

Smithville High School



2019-2020 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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Ms. Karen Johnson (A-F)

Ms. Tara Anderson (G-N)

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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.

Smithville R-II School District Graduation 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; 1 credit other English Language Arts elective</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 Science elective</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	Personal Finance
9	Electives

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

Speech requirement can be fulfilled through ELA III (1 cr), Beginning Forensics and Debate (1 cr), or the combination of Intro to Business (.5 cr) and Entrepreneurship (.5 cr).

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

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.**

Smithville R-II School District “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 of the following: Contemporary World Literature/Contemporary Women’s Literature,, British Literature, Composition/Rhetoric, AP Literature and Composition, Media Literacy and Research, or Literature of Social Change</i>
4	Mathematics <i>Algebra I, Geometry, Algebra II, AP Statistics, Math Analysis, College Algebra, Freshman Algebra II, College Prep Math, AP Calculus AB, AP Calculus BC</i>
4	Science <i>Physical Science, Biology, Chemistry OR Physics, and one Science elective (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 1 other Social Studies electives</i>
1	Fine Art
2	Foreign Language
1	Practical Art
1	Physical Education
.5	Health
.5	Speech
.5	Personal Finance
6.5	Electives

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

Speech requirement can be fulfilled through ELA III (1 cr), Beginning Forensics and Debate (1 cr), or the combination of Intro to Business (.5 cr) and Entrepreneurship (.5 cr).

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 to be eligible to participate in the Commencement program: Algebra I, English Language Arts II, Biology and Government.

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 failed that have been failed with 41%-59%. This program cannot be utilized to graduate early.**

Graduation Requirements for Special Education Students

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*:

Advanced Placement Language and Composition
Advanced Placement Literature and Composition
Advanced Placement Biology
Advanced Placement Calculus AB
Advanced Placement Calculus BC
Advanced Placement Statistics
College Chemistry
College Physical Geography
Principles of Biomedical Science
Human Body Systems
Advanced Placement Physics
Advanced Placement Comparative Government
Advanced Placement US Government and Politics
Advanced Placement Psychology
Advanced Placement United States History
College World History
Spanish III
Spanish IV
Advanced Placement Spanish Language and Culture
French III
French IV
Animal Science
Introduction to Engineering Design (IED)
Principles of Engineering (POE)
Digital Electronics (DE)
Civil Engineering and Architecture (CEA)
Engineering Design and Development (EDD)
CAPS

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

Smithville High School 2019-2020 AP & Dual Credit Classes

AP English Language & Composition 11 th Grade	ENG 104, College Writing & Rhetoric, Missouri Western State Univ. (sem. 1) ENG 108, College Writing & Research, Missouri Western State Univ. (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
AP English Literature & Composition 12 th Grade	Not offered for dual credit (Students must earn a 3 or higher on the AP exam to receive college credit)	N/A
AP United States History 11 th – 12 th Grade	HIST 101, American History to 1877, Missouri State University (sem. 1) HIST 102, American History 1877 to Present, Missouri State University (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
College World History 10 th -12 th Grade	HIST 206, World History to 1600, Missouri State University (sem. 1) HIST 207, World History from 1600 to the Present, Missouri State University, (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
AP Psychology 11 th -12 th Grade	Not offered for Dual Credit (Students must earn 3 or higher on AP exam for college credit)	N/A
AP United States Government & Politics 11 th -12 th Grade	Not offered for dual credit (Students must earn a 3 or higher on the AP exam to receive college credit)	N/A
AP Comparative Government & Politics 11 th – 12 th Grade	Not offered for dual credit (Students must earn a 3 or higher on the AP exam to receive college credit)	N/A
AP Biology 12 th Grade	BIOL 101, Principles of Biology, Missouri Western State University	4 credit hours
College Chemistry <i>No AP test given for this class</i> 12 th Grade	CHEM 111, General Chemistry I, Missouri Western State University	5 credit hours
College Physical Geography 11 th -12 th Grade	GRY 142 Introduction to Physical Geography, Missouri State University	5 credit hours
AP Physics C: Mechanics 12 th Grade	Not offered for dual credit	N/A
AP Calculus AB 11 th – 12 th Grade	MATH 198, Analytic Geometry & Calculus I, Truman State University	5 credit hours
AP Calculus BC 12 th Grade	MATH 263, Analytic Geometry & Calculus II, Truman State University	5 credit hours
AP Statistics 11 th -12 th	STAT 235, Elementary Statistics, UMKC	3 credit hours
College Algebra <i>No AP test given for this class</i> 11 th – 12 th Grade	MATH 156, College Algebra, Truman State University	3 credit hours
Math Analysis <i>No AP test given for this class</i> 11 th – 12 th Grade	MATH 186, Pre-Calculus, Truman State University	3 credit hours
Spanish III <i>No AP test given for this class</i> 10 th – 12 th Grade	SPN 101 Elementary Spanish I, Missouri State University (sem. 1) SPN 102 Elementary Spanish II, Missouri State University (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
Spanish IV <i>No AP test given for this class</i> 11 th – 12 th Grade	SPN 201 Intermediate Spanish I, Missouri State University (sem. 1) SPN 202 Intermediate Spanish II, Missouri State University (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
AP Spanish Language & Culture 12 th Grade	SPA 280, Special Intermediate Spanish Topics I, UMKC	3 credit hours
French III <i>No AP test given for this class</i> 11 th -12 th Grade	FRN 101, Elementary French I, Missouri State University (sem. 1) FRN 102, Elementary French II, , Missouri State University (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
French IV <i>No AP test given for this class</i> 12 th Grade	FRN 201, Intermediate French I, Missouri State University (sem. 1) FRN 202, Intermediate French II, , Missouri State University (sem. 2)	3 credit hours (S1) 3 credit hours (S2)
Leadership <i>No AP test given for this class</i>	PDEV 289, Introduction to Leadership Development, Drury University	3 credit hours
Animal Science	AGS101 Animal Science, Missouri State University	4 credit hours
Equine Science	AGS161 Equine Science, Missouri State University	3 credit hours
PLTW Courses	A score of 6 or higher on EOC exam qualifies students to earn college credit through University of Iowa	3 credit hours per course

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	3	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
Foreign Language	0	2	2 Credits of the same language	Strongly Recommended	0
Electives	9	7	--	7 3 Credits from Foreign Language and/or core subject areas	9
Additional	.5 Health and .5 Personal Finance	.5 Health and .5 Personal Finance	Appropriate class rank & SAT/ACT scores	.5 Health and .5 Personal Finance Truman State University requires 2 yr. Foreign Language	.5 Health and .5 Personal Finance --

Online Learning

Northland School District Consortium

Smithville High School is excited to introduce an opportunity for students to experience an online learning program offered in partnership with Northland School District Consortium.

All courses are available to access 24 hours a day, seven days a week from any computer with internet access. A course management platform, will be used for virtual course delivery. Teachers and students will interact through discussion boards, instant messaging and email. Online courses may be taken during regular school hours or remotely from home. If a course is taken remotely and it shows on your schedule during 1st-4th block, transportation to and from school is the responsibility of the student and parents/guardians.

If you are interested in participating in this online learning opportunity, visit your Counselor today! For the course descriptions please review the Course Offerings section. Space is limited and priority is given to Seniors, based on GPA.

