

# STE. GENEVIEVE HIGH SCHOOL



## COURSE DESCRIPTION GUIDE 2011-2012

**STE. GENEVIEVE COUNTY R-II SCHOOL DISTRICT**

**MISSION STATEMENT**

IT IS THE MISSION OF THE STE GENEVIEVE COUNTY R-II SCHOOL DISTRICT TO PROVIDE AN EDUCATIONAL ENVIRONMENT FOR CHILDREN OF THE DISTRICT WHICH WILL FOSTER AND ACCELERATE THEIR INTELLECTUAL, PHYSICAL, SOCIAL AND CAREER DEVELOPMENT AND PROMOTE THE PRINCIPLES OF A DEMOCRATIC WAY OF LIFE. THE PHILOSOPHY HEREIN SUBSCRIBED TO BY THE BOARD OF EDUCATION SHALL BE A GUIDE IN DETERMINING THE POLICIES, RULES AND REGULATIONS OF THE SCHOOL DISTRICT.

STE. GENEVIEVE HIGH SCHOOL  
DESCRIPTION OF COURSES  
JANUARY - 2011

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BOOK NUMBER

COUNSELORS

MRS. TINA HOWE.....SENIORS

MR. RUSS TOOMBS.....JUNIORS & SOPHOMORES

MRS. AMY ROWLAND.....FRESHMEN

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9	10	11	12	LANGUAGE ARTS – ENGLISH	PAGE
X				ENGLISH I	1
X				ENGLISH I, COLLEGE PREP	1
	X			ENGLISH II	1
	X			ENGLISH II, COLLEGE PREP	2
		X		ENGLISH III	2
		X		ENGLISH III, COLLEGE PREP	2
			X	ENGLISH IV	3
			X	ENGLISH IV, COLLEGE PREP	3

9	10	11	12	ENGLISH – ELECTIVES	PAGE
	X	X	X	CREATIVE WRITING	4
X	X	X	X	ORAL INTERPRETATION	4 *
	X	X	X	MEDIA LITERACY	4
	X	X	X	COMMUN. IN THE WORK PLACE	5
	X	X	X	JOURNALISM	5
	X	X	X	APPRECIATION OF LITERATURE	5
X	X	X	X	PLAY PRODUCTION	6 *
	X	X	X	SCHOOL PUBLICATIONS	6 *
X	X	X	X	SPEECH	6
	X	X	X	MYTHOLOGY	7
	X	X	X	WORLD LITERATURE	7
	X	X	X	CONTEMPORARY LITERATURE	7
	X	X	X	FILM COMPOS. & LITERATURE	8
	X	X	X	DRAMATICS	8

\*THESE CLASSES DO NOT COUNT FOR ENGLISH CREDIT

9	10	11	12	FOREIGN LANGUAGES	PAGE
X	X	X	X	FRENCH I	8
	X	X	X	FRENCH II	9
		X	X	FRENCH III	9
			X	FRENCH IV	9
X	X	X	X	GERMAN I	10
	X	X	X	GERMAN II	10
		X	X	GERMAN III	10
			X	GERMAN IV	11
X	X	X	X	SPANISH I	11
	X	X	X	SPANISH II	12
		X	X	SPANISH III	12
			X	SPANISH IV	13

9	10	11	12	MATHEMATICS	PAGE
X				ALGEBRA	13
	X			INTEGRATED MATH II	13
X	X	X	X	GEOMETRY	14
		X	X	INTEGRATED MATH III	14
	X	X	X	PRE-CALCULUS	14
	X	X	X	ALGEBRA II	14
		X	X	COLLEGE ALGEBRA	15
X	X			TRIGONOMETRY	15
		X	X	PROBABILITY & STATISTICS	15
	X	X		MATH ANALYSIS	16
			X	CALCULUS	16

9	10	11	12	SCIENCE	PAGE
X				PHYSICAL SCIENCE	16
X				PHYSICAL SCIENCE, CP	17
	X			BIOLOGY	17
	X			BIOLOGY, COLLEGE PREP	18
		X		ECOLOGY	18
	X	X		BIOLOGY, ADVANCED	18
	X	X	X	CHEMISTRY	19
	X	X		CHEMISTRY, ADVANCED	19
	X	X		PHYSIOLOGY & ANATOMY	19
	X	X		PHYSICS	20
	X	X		PHYSICS	20

