly television production. Students will produce a weekly 10-minute broadcast, produce video packages for the broadcast, and are involved in the daily technical aspects of this production. Emphasis is on communication skills among staff members and communication of information to the student body. Skills will focus on speaking, scriptwriting, video camera handling, non-linear editing, interviewing, and storytelling. Students will work with digital editing and graphics programs in the television studio and the journalism lab to create content for SMN. Students are also required to work a predetermined amount of time outside of class for SMN.

COURSE: ADVANCED JOURNALISM: YEARBOOK

COURSE NUMBER: H118A & H118B
CREDIT: 1 Practical Art
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: Intro to Yearbook

Students produce the yearbook by completing assigned spreads on or before set deadlines. Responsibilities include advertising sales, yearbook sales, organizing and editing yearbook pages, drawing layouts, making photo assignments and writing body copy, captions, and headlines to comply with stylebook guidelines. This course can be repeated.

Science (SC)

COURSE: ANATOMY AND PHYSIOLOGY

COURSE NUMBER: H319

CREDIT: .5 Science

GRADE LEVEL: 11-12

REQUIRED: No

FEE: \$15.00 for consumables

PREREQUISITE: General Biology

Physiology and Anatomy is an advanced course that would be beneficial to any student interested in a career in Health Services. Major body systems studied will include integumentary, skeletal, muscular, nervous, blood, cardiovascular, and reproductive. Labs will be a part of each unit including the rat dissection, sheep brain, and sheep heart.

COURSE: AP PHYSICS C: MECHANICS ~~

COURSE NUMBER: H331A & H331B

CREDIT: 1 Science

GRADE LEVEL: 12

REQUIRED: No

FEE: Approximately \$90 AP Exam

PREREQUISITE: Chemistry; completed or current enrollment in Calculus AB

This course is designed to be a first semester college level engineering physics class that will prepare students for the Advanced Placement exam. It is aimed at students interested in pursuing careers in the physical sciences, engineering, medicine, or mechanics. Newtonian mechanics will be covered in depth, and methods of calculus will be used wherever appropriate in formulating physical principles and in applying them to physical problems. A heavy emphasis will be placed on lab experience, and therefore students will be expected to design experiments; observe and measure real phenomena; organize, display, and critically analyze data; analyze sources of error and determine uncertainties in measurement; draw inferences from observations and data; and communicate results, including suggested ways to improve experiments and proposed questions for further study. To succeed in AP Physics, students should have shown above average achievement in both mathematics and science courses throughout high school.

~~ Qualifies for Weighted Grades Designation

COURSE: AP PHYSICS I: ALGEBRA BASED ~~

COURSE NUMBER: H312A & H312B

CREDIT: 1 Science

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$90 AP Exam

PREREQUISITE: Physical Science and completion or current enrollment in Math Analysis

This course is designed to prepare students for a Physics I course in college. It will also be useful for students who want to pursue a career in engineering, medicine, or mechanics. Topics that will be introduced and mastered include scalar and vector quantities, displacement, velocity, acceleration, two-dimensional motion, forces, work, energy, momentum, and circular motion. To succeed in Physics, students should have shown above average achievement in Algebra I, Algebra II and/or Geometry. A very heavy emphasis will be placed on the student's ability to use mathematics to solve word problems. Laboratory experiments will rely on measurements and calculations, and the ability to explain their significance as it relates to the particular concept.

~~ Qualifies for Weighted Grades Designation

COURSE: CHEMISTRY

COURSE NUMBER: H310A & H310B

CREDIT: 1 Science

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: Physical Science and completion or current enrollment in Algebra II

Chemistry is a study of the atomic and molecular structure of matter. Chemical equations, problems, and work in the laboratory are features of this course. Individual investigations are emphasized. Chemistry is desirable for all students who plan to attend college and is essential for those who plan careers in science, medicine, or related technical fields. Students who take Chemistry should have a strong working knowledge of Algebra as emphasis is placed on solving word problems.

COURSE: COLLEGE BIOLOGY ~~

COURSE NUMBER: H3010A & H3010B

CREDIT: 1 Science / Dual credit option available

GRADE LEVEL: 12

FEE: None

PREREQUISITE: General Biology

The purpose of this course is to provide the student with the basic principles of biology. It is a lecture and laboratory course. The course involves a study of concepts in biochemistry, cell biology, genetics, evolution, and ecology. High school science credit is received and with proper enrollment and payment of fees, four hours of credit from Missouri Western State University may be obtained. This is a beginning college course for science and pre-professional majors. Potential students should possess a good high school background of science and English. A laboratory course must be taken concurrently.

~~ Qualifies for Weighted Grades Designation

COURSE: COLLEGE CHEMISTRY ~~

COURSE NUMBER: H311A & H311B

CREDIT: 1 Science / Dual credit option available

GRADE LEVEL: 12

REQUIRED: No

FEE: None

PREREQUISITE: General Chemistry; Math ACT of 22 or \geq B in Math Analysis, and GPA 3.0 or higher

This is a beginning college course for science and pre-professional majors. It provides the basic principles of chemistry and is a lecture and laboratory course that involves a study of basic molecular structure, periodic relationships, and a thermodynamic approach to reaction systems. Students should possess a good background of math and English. A laboratory course must be taken concurrently.

~~ Qualifies for Weighted Grades Designation

COURSE: COLLEGE PHYSICAL GEOGRAPHY ~~

COURSE NUMBER: H334A & H334B

CREDIT: 1 Science / Dual credit option available

GRADE LEVEL: 11-12

FEE: None

PREREQUISITE: None

This introductory course surveys the processes that shape our planet. Topics include: Plate tectonics and mountain building, rivers and oceans, atmospheric circulation, weather and climate, and the amazingly complex relationships between life on Earth and the physical environment. Students will examine the Earth's structure and the fundamental interactions between its systems, i.e. atmosphere, water, landscape and biologic. Students will discuss issues highlighting the interaction of systems and cycles, feedback mechanisms, modes of system change, and the human environment in case studies throughout the course.