<p style="text-align: center;">2019-2020 Online Course Offerings</p> <p style="text-align: center;">Accounting I/II* <i>Business – page</i></p> <p style="text-align: center;">ACT Preparation* <i>General Elective – page 48</i></p> <p style="text-align: center;">Contemporary World Literature* Contemporary Women’s Literature* <i>English Language Arts – page 14</i></p> <p style="text-align: center;">Marine Science <i>Science – page 21</i></p> <p style="text-align: center;">Self-Development* <i>Family and Consumer Science – page 51</i></p> <p><i>*Taught by Smithville High School Instructors</i></p>

MO CAP

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

Northland Center for Advanced Professional Studies (CAPS)



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: Kearney, Liberty, North Kansas City, Park Hill, Platte County and Smithville.

NORTHLAND CAPS OVERVIEW

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 www.northlandcaps.org.

2019-2020 Northland CAPS Course Offerings

Digital Media and Design
Northland CAPS – page 38

Engineering and Advanced Manufacturing
Northland CAPS – page 38

Global Business and Logistics
Northland CAPS – page 38

Medicine and Healthcare
Northland CAPS – page 39

Technology Solutions
Northland CAPS – page 39

Course Offerings

English Language Arts

COURSE: ENGLISH LANGUAGE ARTS I

CREDIT: 1 English Language Arts

GRADE LEVEL: 9

REQUIRED: Yes

PREREQUISITE: None

English Language Arts I asks students to 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

CREDIT: 1 English Language Arts

GRADE LEVEL: 10

REQUIRED: Yes

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 (completion of both semesters fulfills Speech requirement)

CREDIT: 1 English Language Arts

GRADE LEVEL: 11

REQUIRED: Students must take English Language Arts III or AP English Literature and Composition to meet the 11th Grade English requirement.

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

CREDIT: 1 English Language Arts

GRADE LEVEL: 12

REQUIRED: Students are required to have four ELA credits and this course fulfills the fourth credit.

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: ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION ~~

CREDIT: 1 English Language Arts/3 college credits in a freshman level English class

GRADE LEVEL: 11 only

REQUIRED: Students must take English Language Arts III or AP English Language and Composition to meet the 11th Grade English requirement.

PREREQUISITE: Completion of English Language Arts II with a B- average or better and a 3.0 GPA. Passing score on the Accuplacer test is needed to enroll in dual credit.

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: ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION ~~

CREDIT: 1 English Language Arts/3-6 college credits [dependent on High School-College Partnership] in an English humanities class (for those who took AP Language) or a freshman level English class (for those who took ELA III).

GRADE LEVEL: 12 only

REQUIRED: No

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. It is the expectation students will take the AP English Literature & Composition exam in May. *~~ Qualifies for Weighted Grades Designation*

COURSE: FUNDAMENTALS OF SPEECH

CREDIT: .5 English Language Arts

GRADE LEVEL: 11

REQUIRED: Yes

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

CREDIT: .5 English Language Arts

GRADE LEVEL: 11-12

REQUIRED: No

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: CREATIVE WRITING
CREDIT: .5 English Language Arts
GRADE LEVEL: 10-12
REQUIRED: No
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: ADVANCED CREATIVE WRITING
CREDIT: .5 English Language Arts
GRADE LEVEL: 10-12
REQUIRED: No
PREREQUISITE: Completion of Creative Writing with a B - average or better and recommendation from Creative Writing instructor.

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: BEGINNING DEBATE AND FORENSICS
CREDIT: 1 English Language Arts (completion of both semesters fulfills Speech requirement)
GRADE LEVEL: 9-12
REQUIRED: No
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: ADVANCED DEBATE AND FORENSICS
CREDIT: 1 English Language Arts
GRADE LEVEL: 10-12
REQUIRED: No
PREREQUISITE: Successful completion of Beginning Forensics and Debate, and the debate instructor's signature

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. Students may enroll in Advanced Debate and Forensics for a maximum of three years.

COURSE: LITERATURE OF SOCIAL CHANGE

CREDIT: .5 or 1 English Language Arts

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: None

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 analyses, develop projects, and give thematic presentations.

COURSE: CONTEMPORARY WORLD LITERATURE

CREDIT: .5

GRADE: 11-12

REQUIRED: No

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: CONTEMPORARY WOMEN'S LITERATURE

CREDIT: .5

GRADE: 11-12

REQUIRED: No

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.

Journalism

COURSE: BEGINNING PRINT JOURNALISM/YEARBOOK (SEMESTER 1)

CREDIT: .5 PRACTICAL ART

GRADE LEVEL: 9-12

REQUIRED: Minimum of a B average in English Language Arts.

This course is designed to provide students with the training they need to work for the Smithville yearbook and news 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. This is the prerequisite for Advanced Journalism: Yearbook.

*** This course **does not** count as an English Language Arts Credit

COURSE: BEGINNING BROADCAST/NEWS WRITING (SEMESTER 2)

CREDIT: .5 PRACTICAL ART

GRADE LEVEL: 9-12

REQUIRED: Minimum of a B average in English Language Arts.

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. This is the prerequisite for Advanced Journalism: Smithville Media Network Production.

*** This course **does not** count as an English Language Arts Credit

COURSE: ADVANCED PRINT JOURNALISM/YEARBOOK

CREDIT: .5 or 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: Beginning Journalism/ 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.

*** This course **does not** count as an English Language Arts Credit

COURSE: ADVANCED BROADCAST/NEWS WRITING

CREDIT: .5 or 1 Practical Art

GRADE LEVEL: 10

PREREQUISITE: Minimum of a B average in Beginning Broadcast/News Writing

This course will build upon the skills acquired in 21st Century Media. All students accepted in this course will learn in a practical hands-on environment all of the aspects of broadcast production and writing, camera operation, and editing. Students will work individually and in teams to record and produce video highlighting events at SHS. Students will also work to create content for the Smithville Media Network website in the form of small videos, audio, and written stories. This course can be repeated.

Mathematics

COURSE: ALGEBRA I

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 9

REQUIRED: Yes

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: GEOMETRY

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 9-10

REQUIRED: No

PREREQUISITE: Successful completion of Algebra I. (May also be taken concurrently with Algebra II or Freshman Algebra II **with approval** of previous mathematics instructor)

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: ALGEBRA II

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 9-12

REQUIRED: No (may be replaced by Freshman Algebra II)

PREREQUISITE: Successful completion of Algebra I and Geometry. (May also be taken concurrently with Geometry **with approval** of previous mathematics instructor)

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: FRESHMAN ALGEBRA II

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 9

REQUIRED: Only for Freshman who took Algebra I and its corresponding EOC in 8th grade.

PREREQUISITE: Must be Freshman taking Algebra II who previously took Algebra I and its corresponding EOC in 8th grade. (May also be taken concurrently with Geometry with approval of previous mathematics instructor)

The Freshman Algebra II course is designed for rigorous study of higher level of algebraic content such as solutions of rational and polynomial equations, systems of linear equations, complex numbers, and radicals. This class is designed to prepare freshman students for taking the Algebra II EOC as its curriculum differs slightly from the normal Algebra II course.

COURSE: FOUNDATIONS OF ALGEBRA

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 9

REQUIRED: No

PREREQUISITE: Approval of previous math instructor

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: MATHEMATICS FOR THE REAL WORLD

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Algebra I **and** approval or previous math instructor

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.

COURSE: ADVANCED PLACEMENT STATISTICS ~~

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITES: Algebra I, 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. Successful completion of Statistics will result in three hours of mathematics credit through a University.