9	10	11	12	SOCIAL STUDIES	PAGE
X				AMERICAN GOVERNMENT	20
X				AMERICAN GOVT, CP	20
	X			WORLD HISTORY	21
	X			WORLD HISTORY, CP	21
		X		AMERICAN HISTORY	21
		X		AMERICAN HISTORY, CP	21
	X	X	X	CONTEMPORARY ISSUES	22
			X	COMPARATIVE GOVT	22
X	X	X	X	ECONOMICS	22
		X	X	PSYCHOLOGY	23
		X	X	SOCIOLOGY	23
		X	X	MODERN AMERICA	23

9	10	11	12	PHYSICAL ED./HEALTH	PAGE
X				BOYS PHYSICAL EDUCATION	24
X				GIRLS PHYSICAL EDUCATION	24
	X	X	X	BODY CONDITIONING	24
	X	X	X	TEAM SPORTS	25
X				HEALTH	25

9	10	11	12	FINE ARTS - ART	PAGE
X	X	X	X	FUNDAMENTALS OF ART	25
	X	X	X	DRAWING AND PAINTING	26
	X	X	X	SCULPTURE	26
	X	X	X	CERAMICS	26

9	10	11	12	INSTRUMENTAL MUSIC	PAGE
X	X	X	X	BAND, HIGH SCHOOL	27
X	X	X	X	THEORY & HARMONY	28
X	X	X	X	JAZZ BAND	28
X	X	X	X	MARCHING AUXILIARIES	28
X	X	X	X	MUSIC APPRECIATION	29

9	10	11	12	VOCAL MUSIC	PAGE
X	X	X	X	CHORUS/CHOIR	29
X	X	X	X	SHOW CHOIR	30
X	X	X	X	VOCAL MUSIC	30
X	X	X	X	WOMEN'S CHOIR	31

9	10	11	12	PRACTICAL ARTS- BUSINESS	PAGE
	X	X	X	PERSONAL FINANCE	31
X	X	X	X	KEYBOARDING	32
X	X	X	X	WORD PROCESSING	32
X	X	X	X	COMPUTER APPLICATIONS	32
	X	X	X	ACCOUNTING I	33
		X	X	ACCOUNTING II	33
		X	X	WEB DESIGN	34

9	10	11	12	BUSINESS	PAGE
	X	X		BUSINESS TECHNOLOGY I	34
		X		BUSINESS TECHNOLOGY II	34
	X	X		BUSINESS MANAGEMENT & OWNERSHIP	35
	X	X		BUSINESS SBE	35
	X	X		MULTIMEDIA	35
	X	X		INDEP STUDY/COMP TECH	36

9	10	11	12	FAMILY AND CONSUMER SCIENCES	PAGE
X	X	X		FACS I	36
	X	X		CHILD DEV, CARE, GUID	36
	X	X	X	APPAREL AND TEXTILES	37
	X	X		FAMILY/CONSUMER MGT	37
	X	X		FAMILY LIVING/PARENTHOOD	37
	X	X	X	NUTRITION AND WELLNESS	38
	X	X	X	FOODS, GENERAL	38
	X	X		HOUSING ENVIRON. & DESIGN	38
	X	X	X	FAMILY/INDIVIDUAL HEALTH	39
	X	X		APPAREL & TEXTILES, ADV.	39
	X	X		CAREER AND FAMILY LEAD.	39
	X	X		FOOD SCIENCE	40
	X	X		FOOD SCIENCE, ADV.	40
		X		CAREER DEV./ENTREPRENEUR	40

9	10	11	12	INDUSTRIAL ARTS	PAGE
X	X			INTRO TO INDUST. TECH.	41
	X	X	X	ENGINEERING GRAPHICS	41
		X	X	INDEPENDENT STUDY DRAFT	41
	X	X	X	INDUSTRIAL WOODS/ADV.	42
	X	X	X	INDUST. METAL TECH.	42
	X	X	X	POWER MECHANICS TECH.	42
	X	X	X	ELECTRICITY/ELECTRONICS	43
	X	X		ARCHITECTURAL STRUCTURES & DESIGN TECH.	43