COURSE: EARTH AND SPACE SCIENCE

COURSE NUMBER: H325
CREDIT: .5 Science
GRADE LEVEL: 10-12
REQUIRED: No
FEE: None
PREREQUISITE: None

This course will introduce students to basic concepts of the earth including early and current models of Earth. Specific units covered will include composition, plate tectonics, surface characteristics, geologic time and space and history.

COURSE: FORENSIC SCIENCE

COURSE NUMBER: H314
CREDIT: .5 Science
GRADE LEVEL: 11-12
REQUIRED: No
FEE: \$15.00 for consumables
PREREQUISITE: Physical Science and General Biology

Forensic Science is an elective science course that provides an overview of the entire field of Forensic Science. Subject matter covers the Historical Perspective, Career Opportunities, and the specifics of what takes place at a Crime Scene Investigation - along with understanding Physical Evidence. Content is learned through both hands-on and virtual labs, and connecting Case Study analysis to real-world understanding.

COURSE: GENERAL BIOLOGY

COURSE NUMBER: H301A & H301B
CREDIT: 1 Science
GRADE LEVEL: 10
REQUIRED: Yes
FEE: None
PREREQUISITE: None

Students will learn a variety of biological topics including ecology, cells, genetic principles, evolution and the diversity of life. Labs enhancing the material include a dissection survey of various organisms.

COURSE: OCEANOGRAPHY

COURSE NUMBER: H324
CREDIT: .5 Science
GRADE LEVEL: 10-12
REQUIRED: No
FEE: None
PREREQUISITE: None

This course is designed to introduce students to concepts related to the ocean. The physical structures of the ocean floor, the principles of waves and movement, and communities within the ocean will be explored. The origins of the oceans will be investigated and will include an examination of atmospheric influences on the ocean. The effects of human interaction with the ocean will be evaluated and discussed.

COURSE: PHYSICAL SCIENCE
COURSE NUMBER: H300A & H300B
CREDIT: 1 Science
GRADE LEVEL: 9
REQUIRED: Yes
FEE: None
PREREQUISITE: None

Physical Science addresses fundamental concepts of both chemistry (Semester 1) and physics (Semester 2). Chemistry topics of study include classifying matter, changing states of matter, atomic theory, the periodic table, chemical bonding, and acids and bases. Physics topics of study include motion, forces, work, power, energy, the electromagnetic spectrum and properties of waves. The class is lab and inquiry based, with a significant focus on using a lab notebook to document key science learning and to help in the development of scientific critical thinking skills.

COURSE: ZOOLOGY
COURSE NUMBER: H332
CREDIT: .5 Science
GRADE LEVEL: 11-12
REQUIRED: No
FEE: None
PREREQUISITE: Biology with a 70% or higher

The purpose of this course is to introduce the world of animals by studying the different phyla and classes of invertebrates and vertebrates in depth. We focus on the main characteristics of each and identify them based on specimens. We will view slides and also preserved specimens. Dissections should be expected.

PLTW Biomedical Strand

COURSE: HUMAN BODY SYSTEMS (HBS)~~
COURSE NUMBER: H338A & H338B
CREDIT: 1 Science
GRADE LEVEL: 10-12
FEE: None
PREREQUISITE: Principles of Biomedical Science

This is the second course in the PLTW Biomedical Program. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

~~Qualifies for Weighted Grade Designation

COURSE: PRINCIPLES OF BIOMEDICAL SCIENCE (PBS)~~
COURSE NUMBER: H335A & H335B
CREDIT: 1 Science
GRADE LEVEL: 9-12
FEE: None
PREREQUISITE: None

This course is the introductory course in the Project Lead the Way Biomedical Program. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, and infectious diseases. Key biological concepts taught include: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease.

Engineering principles include: the design process, feedback loops, fluid dynamics, and the relationship of structure to function.

~~ Qualifies for Weighted Grades Designation

Social Studies (SS)

Social Studies Department Two-Year Rotation			
School Year	Courses	School Year	Courses
2021-2022 & 2023-2024	History Through Film Criminal Justice	2022-2023 & 2024-2025	Sociology World War II, The Holocaust, and Modern-Day Implications

COURSE: **AMERICAN HISTORY**

COURSE NUMBER: H405A & H405B

CREDIT: 1 Social Studies

GRADE LEVEL: 9

REQUIRED: Yes

FEE: None

PREREQUISITE: None

American History is designed to give the student an increasing understanding and appreciation of their country. After a review of the pre-Civil War History of the early grades, the periods since the reconstruction are emphasized. The tremendous changes in the way of living which have resulted from the modern industrial world and growth of the United States as a world power and its relations and policies in international affairs are given major consideration.

COURSE: **AP COMPARATIVE GOVERNMENT & POLITICS** ~~

COURSE NUMBER: H402

CREDIT: .5 Social Studies

GRADE LEVEL: 11-12

REQUIRED: No - Fulfills Global Studies requirement

FEE: Approximately \$90 AP Exam

PREREQUISITE: None

Students are introduced to fundamental concepts political scientists use to study the processes and outcomes of politics in a variety of country settings. It aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course will cover specific countries and their governments. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. Units of study include: Introduction to Comparative Politics; Sovereignty, Authority, and Power; Political Institutions; Citizens, Society, and the State; Political and Economic Change; and Public Policy.