~~ Qualifies for Weighted Grades Designation

COURSE: COLLEGE ALGEBRA

CREDIT: 1 Mathematics Credit / 3 Credit Hours through Truman State University

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITES: Algebra I, Geometry, and Algebra II; mathematics GPA of 2.5 or higher, **and** score of at least 17 on the mathematics section of the ACT **or** approval of previous mathematics instructor.

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. Students enrolling in this course must meet all of the prerequisites listed above and must dual enroll with Truman State University. Successful completion of College Algebra will result in three hours of mathematics credit through Truman State University.

COURSE: COLLEGE PREPARATORY MATHEMATICS

CREDIT: 1 Mathematics Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Algebra I, 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: MATH ANALYSIS

CREDIT: 1 Mathematics Credit/3 credits through Truman State University

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITES: B- average or higher in both Algebra II/ Honors Algebra II and Geometry **and** approval of previous mathematics instructor

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. Students will have the opportunity to enroll with Truman State University to earn three hours of college credit for Precalculus.

COURSE: ADVANCED PLACEMENT CALCULUS AB ~~

CREDIT: 1 Mathematics Credit/5 credits through Truman State University

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITES: Successful completion of Math Analysis **and** approval of Math Analysis instructor

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. The course also follows the model of the Advanced Placement (AP) Calculus AB course. Graphing calculator technology is incorporated throughout the course. Students will be expected to take the AP exam in May. Students who successfully complete this course may earn five hours of college credit through Truman State University. *~~ Qualifies for Weighted Grades Designation*

COURSE: ADVANCED PLACEMENT CALCULUS BC ~~

CREDIT: 1 Mathematics Credit/5 credits through Truman State University

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITES: Successful completion of 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. Students will be expected to take the AP exam in May. Students who successfully complete this course may earn five hours of college credit through Truman State University. *~~ Qualifies for Weighted Grades Designation*

Natural Science

Natural Science Department Two-Year Rotation			
School Year	Courses	School Year	Courses
2019-2020 & 2021-2022	Microbiology Zoology Anatomy	2020-2021 & 2022-2023	Principles of Genetics Forensic Science

COURSE: **PHYSICAL SCIENCE**

CREDIT: 1 Science Credit

GRADE LEVEL: 9

REQUIRED: Yes

PREREQUISITE: None

Physical Science addresses fundamental concepts of both chemistry (Semester I) and physics (Semester II). 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: **GENERAL BIOLOGY**

CREDIT: 1 Science Credit

GRADE LEVEL: 10

REQUIRED: Yes

PREREQUISITE: None

General Biology is a required course in which 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: **EARTH AND SPACE SCIENCE**

CREDIT: .5 Science Credit

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITE: None

This course will introduce student 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: **OCEANOGRAPHY**

CREDIT: .5 Science Credit

GRADE LEVEL: 10-12

REQUIRED: No

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: ZOOLOGY

CREDIT: .5 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Successful completion of 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 will focus on the main characteristics of each and identify them based on specimens. We will look at slides and also preserved specimens. Dissections should be expected.

COURSE: CHEMISTRY

CREDIT: 1 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Successful completion of Physical Science, successful completion or concurrent 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: PHYSICS

CREDIT: 1 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Physical Science and Math Analysis (can be taken concurrently)

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.

COURSE: FORENSIC SCIENCE **

CREDIT: .5 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

LAB 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.

***Not in course rotation for 2019-2020 school year*

COURSE: PHYSIOLOGY AND ANATOMY

CREDIT: .5 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

LAB FEE: \$15.00 for consumables

PREREQUISITE: Successful completion of 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: MICROBIOLOGY

CREDIT: .5 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

LAB FEE: \$15.00 for consumables

PREREQUISITE: Successful completion of or concurrent enrollment in General Biology

Microbiology is an advanced class with clinical applications. This course will be divided into lecture and lab sections covering an introduction to bacteria and viruses. Students will learn basic lab techniques on proper handling and identification of bacteria. They will also research a topic related to microbiology and present this information to the class.

COURSE: PRINCIPLES OF GENETICS **

CREDIT: .5 Science Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Successful completion of General Biology with a 70% or higher

Principles of Genetics is designed to be a more in depth look at the fundamentals of genetics. The course will include both lecture and laboratory work. This class focuses on the genetic processes at cellular and chemical levels. Students will be expected to participate in activities, apply genetic concepts to populations and stay current with the recent developments in the field of genetics. ***Not in course rotation for 2019-2020 school year*

COURSE: ADVANCED PLACEMENT BIOLOGY ~~

CREDIT: 1 Science Credit

GRADE LEVEL: 12

PREREQUISITE: Successful completion of General Biology with a 75% or higher

AP Biology covers the coursework commonly covered in a 1st-year college level Biology course and follows the College Board curriculum guide. Students will focus on developing conceptual understandings and the content that supports them through inquiry investigations of 4 major themes of Biology. Topics will include: processes of evolution and the diversity of life, DNA and heredity, homeostasis, energy transfer, growth and development, and responsiveness to environment. Successful students will develop advanced inquiring and reasoning skills, such as designing a plan for data collection, analyzing data, applying mathematical routines, and connecting concepts in and across themes. Students will be expected to take the AP Biology Exam at the conclusion of the course and may obtain 8 credit hours by scoring a 3 or higher (as determined by student's choice of college/university) on the AP exam. Instructor highly recommends Chemistry I as a prerequisite. Dual credit is also available through Missouri Western State University. *~~ Qualifies for Weighted Grades Designation*

COURSE: COLLEGE CHEMISTRY ~~

CREDIT: 1 Science Credit / 5 credits through Missouri Western State University

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITE: Successful completion of Algebra II and General Chemistry; Math ACT of 22 or higher and HS GPA 3.0 or higher

The purpose of this course is to provide the student with the basic principles of chemistry. It is a lecture and laboratory course. The course involves a study of basic molecular structure, periodic relationships, and a thermodynamic approach to reaction systems. High school science credit is received and with proper enrollment and payment of fees, five hours of credit from Missouri Western State University may be obtained. This is a beginning college course for science and pre-professional majors. These people should possess a good high school background of math and English. Laboratory course must be taken concurrently. *~~ Qualifies for Weighted Grades Designation*

COURSE: AP PHYSICS C: MECHANICS ~~

CREDIT: 1 Science Credit

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITE: Chemistry; concurrent enrollment in Calculus is recommended but not required

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 course throughout high school.

~~ Qualifies for Weighted Grades Designation

COURSE: MARINE SCIENCE

CREDIT: .5 Science Credit

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITE: General Biology

METHOD OF DELIVERY: **On-line**

As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the Marine Science course, you will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems and on-going changes occurring every day in our precious ecosystems. You will be amazed and enlightened at just how much our oceans and lakes affect climate, weather and seasonal variations. You will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans, currents, tides and waves. This course is offered through a partnership with Platte County School District and will be taught by a Platte County instructor. Internet access at home is not a requirement for this course.

****COURSE: COLLEGE PHYSICAL GEOGRAPHY ~~**

CREDIT: 1 Science Credit/5 credit hours through a University

GRADE LEVEL: 11-12

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.