## STE. GENEVIEVE HIGH SCHOOL GRADUATION REQUIREMENTS

CLASS OF  
2012, 2013, 2014, 2015

SUBJECT AREA	UNITS REQUIRED	TECH PREP DIPLOMA	SG COLLEGE PREP DESIGNATION
ENGLISH	4.0	4.0	4.0 **
SOCIAL STUDIES	3.0	3.0	3.0 **
MATHEMATICS	3.0	3.0	4.0 **
SCIENCE	3.0	3.0	3.0 **
FINE ART	1.0	1.0	1.0
PRACTICAL ART	0.5	0.5	1.0
PHYSICAL EDUCATION	1.0	1.0	1.0
HEALTH	0.5	0.5	0.5
ELECTIVES	7.5	7.5	9.0 *
PERSONAL FINANCE	0.5	0.5	0.5
<b>TOTAL</b>	<b>24.0</b>	<b>24.0</b>	<b>27.0</b>

- AT LEAST THREE UNITS SELECTED FROM FOREIGN LANGUAGE (TWO UNITS OF ONE FOREIGN LANGUAGE) AND/OR COMBINATIONS FROM TWO OR MORE OF THE FOLLOWING COURSE AREAS: ENGLISH, MATHEMATICS, SOCIAL STUDIES, SCIENCE, AND FINE ARTS. A COMPUTER SCIENCE COURSE WITH A PRE-REQUISITE OF AT LEAST ALGEBRA I IS PERMISSIBLE AS A MATHEMATICS ELECTIVE. STATE AND/OR INTERNATIONAL HISTORY COURSES ARE PERMISSIBLE AS SOCIAL STUDIES ELECTIVES. **A FOUR YEAR CUMULATIVE ATTENDANCE OF 95% IS ALSO REQUIRED FOR A COLLEGE PREP CERTIFICATE OR DESIGNATION.**

### \*\* REFER TO STE. GENEVIEVE HIGH SCHOOL COLLEGE PREPARATORY STUDIES DESIGNATION

1. TO QUALIFY FOR GRADUATION STUDENTS MUST BE IN ATTENDANCE FOR EIGHT (8) SEMESTERS, SEVEN PERIODS A DAY, GRADES 9 THROUGH 12. STUDENTS WHO QUALIFY FOR HOMEBOUND INSTRUCTION, EARLY-OUT, PART-TIME ATTENDANCE, WORK RELEASE AND COOPERATIVE OFFICE EDUCATION MAY BE EXEMPT FROM THIS ATTENDANCE REQUIREMENT.
2. SENIORS MUST PASS A MINIMUM OF FOUR (4.00) UNITS OF CREDIT TO QUALIFY FOR GRADUATION, WITH THE EXCEPTION OF STUDENTS WHO ARE GRANTED AN EARLY OUT.
3. **TWENTY-FOUR (24) UNITS OF CREDIT ARE REQUIRED FOR GRADUATION.** STUDENTS WHO TRANSFER TO STE. GENEVIEVE HIGH SCHOOL FROM AN ACCREDITED OR UNACCREDITED SCHOOL IN ANOTHER COUNTRY, STATE, OR IN-STATE HIGH SCHOOL WILL BE SUBJECT TO THE GUIDELINES DEFINED FOR SUCH STUDENTS BY THE STE. GENEVIEVE R-II BOARD OF EDUCATION POLICY (J ECC) AND BY THE MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION.