~~ Qualifies for Weighted Grades Designation

COURSE: **AP PSYCHOLOGY** ~~

COURSE NUMBER: H420A & H420B

CREDIT: 1 Social Studies

GRADE LEVEL: 11-12

REQUIRED: No

FEE: Approximately \$90 AP Exam

PREREQUISITE: None

This college-level introductory psychology course introduces students to the scientific study of behavior and mental processes and exposes them to the psychological facts, principles, and phenomena associated with each of the major psychology subfields: sensation and perception, states of consciousness, motivation and emotion, development, personality, abnormal behavior, and more. They will also learn about the ethics and methods psychologists use.

~~ Qualifies for Weighted Grades Designation

COURSE: AP UNITED STATES GOVERNMENT & POLITICS ~~

COURSE NUMBER: H401

CREDIT: .5 Social Studies

GRADE LEVEL: 11-12

FEE: Approximately \$90 AP Exam

REQUIRED: No – Fulfills Civics requirement

AP United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Units of study include: Constitutional Underpinnings of the United States; Political Beliefs and Behaviors; Political Parties/Interest Groups and Mass Media; Institutions of National Government; Public Policy; and Civil Rights and Civil Liberties.

~~ Qualifies for Weighted Grades Designation

COURSE: AP UNITED STATES HISTORY ~~

COURSE NUMBER: H406A & H406B

CREDIT: 1 Social Studies / Dual credit option available

GRADE LEVEL: 11-12

FEE: Approximately \$90 AP Exam

REQUIRED: No

This course covers the evolution of American civilization from its colonial beginnings to the present. The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship.

~~ Qualifies for Weighted Grades Designation

COURSE: CIVICS

COURSE NUMBER: H400

CREDIT: .5 Social Studies

GRADE LEVEL: 11

REQUIRED: Yes - can also be fulfilled by taking AP United States Government and Politics

FEE: None

PREREQUISITE: None

The primary goal of Civics is to present basic information young citizens need for an understanding of their government—how it operates and their relationship to it. This course will help the student understand what our roles are as American citizens. Specific areas which will be covered in this course are: Federal and State governments, how local governments serve their citizens, electing our leaders, taking part in our political system, citizenship and family, citizenship in school, citizenship in our community, and improving life for all Americans. Special emphasis is given to the Missouri Constitution.

COURSE: COLLEGE WORLD HISTORY ~~

COURSE NUMBER: H425A & H425B

CREDIT: 1 Social Studies / Dual credit option available

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITES: 3.0 GPA and a minimum B- average in previous English Language Arts course

An emphasis is placed on interpreting documents, mastering factual information and writing critical essays. Students refine their analytical abilities and critical thinking skills to understand historical and geographical context, make comparisons across cultures, use documents and other primary sources, and recognize and discuss different interpretations and historical frameworks. This course traces the evolution of World History from prehistory to the present day. World History develops a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. It highlights the nature of changes in international frameworks and their causes and consequences as well as comparisons among major societies. The course emphasizes factual knowledge in conjunction with leading interpretive issues and types of historical evidence and builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage.

~~ Qualifies for Weighted Grades Designation

COURSE: CRIMINAL JUSTICE

COURSE NUMBER: H415A & H415B

CREDIT: .5 Social Studies

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITES: None

This course will explore the criminal justice system in depth with an emphasis on the study of criminal justice as a discipline and career, the rights guaranteed to individuals in the Constitution, the criminal and civil trial processes, and theories of criminal behavior and reform. Students will evaluate criminal behavior in relationship to human behavior through research and analysis.

COURSE: GLOBAL STUDIES

COURSE NUMBER: H416

CREDIT: .5 Social Studies

GRADE: 11

REQUIRED: Yes – can be fulfilled by taking AP Comparative Government and Politics

FEE: None

PREREQUISITE: None

In this course, students will investigate the geography, economics, culture, politics, resources, and relationships of regions of the world that currently influence our global society. Students will come to understand the impact that the actions of individual countries can have on the world through the examination of issues shaping the world. In addition, students will come to understand the impact of the individual in our ever-shrinking global society.

COURSE: HISTORY THROUGH FILM

COURSE NUMBER: H417

CREDIT: .5 Social Studies

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: None

Students enrolled in this course will study history through film. They are taught to analyze a film for historical accuracy and purpose. In addition, students examine how films often reflect the times and conditions in which they are made, and conversely, how motion pictures sometimes help shape attitudes and values in society. Understand how films can have very different points of view depending on where they are produced.

COURSE: PSYCHOLOGY

COURSE NUMBER: H408A & H408B

CREDIT: 1 Social Studies

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is designed to increase student understanding of the science of psychology, its methods, and theories. Psychology is the study of the mind and behavior. The course will explore the psychological facts, principles, and phenomena within the major subfields of the study. It is hoped that the knowledge of psychological inquiry will provide perceptions of the world around us, produce insights into one's own and other's behavior, and give an appreciation for the complexity of the human mind. The students will delve into topics of the brain, human development, motivation, emotion, and memory. We will continue moving through the subfields of Psychology as we study personality, abnormal psychology, and states of consciousness. From these topics, we will try to understand the complexity of psychological disorders and treatments. We will also gain a greater understanding of human consciousness; such as the effects of psychoactive drugs, sleep, dreaming, and hypnosis.

COURSE: SOCIOLOGY

COURSE NUMBER: H410

CREDIT: .5 Social Studies

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: None

Sociology is a study of human relations with emphasis on groups and institutions. Basic social problems with their historical backgrounds are included. Crime, delinquency, social welfare, racial relations, slums and other social problems that develop from living in a complex, changing society are studied.

Not in course rotation for 2021-2022 school year

COURSE: WORLD HISTORY

COURSE NUMBER: H403A & H403B

CREDIT: 1 Social Studies

GRADE LEVEL: 10
REQUIRED: Yes
FEE: None
PREREQUISITE: None

The objectives of studying World History are to help students learn the major events and ways of life of the past; recognize similarities and differences among nations, governments, and people; recognize patterns in the rise and fall of civilizations, groups and nations; relate the past to the present; and to develop study skills.