~~ Qualifies for Weighted Grades Designation

PLTW BIOMEDICAL STRAND

COURSE: PRINCIPLES OF BIOMEDICAL SCIENCE (PBS)~~

CREDIT: 1 Science Credit

GRADE LEVEL: 9-12

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

COURSE: HUMAN BODY SYSTEMS (HBS)~~

CREDIT: 1 Science Credit

GRADE LEVEL: 10-12

Prerequisite: Principles of Biomedical Science

This is the second course in the Project Lead the Way 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

Social Studies

Social Studies Department Two-Year Rotation			
School Year	Courses	School Year	Courses
2019-2020 & 2021-2022	History Through Film Criminal Justice	2020-2021 & 2022-2023	Sociology World War II - The Holocaust and Modern Day Implications

COURSE: AMERICAN HISTORY

CREDIT: 1 Social Studies Credit

GRADE LEVEL: 9

REQUIRED: Yes

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: WORLD HISTORY

CREDIT: 1 Social Studies Credit

GRADE LEVEL: 10

REQUIRED: Yes

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: CIVICS

CREDIT: .5 Social Studies Credit

GRADE LEVEL: 11

REQUIRED: Yes

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 ~~

CREDIT: 1 Social Studies Credit /6 credit hours through Missouri State University

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITES: 3.0 GPA and a minimum B- average in previous English Language Arts course; 10th grade students taking this course must also have recommendation of previous English Language Arts and Social Studies instructors

This course is designed to provide a college-level experience, while enrolled in a university program. An emphasis is placed on interpreting documents, mastering a significant body of factual information, and writing critical essays. Students refine their analytical abilities and critical thinking skills in order 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. The purpose of the World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage.

~~ Qualifies for Weighted Grades Designation

COURSE: ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS ~~

CREDIT: .5 Social Studies

GRADE LEVEL: 11-12

REQUIRED: No (May be substituted for required Civics course)

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.

The goals of the AP U.S. Government and Politics course are as follows:

- know important facts, concepts, and theories pertaining to U.S. government and politics
- understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures)
- be able to analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats)
- be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum

Students are required to take the AP Exam at the conclusion of the course. AP fees are approximately \$90 per exam.

~~ Qualifies for Weighted Grades Designation

COURSE: ADVANCED PLACEMENT COMPARATIVE GOVERNMENT & POLITICS ~~

CREDIT: .5 Social Studies

GRADE LEVEL: 11-12

REQUIRED: No (May be substituted for required Global Studies course)

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course 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.

The goals of the AP Comparative Government and Politics course are as follows:

- understand major comparative political concepts, themes, and generalizations
- have knowledge of important facts pertaining to the governments and politics of China, Great Britain, Iran, Mexico, Nigeria, and Russia
- understand typical patterns of political processes and behavior and their consequences
- be able to compare and contrast political institutions and processes across countries and to derive generalizations
- be able to analyze and interpret basic data relevant to comparative government and politics

Students are required to take the AP Exam at the conclusion of the course. AP fees are approximately \$90 per exam. *~~ Qualifies for Weighted Grades Designation*

COURSE: ADVANCED PLACEMENT UNITED STATES HISTORY ~~

CREDIT: 1 Social Studies Credit /6 credit hours through a University

GRADE LEVEL: 11-12

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. Students will be expected to take the AP exam in May. Students who successfully complete this course may earn six hours of college credit through a University. *~~ Qualifies for Weighted Grades Designation*

COURSE: HISTORY THROUGH FILM

CREDIT: .5 Social Studies Credit

GRADE LEVEL: 10-12

REQUIRED: No

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

CREDIT: 1 Social Studies Credit

GRADE LEVEL: 11-12

REQUIRED: No

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 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: ADVANCED PLACEMENT PSYCHOLOGY ~~

CREDIT: 1 Social Studies Credit

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: None

AP Psychology is designed to introduce students to the scientific study of behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology - such topics include: sensation and perception, states of consciousness, motivation and emotion, development, personality, abnormal behavior, and much more. They will also learn about the ethics and methods psychologists use in their science and practice. The aim of the course is to provide the students with a learning experience equivalent to that obtained in most college introductory psychology courses.

Students are required to take the AP Exam at the conclusion of the course. AP fees are approximately \$90 per exam. *~~ Qualifies for Weighted Grades Designation*

COURSE: SOCIOLOGY

CREDIT: .5 Social Studies Credit

GRADE LEVEL: 10-12

REQUIRED: No

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 2019-2020 school year*

COURSE: GLOBAL STUDIES

CREDIT: .5 Social Studies Credit

Grade: 11

Required: Yes (2020 graduates and beyond)

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: WORLD WAR II, THE HOLOCAUST AND MODERN DAY IMPLICATIONS

CREDIT: .5 Social Studies Credit

GRADE LEVEL: 10-12

REQUIRED: No

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 2019-2020 school year*

COURSE: CRIMINAL JUSTICE
CREDIT: .5 Social Studies Credit
GRADE LEVEL: 10-12
REQUIRED: No
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.

Foreign Language

COURSE: FRENCH I
CREDIT: 1 Foreign Language
GRADE LEVEL: 9-12
REQUIRED: No
PREREQUISITE: None

French One is an introduction to the basic structure of the language with a focus on (1) the elementary written form, (2) comprehension of the language when spoken, and (3) pronunciation of studied words and phrases. To facilitate this language study, basic grammar, vocabulary, and culture will be learned. French culture will be examined as it relates to history, economy, geography, food, music, film, and literature. Students will be asked to participate in special projects associated with food and travel.

COURSE: FRENCH II
CREDIT: 1 Foreign Language
GRADE LEVEL: 10-12
REQUIRED: No
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. In addition to a basic text, some of the classroom activities include skits, songs, reports, and films. Students continue the study of everyday life, customs, and culture of French-speaking countries.

COURSE: FRENCH III ~~
CREDIT: 1 Foreign Language/6 credits through Missouri State University
GRADE LEVEL: 11-12
REQUIRED: No
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. Successful completion of French III may result in six hours of foreign language credit through a University. ~~ *Qualifies for Weighted Grades Designation*

COURSE: FRENCH IV ~~
CREDIT: 1 Foreign Language/6 credits through Missouri State University
GRADE LEVEL: 12
REQUIRED: No
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. Successful completion of French IV may result in six hours of foreign language credit through a University. ~~ *Qualifies for Weighted Grades Designation*

COURSE: SPANISH I
CREDIT: 1 Foreign Language
GRADE LEVEL: 9-12
REQUIRED: No
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
CREDIT: 1 Foreign Language
GRADE LEVEL: 9-12
REQUIRED: No
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
CREDIT: 1 Foreign Language
GRADE LEVEL: 9-12
REQUIRED: No
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
CREDIT: 1 Foreign Language
GRADE LEVEL: 9-12
REQUIRED: No
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 ~~
CREDIT: 1 Foreign Language/6 credits through Missouri State University
GRADE LEVEL: 10-12
REQUIRED: No
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. Successful completion of Spanish III may result in six hours of foreign language credit through Missouri State University.

~~ Qualifies for Weighted Grades Designation

COURSE: SPANISH IV ~~
CREDIT: 1 Foreign Language/6 credits through Missouri State University
GRADE LEVEL: 11-12
REQUIRED: No

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. Successful completion of Spanish IV may result in six hours of foreign language credit through Missouri State University.

~~ Qualifies for Weighted Grades Designation

COURSE: AP SPANISH LANGUAGE AND CULTURE ~~

CREDIT: 1 Foreign Language/ 3 credits through University of Missouri – Kansas City

GRADE LEVEL: 12

REQUIRED: No

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: MEDICAL SPANISH

CREDIT: .5 Foreign Language

GRADE LEVEL: 10-12

REQUIRED: No

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: BUSINESS SPANISH

CREDIT: .5 Foreign Language

GRADE LEVEL: 10-12

REQUIRED: No

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: SPANISH CULTURE, COMPREHENSION AND CONVERSATION

CREDIT: .5 or 1 Foreign Language

GRADE LEVEL: 10-12

REQUIRED: No

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.