## STE. GENEVIEVE HIGH SCHOOL GRADUATION REQUIREMENTS (CONTINUED)

4. IN ORDER TO QUALIFY FOR GRADUATION STUDENTS MUST COMPLETE A MINIMUM OF THE FOLLOWING UNITS OF CREDITS: **FOUR (4) UNITS OF CREDIT IN LANGUAGE ARTS** CONSISTING OF ENGLISH I, II, III, AND A FOURTH CREDIT OF ENGLISH ELECTIVES (PUBLICATIONS, PLAY PRODUCTION, AND FORENSICS WILL NOT COUNT AS THE FOURTH ENGLISH CREDIT); **THREE (3) UNITS IN SOCIAL STUDIES** CONSISTING OF ONE UNIT OF WORLD HISTORY, ONE UNIT OF AMERICAN HISTORY, AND ONE-HALF UNIT OF CIVICS, AND ONE-HALF UNIT OF SOCIAL STUDIES ELECTIVE; **THREE (3) UNITS OF MATHEMATICS** INCLUDING ALGEBRA; **THREE (3) UNITS OF SCIENCE** INCLUDING PHYSICAL SCIENCE; **ONE-HALF (.5) UNIT IN PRACTICAL ART; ONE (1) UNIT OF FINE ART; ONE (1) UNIT OF PHYSICAL EDUCATION; ONE-HALF (.5) UNIT OF HEALTH; SEVEN AND ONE-HALF (7.5) UNITS OF CREDIT OF ELECTIVE COURSES AND ONE-HALF (.5) UNITS OF CREDIT OF PERSONAL FINANCE.** SPECIFIC REQUIREMENTS, AS PREVIOUSLY DEFINED, MUST BE MET TO QUALIFY FOR THE COLLEGE PREP COURSE OF STUDY.
5. A MAXIMUM OF THREE (3) UNITS OF CREDIT MAY BE GRANTED TOWARD GRADUATION REQUIREMENTS BY THE FOLLOWING, IF APPROVED IN ADVANCE BY THE PRINCIPAL: SUMMER SCHOOL, NIGHT SCHOOL, OR ACHIEVEMENT CREDIT. A MAXIMUM OF TWO (2) UNITS OF CREDIT MAY BE EARNED FOR EDUCATIONAL TRAVEL AND APPROVED EXTENSION OR CORRESPONDENCE COURSES BY AN ACCREDITED INSTITUTION.
6. STUDENTS MUST ALSO PASS A TEST OR TESTS ON THE PROVISIONS AND PRINCIPALS OF THE UNITED STATES AND MISSOURI CONSTITUTIONS, AND IN AMERICAN HISTORY, AND INSTITUTIONS TO QUALIFY FOR GRADUATION.
7. CREDIT WILL BE AWARDED ON A SEMESTER BASIS. ONE-HALF UNIT OF CREDIT WILL BE AWARDED FOR EACH PERIOD A CLASS MEETS FOR A SEMESTER DURING THE REGULAR SCHOOL YEAR.
8. ALL GRADUATION REQUIREMENTS MUST BE COMPLETED IN ORDER TO PARTICIPATE IN THE COMMENCEMENT EXERCISES.

## GRADE CLASSIFICATION

CLASS OF 2012 – 2013 – 2014 - 2015			
	CREDITS		CREDITS
FRESHMEN	0.00	TO	4.99
SOPHOMORE	5.00	TO	10.99
JUNIOR	11.00	TO	16.99
SENIOR	17.00	TO	24.00

## STE. GENEVIEVE HIGH SCHOOL COLLEGE PREPARATORY STUDIES DESIGNATION

IN ORDER TO QUALIFY AS A RECIPIENT OF THE COLLEGE PREPARATORY STUDIES SEAL ON DIPLOMA STUDENTS MUST MEET THE REQUIREMENTS SET FORTH IN THE FOLLOWING PARAGRAPHS.

1. COMPLETE A RIGOROUS HIGH SCHOOL PROGRAM COOPERATIVELY PLANNED BY THE SCHOOL, THE STUDENT AND THE STUDENT'S PARENTS. THE PROGRAM MUST INCLUDE AT LEAST THESE UNITS OF CREDIT:

<u>SUBJECTS</u>	<u>UNITS</u>
ENGLISH/LANGUAGE ARTS	4.0
MATHEMATICS	4.0
SCIENCE	3.0
SOCIAL STUDIES	3.0
FINE ARTS	1.0
PRACTICAL ARTS	1.0
PHYSICAL EDUCATION	1.0
HEALTH	0.5
ELECTIVES	9.0
<u>PERSONAL FINANCE</u>	<u>0.5</u>
<b>TOTAL</b>	<b>27.0</b>

2. COMPLETE A STRONG ACADEMIC PROGRAM, AS SPECIFICALLY OUTLINED BELOW, IN THE SUBJECT AREAS OF ENGLISH/LANGUAGE ARTS, MATHEMATICS, SCIENCE, SOCIAL STUDIES AND SPECIFIED CORE ELECTIVES AND MAINTAIN A FOUR YEAR CUMULATIVE ATTENDANCE OF 95%. **NO SUBSTITUTIONS ARE AUTHORIZED.**
  - o **ENGLISH/LANGUAGE ARTS**  
AT LEAST FOUR UNITS OF COLLEGE PREPARATORY ENGLISH
  - o **MATHEMATICS**  
AT LEAST FOUR UNITS, HIGH SCHOOL LEVEL ALGEBRA AND BEYOND
  - o **SCIENCE**  
AT LEAST THREE UNITS INCLUDING COLLEGE PREPARATORY PHYSICAL SCIENCE, COLLEGE PREPARATORY BIOLOGY, AND ONE OTHER ADVANCED SCIENCE (ADVANCED BIOLOGY, CHEMISTRY, OR PHYSICS) COURSE.
  - o **SOCIAL STUDIES**  
AT LEAST THREE UNITS, INCLUDING COLLEGE PREPARATORY GOVERNMENT, COLLEGE PREPARATORY WORLD HISTORY, COLLEGE PREPARATORY AMERICAN HISTORY, AND PSYCHOLOGY.
  - o **FINE ARTS**  
AT LEAST ONE UNIT OF FINE ARTS COURSES IN THE VISUAL ARTS, MUSIC, DANCE, AND THEATRE.