COURSE: WORLD WAR II, THE HOLOCAUST AND MODERN-DAY IMPLICATIONS

COURSE NUMBER: H323

CREDIT: .5 Social Studies

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITES: None

This course will examine one of the most brutal times in world history. World War II saw an immediate threat for the world on the brink of dictatorship control. This course will examine the causes and effects of World War II. It will also dig deep into the Holocaust and discuss how World War II was a prelude to modern day events.

Not in course rotation for 2021-2022 school year

World Languages (WL)

French

COURSE: **FRENCH I**

COURSE NUMBER: H500A & H500B

CREDIT: 1 World Language

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

French I is an introduction to the basic structure of the language with a focus on the elementary written form, comprehension of the language when spoken, and pronunciation of studied words and phrases. To facilitate this language study, basic grammar, vocabulary, and culture will be learned.

COURSE: **FRENCH II**

COURSE NUMBER: H501A & H501B

CREDIT: 1 World Language

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: C average or better in French I.

French II is an extension of French I. Oral and written work expands to include future and past tenses and more advanced grammar forms. Students learn to converse comfortably and listen to the spoken language for the main message. Students will be able to explain how to get around, both in future, present, and past tense. Students continue the study of everyday life, customs, and culture of French-speaking countries

COURSE: **FRENCH III ~~**

COURSE NUMBER: H502A & H502B

CREDIT: 1 World Language / Dual credit option available

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: B average or better in French II.

Fluency in intermediate oral and written French is a primary aim of this course. Students will read and view a wide selection of French materials including newspapers, magazines, comics, contemporary and classical literature, films. Grammar in action and vocabulary expansion occur as the students discuss, in the language, their classroom assignments.

~~ Qualifies for Weighted Grades Designation

COURSE: **FRENCH IV ~~**

COURSE NUMBER: H503A & H503B

CREDIT: 1 World Language / Dual credit option available

GRADE LEVEL: 12

REQUIRED: No

FEE: None

PREREQUISITE: B average or better in French III

In this year, fluency in the oral and written language will be stressed. Studies will include more specific study of French works. Current and classical literature, music and art will be investigated, in addition to current publications and audiovisual materials.

Spanish

COURSE: AP SPANISH LANGUAGE AND CULTURE ~~

COURSE NUMBER: H513A & H513B

CREDIT: 1 World Language / Dual credit option available

GRADE LEVEL: 12

REQUIRED: No

FEE: Approximately \$90 AP Exam

FEE: None

PREREQUISITE: B average or better in Spanish IV

AP Spanish V is intended for students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. Students who enroll should already have knowledge of more complex grammatical structures language, basic knowledge of cultures of Spanish-speaking peoples, and should have attained a reasonable proficiency in using the language.

~~ Qualifies for Weighted Grades Designation

COURSE: BUSINESS SPANISH

COURSE NUMBER: H2093

CREDIT: .5 World Language

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Successful completion of Spanish II (C+ or better)

This course presents topics related to business practices in the Spanish language in a conversational setting. Special vocabulary includes business, trade, banking and administration. Subjects treated include product vocabulary, price inquiries, quotations, offers, orders, complaints, and administrative correspondence.

COURSE: MEDICAL SPANISH

COURSE NUMBER: H2091

CREDIT: .5 World Language

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Successful completion of Spanish II (C+ or better)

This course teaches vocabulary and conversation skills necessary to help Hispanic patients and/or hospital personnel in situations such as admissions, patient care, lab work, emergency room procedures, etc. In addition, increased vocabulary will give students an increased vocabulary related to the many fields within the health sciences.

COURSE: SPANISH I

COURSE NUMBER: H504A & H504B

CREDIT: 1 World Language

GRADE LEVEL: 9-12

REQUIRED: No

FEE: None

PREREQUISITE: None

This course is an intensive study of present tense Latin American Spanish. This program explores basic grammatical structures designed to develop maximum ability in a beginning class. Various cultural studies include Spanish holiday celebrations, Spanish-speaking countries, art, food, diversity and tolerance.

COURSE: SPANISH IA
COURSE NUMBER: H511A & H511B
CREDIT: 1 World Language
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

This course is an extended study of present tense Latin American Spanish. It is a year-long study of the first semester of Spanish I and is intended to be followed by Spanish IB. This program explores basic grammatical structures designed to develop maximum ability in a beginning class. Various cultural studies include Spanish holiday celebrations, Spanish-speaking countries, art, food, diversity and tolerance.

COURSE: SPANISH IB
COURSE NUMBER: H512A & H512B
CREDIT: 1 World Language
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: None

This course is an extended study of present tense Latin American Spanish. It is a year-long study of the second semester of Spanish I and is the follow-up course to Spanish IA. This program explores basic grammatical structures designed to develop maximum ability in a beginning class. Various cultural studies include Spanish holiday celebrations, Spanish-speaking countries, art, food, diversity and tolerance.

COURSE: SPANISH II
COURSE NUMBER: H505A & H505B
CREDIT: 1 World Language
GRADE LEVEL: 9-12
REQUIRED: No
FEE: None
PREREQUISITE: C average or better in Spanish I.

This course intensifies Spanish I studies. Spanish II is designed to develop reading, writing, listening, and speaking. Students will expand to past and future tense and more complex grammatical structures. Cultural studies are also increased as the students study Latin America culture and history, comparing Europe and Latin America.

COURSE: SPANISH III ~~
COURSE NUMBER: H506A & H506B
CREDIT: 1 World Language / Dual credit option available
GRADE LEVEL: 10-12
REQUIRED: No
FEE: None
PREREQUISITE: B average or better in Spanish II

Upper Intermediate level language ability in the written and oral language will be a goal. Textbook studies will be augmented by reading and by oral selections from literature, guest speakers, audiovisual materials and periodicals. Students will perform class work and projects in Spanish.