Music

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

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

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

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

All-Year Course (no adding of members at 2nd semester, unless a transfer)

The members of this ensemble represents the Smithville R-II School District highest instrumental ability through performances throughout the year. Students must be ready perform at the highest level at all marching and concert band events. The marching band season is during the 1st quarter and beginning of 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.

Note: Once a band member leaves the program due to their own desires, they will not be allowed to re-enroll.

COURSE: JAZZ BAND ENSEMBLE

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

PREREQUISITE: Enrolled in Advanced Instrumental Music (Marching and Concert Band) 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: MUSIC THEORY

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: MUSIC APPRECIATION I

CREDIT: .5 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

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. Music Appreciation I is typically offered in the fall semester.

COURSE: MUSIC APPRECIATION II

CREDIT: .5 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

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: MIXED CHOIR

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

PREREQUISITE: None (except for a desire to sing and learn about music)

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: WOMEN'S CHOIR

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: \$10 for robe rental and cleaning

PREREQUISITE: Students must audition and be selected at the discretion of the director

Auditions are typically in mid-January, but may be completed at other times at the director's discretion. Based on auditions, students will be split into Concert Choir and Women's Choir. Students will explore choral literature from a variety of genre and time periods. Women's Choir will focus on music composed or arranged for women's voices. Concert Choir will focus on music composed or arranged for mixed voices. The select choirs may also be split or combined with other ensembles to perform additional types of music. 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 select choirs will travel locally to various festivals.

COURSE: CONCERT CHOIR

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: \$10 for robe rental and cleaning

PREREQUISITE: Students must audition and be selected at the discretion of the director

Auditions are typically in mid-January, but may be completed at other times at the director's discretion. Based on auditions, students will be split into Concert Choir and Women's Choir. Students will explore choral literature from a variety of genre and time periods. Women's Choir will focus on music composed or arranged for women's voices. Concert Choir will focus on music composed or arranged for mixed voices. The select choirs may also be split or combined with other ensembles to perform additional types of music. 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 select choirs will travel locally to various festivals.

COURSE: LAKESIDE SINGERS

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

PREREQUISITE: Students must audition and be selected at the discretion of the director. Members must also be enrolled in Concert Choir, or another section of choir, during the spring semester.

Students 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 combined with other ensembles to perform music for men's voices or women's voices. 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 possibly regionally, to various festivals.

Art

COURSE: ART FOUNDATIONS

CREDIT: 1 Fine Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: \$5 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: DIGITAL PHOTOGRAPHY

CREDIT: .5 Fine Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Art Foundations

This course will consist of the study of the history of photography, learning about its scientific and technological developments, while understanding and using functions and operations of a digital camera. Students will apply the artistic process to analyze, interpret, and evaluate art works within the photographic medium, and learn how to edit photographs using web-based photo manipulation software. Students will need access to a DSLR, digital point-and-shoot camera, or a reliable phone camera. This course can be repeated.

COURSE: DRAWING AND PAINTING I

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$10 for consumables

PREREQUISITE: Art Foundations and Instructor Approval

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 expense will incur for materials.

COURSE: DRAWING AND PAINTING II

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$10 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: CERAMICS

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$20 for consumables

PREREQUISITE: Art Foundations

This course offers an introduction to handbuilding and wheel-thrown ceramic methods. Handbuilding 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: SCULPTURE

CREDIT: .5 Fine Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: \$10 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.

COURSE: ART PORTFOLIO

CREDIT: 1 Fine Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Art Foundations, one additional upper level art class and instructor approval

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.

Theater Arts

COURSE: THEATRE ARTS I (Fall)

CREDIT: .5 Fine Arts

GRADE LEVEL: 9-12

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 (Spring)

CREDIT: .5 Fine Arts

GRADE LEVEL: 9-12

PREREQUISITE: Theatre I

This is an intermediate theatre course that builds on the foundational principles of Theater 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

CREDIT: .5 Fine Arts

GRADE LEVEL: 11-12

PREREQUISITE: At least a B in Theatre Arts II; Must have instructor consent.

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. Offered in the Spring and Fall.

COURSE: THEATRE PRODUCTION FALL

CREDIT: .5 Fine Arts

GRADE LEVEL: 11-12

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 can be taken before or after Theatre Production Spring.

COURSE: THEATRE PRODUCTION SPRING

CREDIT: .5 Fine Arts
GRADE LEVEL: 11-12
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 can be taken before or after Theatre Production Fall.

COURSE: THEATRE PRODUCTION INTERNSHIP

CREDIT: .5 or 1 Fine Arts
GRADE LEVEL: 12
PREREQUISITE: At least a B in both Theatre Production Fall and Theatre Production Spring; Must have instructor consent.

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 a full year or for one semester.

Physical Education

*** Physical Education Course Restrictions:**

9th and 10th graders taking a weights course can take 1 additional activities course

9th and 10th graders not in weights can enroll in 1 activity course

11th and 12th graders can enroll in 2 courses (but no more than 2)

COURSE: CO-ED PHYSICAL EDUCATION

CREDIT: 1 Physical Education
GRADE LEVEL: 9-12
REQUIRED: No (fulfills graduation requirement)
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 may be repeated.

COURSE: LIFETIME SPORTS

CREDIT: .5 Physical Education
GRADE LEVEL: 9-12
REQUIRED: No (fulfills .5 credit toward graduation requirement)
PREREQUISITE: None

This course is designed to provide all Smithville high school students with the knowledge and skills essential to selection and implementing activities which will ensure long-term wellness. It is hoped that students will enter the class with an open mind to learning new activities and walk away with a gained 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. This course can be taken once a school year.

COURSE: POWER WALKING

CREDIT: .5 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No (fulfills .5 credit toward graduation requirement)

PREREQUISITE: None

This course is designed to promote aerobic and muscular endurance with the use of safe and mechanically effective walking techniques. This course will incorporate motivational techniques, pacing, and prevention of injuries. Furthermore, this course will enhance 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: POWER SPORTS (Football, Volleyball, Basketball)

CREDIT: .5 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No (fulfills .5 credit toward graduation requirement)

PREREQUISITE: None

This course is designed for any male or female student wishing to further their current skill level and knowledge of football, basketball, volleyball, and related sports topics. Units of instruction will include: history of the sport, fundamental skill development, foot speed development, team situational play, and individual situational play. This course may serve as a foundation for the pursuit of interscholastic competition, recreational enjoyment, and coaching.

COURSE: WEIGHT TRAINING

CREDIT: 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No (fulfills graduation requirement)

PREREQUISITE: None

This course is designed to introduce the beginning 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.

COURSE: FEMALES AND WEIGHT TRAINING

CREDIT: 1 Physical Education

GRADE LEVEL: 9-12

REQUIRED: No (fulfills graduation requirement)

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 is two semesters and can be repeated.

COURSE: HEALTH

CREDIT: .5 Health

GRADE LEVEL: 10

REQUIRED: Yes

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.