**STE. GENEVIEVE HIGH SCHOOL  
COLLEGE PREPARATORY STUDIES DESIGNATION (CONTINUED)**

- **PRACTICAL ARTS**  
AT LEAST ONE UNIT (PERSONAL FINANCE DOES NOT WORK TO FULFILL THIS REQUIREMENT).
  
- **PHYSICAL EDUCATION**  
ONE UNIT.
  
- **HEALTH**  
ONE-HALF UNIT.
  
- **PERSONAL FINANCE**  
ONE-HALF UNIT.
  
- **ELECTIVES**
  - **SPECIFIED CORE:** AT LEAST THREE UNITS SELECTED FROM FOREIGN LANGUAGE (TWO UNITS OF ONE FOREIGN LANGUAGE) AND/OR COMBINATIONS FROM TWO OR MORE OF THE FOLLOWING COURSE AREAS: ENGLISH, MATHEMATICS, SOCIAL STUDIES, SCIENCE, AND FINE ARTS. STATE AND/OR INTERNATIONAL HISTORY COURSES ARE PERMISSIBLE AS SOCIAL STUDIES ELECTIVES.
  - **GENERAL:** AT LEAST SIX UNITS NECESSARY TO MEET STANDARD AND OR LOCAL UNITS.

STATE OF MISSOURI  
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION  
COLLEGE PREPARATORY STUDIES CERTIFICATE

WITH THE NEW HIGH SCHOOL GRADUATION REQUIREMENTS NOW IN EFFECT, THE DEPARTMENT IS NO LONGER PRODUCING COLLEGE PREPARATORY STUDIES CERTIFICATES (CPSC) FOR DISSEMINATION. THE NEW GRADUATION REQUIREMENTS NOW CLOSELY REFLECT THE CREDIT STANDARDS THAT HAD BEEN REQUIRED FOR THE CERTIFICATE, AND IT IS THE EXPECTATION THAT ALL STUDENTS WILL BE COLLEGE AND CAREER READY.

DISTRICTS MAY CONTINUE TO OFFER SUCH RECOGNITIONS LOCALLY USING THE STANDARDS FOR THE CERTIFICATE AS OUTLINED IN THE HIGH SCHOOL GRADUATION HANDBOOK.

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT JACKIE WIEBERG, OFFICE OF QUALITY SCHOOLS, 573-751-4234 OR E-MAIL [JACKIE.WIEBERG@DESE.MO.GOV](mailto:JACKIE.WIEBERG@DESE.MO.GOV).

POSTED ON THE DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION WEBSITE: JANUARY 21, 2011

[HTTP://DESE.MO.GOV/DIVIMPROVE/CURRICULUM/COLLEGEPREP](http://DESE.MO.GOV/DIVIMPROVE/CURRICULUM/COLLEGEPREP)

PHONE: 573.751.2625

REQUIRED COURSES  
CLASS OF  
2012, 2013, 2014, 2015  
(24 CREDITS NEEDED FOR GRADUATION)

**9<sup>TH</sup> GRADE**

ENGLISH I/CP ENGLISH I  
ALGEBRA/GEOMETRY  
AMERICAN GOVERNMENT/CP AMERICAN GOVERNMENT (.5)  
PHYSICAL SCIENCE/CP PHYSICAL SCIENCE  
HEALTH (.5)  
PHYSICAL EDUCATION

**10<sup>TH</sup> GRADE**

ENGLISH II/CP ENGLISH II  
APPLIED INTEGRATED MATH II/GEOMETRY/  
PRE-CALC  
BIOLOGY/CP BIOLOGY  
WORLD HISTORY/CP WORLD HISTORY