~~ Qualifies for Weighted Grades Designation

COURSE: SPANISH IV ~~
COURSE NUMBER: H507A & H507B
CREDIT: 1 World Language / Dual credit option available
GRADE LEVEL: 11-12
REQUIRED: No
FEE: None
PREREQUISITE: B average or better in Spanish III

Fluency in spoken and written language will be encouraged. Classes will begin with brief presentations in Spanish from students as a portion of the daily lesson. Current and classical literature, music, and art of the Spanish culture will be explored. Current periodicals and audio-visual materials from Spanish speaking countries will be used as instructional aids for classroom instruction. Projects and class work will be conducted in the Spanish language

~~ Qualifies for Weighted Grades Designation

COURSE: SPANISH CULTURE, COMPREHENSION AND CONVERSATION
COURSE NUMBER: H517A & H517B
CREDIT: 1 World Language
GRADE LEVEL: 10-12
REQUIRED: No
FEE: None
PREREQUISITE: Successful completion of Spanish II (C+ or better)

This course is a Spanish elective which focuses on acquiring Spanish and learning more about the Spanish culture. It is an alternative for students who want to continue learning Spanish, but don't want the pressure of a weighted, dual credit program as the course will emphasize the practice of everyday conversational Spanish versus formal academic language. This course can be repeated as the content will change each semester.

Northland Career Center

Northland Career Center (NCC) offers both morning and afternoon sessions. Students need to check with their counselor to determine the number of credits needed to graduate and additional courses recommended. Student selection for the Northland Career Center is based on successful completion of prerequisites, good school attendance, grade point average, standardized test scores and an interest in career and technical education. Upon successful completion of a program, the student will receive a certificate.

Apprenticeship

After meeting eligibility requirements students may receive advanced placement on the beginning wage scale upon admission to one of several apprenticeship programs.

College Credit

Students may earn from college credit after successful completion of designated programs. Credit varies by program. Visit northland.plattecountyschooldistrict.com or contact NCC at (816) 858-5505 for details.

Program Options

COURSE: AGRICULTURAL SCIENCES – ANIMAL SYSTEMS

COURSE NUMBER: H1634A & H1634B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: Algebra I, Basic Science and 10th grade reading level

AM only. This course exposes students to agriculture, animal systems, and related career options. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Students will consider the perceptions and preferences of individuals within local, regional and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that veterinarians, zoologists, livestock producers, and industry personnel face in their respective careers. In addition, students will understand specific connections between animal science lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

COURSE: AGRICULTURAL SCIENCES – PLANT SYSTEMS

COURSE NUMBER: H1627A & H1627B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: Algebra I, Basic Science and 10th grade reading level

PM only. This course provides a foundation of plant systems knowledge and skills. Student experiences include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry and horticultural industries. Students will discover the value of plant production and its impact on the individual, local and global economies. Students will work on major projects and problems similar to those that horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists face in their respective careers. Students will understand specific connections between the course's lesson and Supervised Agricultural Experience and FFA components of agricultural education programs. Students will improve investigative, experimental and communication skills. This course is intended to build a foundation on the Introduction to Agriculture, Food and Natural Resources course. The course is structured to enable all students to have a variety of experiences that will provide an overview of the plant industries.

COURSE: AVIATION TECHNOLOGY I
COURSE NUMBER: H1628A & H1628B
CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math
GRADE LEVEL: 11-12
PREREQUISITES: Mechanical Aptitude, 12th grade reading level

This is the first of a two-year program. Instruction will include basic concepts in avionics, aircraft blueprints and drawings, aircraft structure and composition, aircraft sheet metal and welding, aircraft systems and components, and safety and human factors.

COURSE: AVIATION TECHNOLOGY II
COURSE NUMBER: H1659A & H1659B
CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math
GRADE LEVEL: 12
PREREQUISITES: Complete Aviation Technology I with a minimum of a C

This is the second part of a two-year program and prepares students for continued education towards an Associate's Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following program completion. Internship opportunities are available for qualified candidates.

COURSE: CONSTRUCTION TECHNOLOGY I
COURSE NUMBER: H1600A & H1600B
CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math
GRADE LEVEL: 11-12
PREREQUISITES: Ability to read a tape measure, add and subtract fractions, calculate dimensions in feet and inches; work at various heights, able to lift 25 pounds and 11th grade reading level

This competency-based program teaches skills and theory related to the building trades industry. Areas of study include framing, leveling, blueprint reading, building plans, specifications and codes, footings and foundations, and sheetrock hanging. Student must pass a safety test to work around hand and power tools. Students are required to provide their own boots and clothing for working in hot and cold weather.

COURSE: CONSTRUCTION TECHNOLOGY II
COURSE NUMBER: H1601A & H1601B
CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math
GRADE LEVEL: 12
PREREQUISITES: Complete Construction Technology I with a minimum of a C

The program provides advanced instruction on the construction of a building which may include areas mentioned in Construction Technology I as well as rough framing, grading and measuring lumber, safety, and scaffolding work. Commercial construction will be introduced including the use of metal studs and the differences in building codes and techniques. The completion of course will provide opportunities for employment in residential or commercial construction.

COURSE: CULINARY ARTS I
COURSE NUMBER: H1605A & H1605B
CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math
GRADE LEVEL: 11-12
PREREQUISITES: Able to lift 50 pounds from the floor to a table; access to internet at home, 9th grade math level; 12th grade reading level

The focus of study will be food service terminology, equipment identification and use, knife skills, basic food preparation, sanitation and safety. These skills and knowledge will lead to preparation methods for stocks, soups and sauces. Students will receive hands-on experience through assuming the role of steward (pot/dishwasher) and cooks' helper in the pre-preparation of meals. An understanding of

multiplication, division, addition and subtraction of fractions and decimals, percent, and volume and weight measurement are essential.