Northland CAPS

COURSE: **DIGITAL MEDIA AND DESIGN**~~

CREDIT: 1.5 Practical Arts Credit per semester

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Junior or Senior standing

METHOD OF DELIVERY: Northland CAPS; College Credit Available

NCAPS 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 the four sub strands, visit and work with using professional tools and computer programs, applying skills and techniques on latest professional editing software. Here you can 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: **ENGINEERING AND ADVANCED MANUFACTURING**~~

CREDIT: 1.5 Practical Arts Credit per semester

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Junior or Senior standing

METHOD OF DELIVERY: Northland CAPS; College Credit Available

NCAPS 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: **GLOBAL BUSINESS AND LOGISTICS**~~

CREDIT: 1.5 Practical Arts Credit per semester

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Junior or Senior standing

METHOD OF DELIVERY: Northland CAPS; College Credit Available

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. Want to start your own Business? Have an interest in Entrepreneurship? Have some ideas, but not sure where to start? The Northland CAPS Business Accelerator is part of the course for students looking to create products and/or businesses. The Business Accelerator provides students 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. If you have an interest in owning your own business, sign up for the Northland CAPS Business Accelerator through the Global Business and Logistics course. *~~ Qualifies for Weighted Grades Designation*

COURSE: MEDICINE AND HEALTHCARE~~

CREDIT: 1.5 Science Credit per semester

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Junior or Senior standing

METHOD OF DELIVERY: Northland CAPS; College Credit Available

NCAPS 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: TECHNOLOGY SOLUTIONS~~

CREDIT: 1.5 Practical Arts Credit per semester

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Junior or Senior standing

METHOD OF DELIVERY: Northland CAPS; College Credit Available

NCAPS 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

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 Digital Electronics or AP Computer Science Principles or Civil Engineering and Architecture, 3) Engineering Design and Development. 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. *Intro to Engineering Design, Principles of Engineering, Engineering Design and Development, plus one more PLTW course are required to complete the PLTW curriculum.*

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

CREDIT: 1 Practical Art

GRADE LEVEL: 9-12

REQUIRED: No

PREREQUISITE: Mathematics and Science interest needed

The major focus of this course is to expose students to 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)~~**

CREDIT: 1 Practical Art or Science

GRADE LEVEL: 10-12

REQUIRED: No

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*

****COURSE: DIGITAL ELECTRONICS (DE)~~**

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITE: Introduction to Engineering & Design (IED)

Digital Electronics™ is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where a continuously varying voltage represents information, two discrete voltages or logic levels represent digital signals. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. *~~ Qualifies for Weighted Grades Designation*

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

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

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, storm water 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: EXPLORING TECHNOLOGY

CREDIT: 1 Practical Art

GRADE LEVEL: 9-12

REQUIRED: No

FEE: \$15 for consumables

PREREQUISITE: None

This course is an introductory course to the Technology Lab. The course is broken into three areas of study – Communication, Construction and Energy and Power. To support the textbook sections and chapters, students will also work through four two-week stations that include study and hands-on work with Computer Animation, Computer Drafting, Computer 3-D Design, Scale Model Designs and Structures. Content and skills addressed in Exploring Technology I are Communications, Materials and Processes, Construction, Energy and Power and Transportation. Exploring Technology is designed to introduce students to Technology as it applies to industry, careers and human needs. A lab fee will be required.

COURSE: AUTO CAD & DRAFTING

CREDIT: .5 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITE: Completion of Exploring Technology recommended but not required.

Students in this class will explore the applications of AutoCAD. AutoCAD 2010 from Autodesk is available to the students and many different features will be utilized. This is one of the world's leading 2D and 3D CAD (Computer Aided Drafting and Design) tools. The course will introduce students to uses and possible employment/career opportunities associated with AutoCAD with and Drafting skills. Students will advance quickly through progressively detailed drawings, assignments and projects. Design and shape the world around you with the powerful, flexible features found in AutoCAD.

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

CREDIT: 1 Practical Art/ Potential for Science Credit

GRADE LEVEL: 9-11

REQUIRED: No

FEE: \$25.00 for consumable supplies

PREREQUISITE: None

COURSE REQUIREMENT: Students will be required to complete an End of Course Exam. Students enrolled in Agriculture Education course will participate in Smithville FFA Chapter activities.

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.

COURSE: AGRICULTURAL CONSTRUCTION

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

FEE: \$40 for consumables and safety glasses

PREREQUISITE: AFNR, and Junior or Senior standing

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: ANIMAL SCIENCE~~**

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR, and Junior or Senior standing

OPTIONAL: 4 hours of college credit is available through Missouri State University.

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 2019-2020 school year
~~ Qualifies for Weighted Grades Designation*

COURSE: EQUINE SCIENCE

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR, and Junior or Senior standing

OPTIONAL: 4 hours of college credit is available through Missouri State University.

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.

COURSE: VETERINARY SCIENCE **

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR, Junior or Senior Standing. Special Permission would be needed by non-current agriculture education students.

OPTIONAL: 4 hours of college credit is available through Missouri State University.

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.

***Not in course rotation for 2019-2020 school year*

COURSE: SUPERVISED AGRICULTURAL EXPERIENCE CO-OP

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Instructor Approval (obtained prior to starting Semester), Placement Training Agreement and AFNR

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: AGRICULTURAL TRACTOR POWER

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR, and Junior or Senior standing.

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

CREDIT: 1 Practical Art or Science

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR, and Junior or Senior standing.

A course designed to expose to 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: AGRICULTURE COMMUNICATIONS

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: AFNR; Instructor Approval.

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. (CD 016742, CIP 01.0802) ***Not in course rotation for 2019-2020 school year*

Vocational Business Education

COURSE: ACCOUNTING I

CREDIT: 1 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITE: C average in Math recommended

DELIVERY METHOD: Online

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

CREDIT: 1 Practical Art

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Accounting I with a C average

DELIVERY METHOD: Online

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

CREDIT: .5 Practical Art

GRADE LEVELS: 10-12

REQUIRED: No

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: INTRODUCTION TO BUSINESS (completion of both Intro to Business and Entrepreneurship fulfills Speech requirement)

CREDIT: .5 Practical Art

GRADE LEVEL: 9-12

REQUIRED: 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. Business communication is a key component of this course and includes written, interpersonal and public speaking.

Course: **ENTREPRENEURSHIP** (completion of both Intro to Business and Entrepreneurship fulfills Speech requirement)

Credit: .5 Practical Art

Grade Level: 9-12

Required: No

Prerequisite: Intro to Business

Entrepreneurship is a course to help students 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: BUSINESS MANAGEMENT

CREDIT: .5 Practical Art

GRADE LEVELS: 10-12

REQUIRED: No

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

CREDIT: .5 Practical Art

Grade Level: 9-12

Required: No

Prerequisite: None

This course will be tailored to the CS student. This course will include general technology concepts like college/business software, computer components, security, ethics and documentation while allowing students to design additional CS 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: BUSINESS SUPERVISED EMPLOYMENT

Credit: .5 Practical Arts

Grade Level: 11-12

Required: No

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.

COURSE: PERSONAL FINANCE

CREDIT: .5 Personal Finance

GRADE LEVEL: 11-12

REQUIRED: Yes

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.

Finance/Accounting Pathway

Introductory Level

Introduction to Business

Technical Level

Web Design I

Accounting I

Personal Finance

Application Level

Accounting II

Business and Personal Law

Business Management

CAPS

*Business Law (1/2)-Supporting course for this strand

*Accounting I-Supporting course for this strand AND Business Law (1/2)-Supporting course for this strand

Family and Consumer Sciences

COURSE: NUTRITION & WELLNESS I

CREDIT: .5 Practical Art

GRADE LEVEL: 10-12

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

CREDIT: .5 Practical Art

GRADE LEVEL: 10-12

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: CHILD DEVELOPMENT I

CREDIT: .5 Practical Art

GRADE LEVEL: 10-12

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

CREDIT: .5 Practical Art

GRADE LEVEL: 10-12

REQUIRED: No

FEE: None

PREREQUISITE: Successful completion of Child Development I & Instructor Approval

Child Development II is an extension of the introductory course, open to students who have completed Child Development with a grade of 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" will be a requirement of this course.