COURSE: CULINARY ARTS II

COURSE NUMBER: H1606A & H1606B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Culinary Arts I with a minimum of a C

Students will continue to gain hands-on experience with the preparation of daily meals consumed by students, staff and guests. Emphasis will be on plate presentations, preparation and timing. Breakfast cookery, vegetables, starches and meats will be the focus of class work. Students will complete a nationally recognized sanitation exam. Successful completion of this course will prepare students for entry-level positions in full-service restaurants, hotels and continued education in a Culinary Apprenticeship program at the post-secondary level.

COURSE: DIESEL TECHNOLOGY I

COURSE NUMBER: H1607A & H1607B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: Mechanical Aptitude, 12th grade reading level

This is the first year of a two-year program. Instruction will include a basic concept of diesel engine theory, general shop safety practices, basic hand tools, common fasteners, shop equipment, precision measuring devices, and identifying, assembling and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance and electrical systems are studied and related activities performed.

COURSE: DIESEL TECHNOLOGY II

COURSE NUMBER: H1626A & H1626B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Diesel Technology I with a minimum of a C

This is the second year of a two-year program. Instruction includes a study of troubleshooting and tune-up procedures. Powertrains, air and hydraulic brakes, basic hydraulics, steering and suspension systems are included in this course. An introduction to welding and automotive air conditioning basic theory helps round out the students' knowledge.

COURSE: ESSENTIAL SKILLS AWESOME CAREERS

COURSE NUMBER: H3311A & H311B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE: 10

PREREQUISITES: 9th grade math level, mechanical aptitude

AM only. Students will learn technical concepts in the area of safety, tools, electrical concepts, mechanical concepts, troubleshooting, precision measurement, blueprints and drawings, and project work in technical careers. Students will begin to explore technical careers in the career clusters of architecture and construction, manufacturing, and transportation and logistics. As the year progresses, the main focus will be on additional connections with electrical concepts and precision measuring. Northland Career Center offers students the opportunity to work with state-of-the-art equipment and gain valuable experiences. Taking this course will lead to opportunities to take any one of six technical courses at Northland Career Center (Aviation Technology, Construction Technology, Diesel Technology, Heating, Cooling, & Climate Control, Industrial Welding, and Production Technologies).

COURSE: HEALTH SCIENCES I

COURSE NUMBER: H1612A & H1612B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

FEE: Cost of uniform and name tag

PREREQUISITES: Must pass state criminal background and employee disqualification check; TB test and results required; hepatitis vaccination, 10th grade reading level, knowledge in basic science, and positive people skills encouraged.

Health Sciences I is a one- or two-year program that teaches students basic health care, CPR, anatomy, common disorders and introduction to medical terminology. The students will explore a variety of careers in the health field including radiology, physical therapy, veterinary, dietary, respiratory therapy, medical records, dentistry, etc., to enable students to make an informed decision about a career in health care. They will spend two weeks at a nursing home chosen by the instructor. At the end of the first semester there is a written and performance test. If a student does not achieve a 60% on the performance test, they will not be recommended to return second semester. Due to the nature of off-site work; attendance, behavior, and academic policies are strictly followed. Students must have a "C" average or be recommended by the instructor to return for the second semester. Second semester, students spend ten weeks in clinical sites and at this point must provide their own transportation. Students desiring to earn their Certified Nursing Assistant Certification (CNA) will work/volunteer at a long-term care facility. Students that do not want to earn their CNA will need to find work or volunteer experience at a health care facility. Students have the opportunity to take the Certified Nursing Assistant state test.

COURSE: HEALTH SCIENCES II

COURSE NUMBER: H1613A & H1613B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Health Sciences I with a minimum grade of 80%

Health Sciences II will include medical terminology, school to work and enhancement of their knowledge in their chosen field. Second quarter the students will participate in a health career internship in a long-term health care facility or a health care facility of their choice which involves 4 days on the job and 1 day in the classroom. The students will be responsible for documenting their clinical internship hours for their instructor. Students that receive pay for work must provide 20 hours of documentation. Students that volunteer must provide 12 hours of documentation. Students must provide their own transportation beginning the second quarter.

COURSE: HEATING, COOLING AND CLIMATE CONTROL I

COURSE NUMBER: H1614A & H1614B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: College reading level, algebra, physics, drafting, physical science and an understanding of basic electricity are recommended

This program provides competency-based instruction and teaches skills and theory relating to air conditioning, refrigeration and heating. Topics include occupational safety, hand and special tools, tubing applications, soldering, welding and brazing, basic mechanical refrigeration, EPA regulations, refrigerants, recovery, recycling and reclamation, evacuating, pressurizing, leak testing and charging. Fundamentals of electricity, electrical power, circuits, symbols and diagrams, transformers and relays, thermostats, electric motors, capacitors, troubleshooting ACR system electrical circuits, and ACR wiring diagrams will also be covered. Operation and service of electrical and mechanical components will be applied to commercial and domestic systems. The first part of a two-part program, students will develop entry-level skills for employment in a variety of related fields.

COURSE: HEATING, COOLING AND CLIMATE CONTROL II

COURSE NUMBER: H1615A & H1615B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Heating, Cooling and Climate Control I with a minimum of a C

Competency based skills and theory relating to air conditioning, refrigeration and heating will be presented. The ability to diagnose mechanical and electrical failure will be developed, along with extensive use of equipment and troubleshooting of domestic and commercial systems. Domestic refrigerator, freezer and window air conditioner service, including mechanical components and functions, electrical components and control devices, domestic ice maker and window air conditioner service will be covered. Psychrometrics for residential and commercial HVACR, standard and high efficiency gas fired furnaces, electrical heating and cooling systems, heat pumps, customer relations and service operations will be presented. Upon completion the student will have developed skills and competencies for entry level employment in related fields including commercial and residential service, as well as, continued education in the industry field.

COURSE: INDUSTRIAL WELDING I

COURSE NUMBER: H1616A & H1616B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: 9th grade math level, 12th grade reading level and previous drafting classes recommended

The program covers basic competencies and skills in flame cutting, fusion welding, oxygen-acetylene and shielded metal arc welding on carbon steel. Safety, blueprint reading and terminology are also included to help students gain a foundation for entry-level employment.

COURSE: INDUSTRIAL WELDING II

COURSE NUMBER: H1617B & H1617B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Industrial Welding I with a minimum of C

Competencies and skills in fabrication techniques, advanced shielded metal arc welding, plasma arc cutting and gas tungsten arc welding on carbon steel, aluminum, and stainless steel are covered. Further study of blueprint reading, welding symbols and basic metallurgy will prepare students for the American Welding Society (AWS) certification test which is administered annually.

COURSE: IT PROFESSIONALS I

COURSE NUMBER: H1603A & H1603B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: Keyboarding or equivalent; 10th grade writing and math levels; strong aptitude in computer applications, communications and comprehension; and 12th grade reading level

First year students will concentrate on Hardware, Software, and Networking. This includes computer repair and troubleshooting PC's and operating systems. Students will work towards earning their Comptia A+ Certification. Students will also cover networking and learn basic Cisco router and switch configurations and protocols. Students have access to work on their skills 24/7 through the "TestOut" website. Due to the rigorous pace and content, it is recommended that students have a strong interest and aptitude in the computer industry, have good study habits, and be able to work independently. This can be a one- or two-year program.

COURSE: IT PROFESSIONALS II

COURSE NUMBER: H1604A & H1604B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete IT Professionals I with a minimum of a C

Second year students will learn advanced networking with servers, routing, and switching configurations for Local Area Networks and Wide Area Networks. These students are working toward their certification in Comptia Network+. Students that have achieved their Network+ Certification will have the option of taking the Security+, Server+, or the CCNA Certification for Cisco. Students have access to work on their skills 24/7 through the "TestOut" website.

COURSE: LAW ENFORCEMENT/CRIME SCENE INVESTIGATION I

COURSE NUMBER: H1618A & H1618B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: 10th grade reading level, general understanding of algebra and geometry concepts, and an interest in science, law and the social rule.

LE/CSI introduces the criminal justice system with emphasis on crime scene investigation. Topics covered are crime scene and accident investigation, professional ethics and leadership, US Constitutional Law and Missouri Criminal Code. The class is designed for those interested in pursuing careers in law, public safety, corrections, security, and crime scene investigation.

COURSE: LAW ENFORCEMENT/CRIME SCENE INVESTIGATION II

COURSE NUMBER: H1619A & H1619B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Law Enforcement/Crime Scene Investigation I with a minimum of a C

LE/CSI II provides second year students with a more in depth understanding of the criminal justice system and how it is applied to the everyday work force with an emphasis on crime scene investigation. Students will learn US Constitutional Law and its applications to the criminal justice system as a social rule.

COURSE: PRODUCTION TECHNOLOGIES I

COURSE NUMBER: H1630A & H1630B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: 9th grade math level, mechanical aptitude and 12th grade reading level

This two-year program allows students to earn dual credit and/or certification in a variety of areas related to the manufacturing industry such as: CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, and Welding. Cutting edge technology has changed the way products are manufactured and have increased the need for specialized careers in the development and maintenance of the computers/machines that produce the goods we use on a daily basis. This program utilizes lab spaces and equipment to assist students in choosing a career that is right for them.

COURSE: PRODUCTION TECHNOLOGIES II

COURSE NUMBER: H1633A & H1633B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Production Technologies I with a minimum of a C.

Second year curriculum continues to focus on cutting edge technology in the manufacturing industry. Students will go more in-depth into the processes and controls of CNC equipment, electrical concepts, thermodynamics, robotics, and lean manufacturing and more.

COURSE: TEACHING PROFESSIONS I

COURSE NUMBER: H1610A & H1610B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 11-12

PREREQUISITES: Pass background check through Family Care Registry, obtain TB test, and 12th grade reading level

This course offers training and observation of students at licensed child care centers, preschools, and local public schools through the 8th grade. It is highly recommended that students have their own transportation. Attendance, behavior, and academic policies are strictly followed. Unless the student has made other arrangements, first year students will be placed at an observation site close to NCC. Students can earn 169 hours of observation time. Activities will include lesson planning and implementation coursework including: child development, child health, safety, nutrition, learning environments, approaches to learning, CPR & First Aid training, and employability skills. Students must have a "C" average or recommendation from the instructor to return at second semester.

COURSE: TEACHING PROFESSIONS II

COURSE NUMBER: H1611A & H1611B

CREDIT: 3.5 Elective, .5 English Language Arts and .5 Technical Math

GRADE LEVEL: 12

PREREQUISITES: Complete Teaching Professions I with a minimum of a C and 12th grade reading level.

Second year students continue to gain a greater depth of child development, child health, safety and nutrition, learning environments, approaches to learning, and employability skills. Students learn to teach, utilize lesson plans, develop curriculum, and classroom management skills. Students must complete their off-site training at preschools and/or local public schools through the 8th grade. 312 hours of observation time may be earned. Completion of the two-year program offers students the opportunity to earn their Child Development Associate Credential or their Youth Development Credential, which requires 480 observation hours. The Child Development Certification allows students to be lead teachers at the preschool level. Only students meeting competency, behavior, and attendance requirements may participate in a volunteer or paid internship.