COURSE: CHILD DEVELOPMENT INTERNSHIP

CREDIT: 1 Practical Arts

GRADE LEVEL: 12

REQUIRED: No

TRANSPORTATION: Provided by student.

PREREQUISITES: Successful completion of Child Development I and II; Instructor Approval

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. Students will meet in the classroom on Mondays and work at the site 2 days a week. *Attendance is extremely important for acceptance and success for the course.

COURSE: FASHION & TEXTILES

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

CREDIT: 1 Practical Art

GRADE LEVEL: 9-12

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

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: SELF DEVELOPMENT

CREDIT: .5 or 1 Practical Art

GRADE: 11-12

REQUIRED: No

PREREQUISITE: None

METHOD OF DELIVERY: Online

Who are you? Where are you going? Through a self-discovery process, you find answers to these and many other important questions related to your self-development. You will look at all aspects of life - mental & physical health, social behaviors, personality and the life processes - to help you discover yourself. Learn to develop good communication skills and resolve conflicts in a positive manner. Emphasis is on the positive throughout the course 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.

General Electives

COURSE: CADET TEACHING

CREDIT: 1.5 General Elective

GRADE LEVEL: 12

REQUIRED: No

PREREQUISITE: Active Member FTA, cumulative GPA 3.0 or above, approval of FTA sponsor and supervising teacher

This course provides an opportunity for students interested in a teaching career to work with an elementary, upper elementary, or middle school teacher in the area of the student's interest. Students will make bulletin boards, duplicate materials, and grade and file papers, work with students as assigned by the supervisory teacher. Students will perform duties necessary to everyday classroom management as designed by their supervisory teacher to become aquatinted with the teaching profession. Each student must provide their own transportation. Students will be required to keep a weekly journal documenting their experience, evaluate educational literature, complete a major classroom project each semester, and submit various papers. This will require students to be out of the high school one block each day.

COURSE: LEADERSHIP I

CREDIT: .5 General Elective/3 credits through Drury University

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: There is an application process for inclusion in this course.

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. Leadership I can be taken for 3 dual credit hours through Drury University in Springfield, Missouri.

COURSE: LEADERSHIP II

CREDIT: .5 General Elective/3 credits through Drury University

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: Leadership I

This course will offer further development of a student's understanding regarding leadership styles and theories. In addition to extending project planning skills from the first semester, 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. Leadership II can be taken for 3 dual credit hours through Drury University in Springfield, Missouri.

COURSE: OUTDOOR EDUCATION

CREDIT: .5 General Elective

GRADE LEVEL: 9-12

REQUIRED: No (fulfills .5 credit toward graduation requirement; cannot be repeated)

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

CREDIT: .5 General Elective

GRADE LEVEL: 9-12

REQUIRED: No (fulfills .5 credit toward graduation requirement; cannot be repeated)

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: SPORTS MEDICINE/ATHLETIC TRAINING II

CREDIT: .5 General Elective

GRADE LEVEL: 10-12

REQUIRED: No (fulfills .5 credit toward graduation requirement; cannot be repeated)

PREREQUISITE: Successful completion of 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: SOCIAL DANCE

CREDIT: .5 General Elective

GRADE LEVEL: 9-12

REQUIRED: No (fulfills .5 credit toward graduation requirement); cannot be repeated

PREREQUISITE: None

This course is designed for any male or female who would like to use the assets of dance to improve physical fitness and to develop the confidence and ability to dance for fun. This course combines fitness, dance techniques and dance choreography. The class is designed to improve physical skills such as posture, strength, flexibility, stamina, and balance. Students will learn the techniques and vocabulary for various types of dance. Appropriate injury prevention techniques will be explored along with aspects of the anatomy and nutrition. Students will perform for each other in class and have the option to put on a semester show.

COURSE: WARRIOR TECH SUPPORT

CREDIT: 1 General Elective

GRADE LEVEL: 10-12

REQUIRED: No

PREREQUISITE: Application 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: STUDENT LIBRARY ASSISTANT

CREDIT: 1 General Elective

GRADE LEVEL: 11-12

REQUIRED: NO

PREREQUISITE: None

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. May be used for A+ tutoring hours for 0 credit.

COURSE: ACT PREPARATION

CREDIT: .5 General Elective

GRADE LEVEL: 11-12

REQUIRED: No

PREREQUISITE: None

Method of Delivery: Online

The ACT Preparation course is offered to junior and seniors 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 in which he/she has 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. The fee for this course is \$85.00 to cover course materials.

COURSE: WORK EXPERIENCE

CREDIT: .5 to 1 Practical Art or General Elective per semester

GRADE LEVEL: 12

Work Study is available to students through the School Flex program. The following requirements must be met for inclusion in the program:

- Attendance at school for at least two instructional hours per day within the school of residence.
- The student must maintain a 95% attendance rate.
- The student must avoid suspension or expulsion while in the program.

Students will be supervised by a certified staff member while in Work Study.

Northland Career Center

Northland Career Center 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 one or two-year course, 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.

Community College Credit: Students may earn from 3 to 17 credit hours at Metropolitan Community Colleges after successful completion of designated programs. The actual credit varies from program to program.

COURSE: AGRICULTURAL SCIENCES – ANIMAL SYSTEMS

PREREQUISITES: Junior or Senior; Algebra I and Basic Science

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: Minimum 10th grade +

AM only. This course is designed to expose students to agriculture, animal systems, and related career options. Students participating in the Animal Systems course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, 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 animal science specialists, such as 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. This course of study includes: · Background and Social Issues of Animal Science · Anatomy and Physiology · Nutrition · Reproduction · Genetics · Animal Health · Animal Selection

COURSE: AGRICULTURAL SCIENCES – PLANT SYSTEMS

PREREQUISITES: Junior or Senior; Algebra I and Basic Science

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: Minimum 10th grade +

PM only. This course provides a foundation of plant systems knowledge and skills. Students will experience various plant systems concepts through exciting "hands-on" activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will 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, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as 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. This course includes the following units of study: · Worlds of Opportunity · Mineral Soils · Soilless Systems · Anatomy and Physiology · Taxonomy · The Growing Environment · Plant Reproduction · Surviving a Harsh Environment · Crop Production and Marketing

COURSE: AVIATION TECHNOLOGY I

PREREQUISITES: Junior or Senior; Mechanical Aptitude

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

Instruction will include basic concepts in aircraft blueprints/drawings, avionics, aircraft structure/composition, aircraft sheet metal and welding, aircraft systems and components, safety and human factors.

COURSE: AVIATION TECHNOLOGY II

PREREQUISITES: Successful completion of Aviation Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

This program prepares students for continued education towards an Associate's Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following their two year program. Internship opportunities their 2nd semester of their senior year are available for qualified candidates.

COURSE: CONSTRUCTION TECHNOLOGY I

PREREQUISITES: Junior or senior; ability to read a tape measure, add and subtract fractions and calculate dimensions in feet and inches; work at various heights and lift 25 pounds.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 11th grade +

This program is competency based and 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. Each student must pass a safety test to work around hand and power tools.

The student is required to provide their own boots and clothing for working in hot and cold weather.