Northland Center for Advanced Professional Studies



Northland Center for Advanced Professional Studies (Northland CAPS) provides high school students in the Northland with a professional, innovative and entrepreneurial education through full immersion in high demand/high skill careers. Northland CAPS students solve real world problems, using business standard software, equipment and are mentored by real employers. Students gain experience working with real businesses, assisting and learning through meaningful projects. Early career professional skills like project management, creativity, business ethics, teamwork and time management are instructed, role modeled and measured. Learning at Northland CAPS is real-time, real-world and hands-on. Emphasis is placed on developing professional skills, such as communication and collaboration, which employers deem highly important to individual success. Northland CAPS is open to students from the school districts of: Excelsior Springs, Kearney, Lathrop, Lawson, Liberty, North Kansas City, Park Hill, Platte County and Smithville.

Students in the Northland CAPS program meet for 2.5 hours, every day, either in the morning or afternoon, securing high school credit and college credit. Northland CAPS courses are facilitated by a certified instructor and are located at the business partner site, e.g. Holland 1916, North Kansas City Hospital, Cerner, Ford Motor Company, Reece & Nichols, Mosaic Life Care, Arvest Bank, Alpha Graphics, J. Price Architecture. Students gain access to high demand/high skill careers working with professionals every day. Learning is driven by the business partner projects, resulting in highly engaged and motivated students. Formal instruction is minimal due to the fact that learning occurs in real-time, while students collaborate across teams and subject areas to complete a project goal. For a complete list of the 200+ business partners and more information about the program, visit the Northland CAPS website at www.northlandcaps.org.

College Credit

Northland CAPS students have access to dual credit opportunities. Credit varies by program. Visit the Northland CAPS website or call NCC at (816) 977-8111 for details.

Northland CAPS Courses

COURSE: **CAPS BUSINESS ACCELERATOR~~**

COURSE NUMBER: H1657 & H1657B

CREDIT: 3 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

Want to start your own Business? Have an interest in Entrepreneurship? Have some ideas, but not sure where to start? **CAPS Business Accelerator** strand is designed for student associates that are interested in creating a product or service or for those interested in continuing to operate a business. Associates will learn the design process, complete a market feasibility study, meet with mentors and create a pitch for their idea to potential customers or investors. Students are provided with the opportunity to develop a business plan, research marketing strategies and funding sources as well as begin developing your business creating that entrepreneurial mindset. Additionally, an associate will review the challenges and rewards of business management and entrepreneurial careers as well as the strategies necessary to accomplish such choices.

COURSE: CAPS DIGITAL MEDIA AND DESIGN~~

COURSE NUMBER: H1659 & H1660B

CREDIT: 3 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

CAPS Digital Media and Design strand is for the creative/artistic student that is interested in exploring careers in Digital Media. The strand is divided into four sub strands: graphic design, digital photography, video production and audio production. Students will meet professionals for each sub strand, work with using professional tools and computer programs, apply skills and techniques on the latest professional editing software and learn the different concepts and professional skills which coincide with different professions. Some career paths of those in this field are: animator, logo designer, digital photographer, sound and mixing engineers, theater performance, video editor, camera operator and director.

~~ Qualifies for Weighted Grades Designation

COURSE: CAPS ENGINEERING AND ADVANCED MANUFACTURING~~

COURSE NUMBER: H1656 & H1656B

CREDIT: 3 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

CAPS Engineering and Advanced Manufacturing course is designed for students who are interested in working hands-on to produce products; developing solutions to complex problems; learning 2D and 3D software programs; and gaining professional skills. Students should be willing to explore different types of engineering and manufacturing positions. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multidisciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/computer, architectural, advanced manufacturing, robotics, biological, and environmental.

~~ Qualifies for Weighted Grades Designation

COURSE: CAPS GLOBAL BUSINESS AND LOGISTICS~~

COURSE NUMBER: H1658 & H1658B

CREDIT: 3 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

CAPS Global Business and Logistics course is designed for students who are interested in an ever-changing world, where business and marketing decisions must adapt to the global economy, many times resulting in global expansion of the business. Students partner with local, regional, national, and international businesses to produce marketing plans, advertising and promotional plans, customer research, social media plans, event management, and strategic plans. Students will be introduced to domestic and global business operations, economic and cultural factors, political systems, and a survey of marketing within the global economy. Students will experience working with mentors and businesses that organize, plan and manage people, facilities, and supplies. You will learn a set of skills that will allow you to effectively streamline the flow of materials, finances, and information for a company.

~~ Qualifies for Weighted Grades Designation

COURSE: CAPS MEDICINE AND HEALTHCARE~~

COURSE NUMBER: H1654 & H1654B

CREDIT: 3 Science

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

CAPS Medicine and Healthcare course fully immerses students in North Kansas City Hospital and Liberty Hospital providing unprecedented access to real world experiences in the dynamic field of medicine and healthcare. Alongside some of the region's most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and provide an exploration of many career opportunities in healthcare. In the classroom, students will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem-solving skills. Students will receive certification in CPR and AED and complete a CAPStone project for the semester, connecting to mentors in their area of interest to develop a project that is real, relevant, and of service to the community or business partner.

~~ Qualifies for Weighted Grades Designation

COURSE: CAPS TECHNOLOGY SOLUTIONS~~

COURSE NUMBER: H1655 & H1655B

CREDIT: 3 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: None

PREREQUISITE: None

CAPS Technology Solutions strand is ideal for students who are interested in developing the professional and technical skills required to forge forward in exploring all areas of technology. Immerse yourself in a professional environment while you tackle and solve real-world problems using a vast array of technology skills. Students interested in technology will perform real world projects for clients utilizing the expertise of diverse guest instructors, mentors and business partners. Strong emphasis is placed on software engineering skills such as programming methodology and problem solving using multiple languages, algorithm design and development, data abstraction and well-documented programming, testing and debugging. Students interested in design will create a wide array of digital assets in a profession-based learning environment, which provides opportunities to collaborate with mentors and business clients.

~~ Qualifies for Weighted Grades Designation