COURSE: CONSTRUCTION TECHNOLOGY II

PREREQUISITES: Senior: Successful completion of Construction Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

OPTIONAL: Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Thirteen (13) hours of college credit by exam is available through Ranken Technical College after completing two (2) years at NCC. Advanced wage scale placement is available in the Construction Apprenticeship Program.

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. Some commercial construction will be introduced including the use of metal studs and the differences in building codes and techniques. The completion of Construction Technology II will provide opportunities for employment in residential or commercial construction.

COURSE: CULINARY ARTS I

PREREQUISITES: Junior or Senior; be able to lift 50 pounds from the floor to a table; 9th grade math level; access to the internet from home.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

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 is essential.

COURSE: CULINARY ARTS II

PREREQUISITES: Completion of Culinary Arts I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

OPTIONAL: Six (6) hours of college credit by exam is available through Johnson County Community College (JCCC) after completing two (2) years of Culinary Arts. Two (2) hours of dual credit is also available through JCCC. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

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

PREREQUISITES: Junior; Mechanical Aptitude

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

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

PREREQUISITES: Completion of Diesel Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

OPTIONAL: Eighteen (18) hours of college credit is available through State Technical College of Missouri after successful completion of two years of Diesel Technology.

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: HEALTH SCIENCES I

PREREQUISITES: Junior or Senior (This is a one or two year program); must have a Social Security number and pass state criminal background check; must not be on the state employment disqualification list; required to obtain a TB test on their own and provide documentation of results; hepatitis vaccination is encouraged; purchase uniform, name tag and wear appropriate clothing for clinical sites; knowledge in basic science and positive people skills encouraged. Every student spends two (2) 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, he/she will not be recommended to return second semester. Due to the nature of off-site work; behaviors, academics (students must have a "C" average or be recommended by the instructor to return second semester), and attendance policies are strictly followed. Second semester, students spend ten (10) 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.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 10th grade +

Health Sciences I teaches students basic health care, CPR, anatomy, common disorders and introduction to medical terminology. Students have the opportunity to take the Certified Nursing Assistant state test. The students will also 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.

COURSE: HEALTH SCIENCES II

PREREQUISITES Senior: Successful completion of Health Sciences I with a grade level of no lower than an 80%, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor; same prerequisites as Health Sciences I. Second quarter they must find a volunteer or work experience in a long-term health care facility or health care facility of their choice and only meet in class on Fridays. Students that receive pay for work must provide twenty (20) hours of documentation. Students that volunteer must provide twelve (12) hours of documentation. Students must provide their own transportation second beginning second quarter.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

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 which involves four (4) days on the job and one (1) day in the classroom. The students will be responsible for documenting their clinical internship hours for their instructor.

COURSE: HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION I

PREREQUISITES: Junior or Senior; recommended algebra, physics, drafting, physical science and basic electricity.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: College Level

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, VENTILATION, AIR CONDITIONING AND REFRIGERATION II

PREREQUISITES: Successful completion of Heating, Ventilation, Air Conditioning and Refrigeration I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

OPTIONAL: Fourteen (14) hours of college credit by exam is available through Metropolitan Community Colleges (MCC) after completing two (2) years at NCC. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Twenty six (26) hours of college by exam is available through Ranken Technical College after completing two (2) years of HVAC-R. Advanced wage scale placement is also available in the Pipe Fitter Apprenticeship Program.

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

PREREQUISITES: Junior or Senior; ninth grade math level; previous drafting classes desirable

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

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

PREREQUISITES: Senior: Successful completion of Industrial Welding I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12 grade

OPTIONAL: One (1) hour of college credit by exam is available through Metropolitan Community Colleges (MCC) after completing two (2) years. Eighteen (18) hours of Dual Credit is available through Metropolitan Community Colleges (MCC) after completing (2) years. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Twelve (12) hours of college credit is available through State Technical College of Missouri after completing two (2) years. Fifteen (15) hours of college credit by exam is available through Ranken Technical College after completing two (2) years of Industrial Welding. Advanced wage scale placement is also available in the Ironworkers Apprenticeship.

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 AWS (American Welding Society) certification test which is administered annually.

COURSE: IT PROFESSIONALS I

PREREQUISITES: Junior or Senior (This is a one or two year program); keyboarding or equivalent; "minimum" academic levels in 10th grade writing and math; strong aptitude in computer applications, communications and comprehension.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 12th grade

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.

COURSE: IT PROFESSIONAL II

PREREQUISITES: Successful completion of IT Professionals I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

OPTIONAL: Three (3) hours of college credit is available through Metropolitan Community Colleges after completing two (2) years at NCC. Students may also earn up to nineteen (19) hours through credit by exam at MCC. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Six (6) hours of college credit may be earned through State Technical College of Missouri after completing two (2) years. Twenty nine (29) hours of college credit by exam is available through Ranken Technical College after completing two (2) years of IT Professionals.

TEXT READING LEVEL: 12th grade

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

PREREQUISITES: Junior or Senior with a good high school disciplinary record and an interest in science and a general understanding of algebra/geometry concepts. Student must have an interest in law and the social rule.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

TEXT READING LEVEL: 10th grade +

LE/CSI provides an introduction to 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

PREREQUISITES: Senior: Successful completion of LE/CSI I with a grade level no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from instructor.

TEXT READING LEVEL: 10th grade +

UNIT(S) OF CREDIT/YEAR 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

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.

PRODUCTION TECHNOLOGIES I

PREREQUISITES: Junior or senior, ninth grade math level, mechanical aptitude

TEXT READING LEVEL: 12th grade

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

This two-year program allows students to earn dual credit towards an Associate's Degree and/or certification in a variety of areas related to the manufacturing industry (For example; CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, Welding and more). Cutting edge technology has changed the way products are manufactured in the United States and abroad. These changes 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 is located at the MCC Business & Technology Center and utilizes variety of lab space and equipment to assist students in choosing the manufacturing career that is right for them.

PRODUCTION TECHNOLOGIES II

PREREQUISITES: Senior: Successful completion of Production Technologies I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor; same prerequisite as Production Technology I.

TEXT READING LEVEL: 12th Grade

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit, .5 units of English Language Arts elective credit, .5 units of Technical Math credit

Second year curriculum will Continue 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 to name a few. Program will continue to be located at the Business & Technology Center.

COURSE: TEACHING PROFESSIONS I

PREREQUISITES: Junior; must have a Social Security number; background check through Family Care Registry; required to obtain a TB test on their own and provide documentation of results. In order to work off-site, it is highly recommended that students have their own transportation. Due to the nature of off-site work; behaviors, academics (students must have a "C" average or recommendation from the instructor to return at second semester), and attendance policies are strictly followed.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit and .5 units of English Language Arts elective credit

TEXT READING LEVEL: 12th grade

This course offers on-sight training and the opportunity for off-sight training and observation of students at licensed child care centers, preschools, and local public schools through the 8th grade. Unless the student has made other arrangement, 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 includes: child development, child health, safety, nutrition, learning environments, approaches to learning, CPR & First Aid training, and employability skills.

COURSE: TEACHING PROFESSIONS II

PREREQUISITES: Senior: Successful completion of Early Childhood Careers I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor; same prerequisite as Teaching Professions I.

UNIT(S) OF CREDIT/YEAR: 3.5 units of Elective Credit and .5 units of English Language Arts elective credit

Text Reading Level: 12th grade

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-sight training at preschools and/or local public schools through the 8th grade. 312 hours of observation time may be earned. Completion of the two (2) 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.