**11<sup>TH</sup> GRADE**

ENGLISH III/CP ENGLISH III  
AMERICAN HISTORY/CP AMERICAN HISTORY  
GEOMETRY/APPLIED INTEGRATED MATH III/PRE-CALC/  
ALGEBRA II/TRIG/STATS/MATH ANALYSIS  
ECOLOGY/ADV. BIOLOGY/CHEMISTRY/ADV. CHEMISTRY/  
PHYSIOLOGY & ANATOMY/

**12<sup>TH</sup> GRADE**

ENGLISH IV/CP ENGLISH IV/ENGLISH ELECTIVE

NOTE: AN ADDITIONAL .5 UNIT OF SOCIAL STUDIES, 1.00 OF FINE ART, .5 UNIT OF PRACTICAL ART (1.00 UNIT IS SUGGESTED), .5 UNIT OF PERSONAL FINANCE AND 7.5 ELECTIVES MUST BE EARNED TO MEET GRADUATION REQUIREMENTS.

**PROCEDURES FOR GRADE REPORTING AND TRANSCRIPTING  
FOR CREDIT RECOVERY, CORRESPONDENCE COURSES, AND  
SUMMER SCHOOL**

**CREDIT RECOVERY**

- 1) STUDENTS ARE ENROLLED IN THE ELECTIVE COURSE "CREDIT RECOVERY." FOR THIS COURSE THEY WILL RECEIVE A REGULAR GRADE AND POINTS TOWARD GPA.
- 2) STUDENTS WILL BE SIMULTANEOUSLY ENROLLED IN "CR ALGEBRA I" OR "CR ENGLISH I" OR WHATEVER COURSE THEY ARE USING A SOFTWARE PROGRAM TO RECOUP LOST CREDIT FOR A COURSE THEY HAVE PREVIOUSLY FAILED IN THE REGULAR CLASSROOM. FOR THIS COURSE, THEY WILL RECEIVE ONLY CREDIT/NO CREDIT AND NO POINTS TOWARD GPA. THEY ONLY RE-GAIN THE LOST CREDIT TOWARD GRADUATION.

**SUMMER SCHOOL/CORRESPONDENCE COURSES**

- 1) STUDENTS DO NOT RECEIVE A GRADE FOR THESE COURSES; THEY ONLY RECEIVE CREDIT/NO CREDIT.
- 2) STUDENTS DO NOT RECEIVE POINTS TOWARD GPA FOR THESE COURSES. THEY WILL ONLY REGAIN THE LOST CREDIT FOR A COURSE THEY PREVIOUSLY FAILED IN THE REGULAR CLASSROOM.
- 3) ALL CORRESPONDENCE COURSES MUST BE APPROVED THROUGH THE PRINCIPAL'S OFFICE.

**\* EXCEPTION:** WITH THE PRINCIPAL'S APPROVAL, A STUDENT MAY TAKE A CORRESPONDENCE COURSE FOR A CLASS THAT HE/SHE HAS NOT TAKEN IN THE CLASSROOM IN ORDER TO BE ABLE TO GRADUATE. STUDENTS DO NOT RECEIVE POINTS TOWARD GPA FOR THESE COURSES. STUDENTS DO NOT RECEIVE A GRADE FOR THESE COURSES; THEY ONLY RECEIVE CREDIT/NO CREDIT.

## LANGUAGE ARTS

### ENGLISH CORE

#### ENGLISH I

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: LIBRARY RESEARCH; 2-3 NOVELS.

DESCRIPTION: ENGLISH I IS CONSIDERED A BASIC INTRODUCTORY COURSE. IT COVERS A WIDE VARIETY OF AUTHORS FROM MANY GENRES. LITERATURE AND COMPOSITION ARE UTILIZED TOGETHER THROUGH THE WRITING PROCESS, INCORPORATING VOCABULARY DEVELOPMENT, AND GRAMMATICAL AND LITERARY ELEMENTS.

#### ENGLISH I, COLLEGE PREP

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9

PRE-REQUISITES: RECOMMENDATION OF 8<sup>TH</sup> GRADE INSTRUCTOR.

MAJOR REQUIREMENTS OR PROJECTS: LITERARY ANALYSIS, RESEARCH PROJECT, DAILY READING ASSIGNMENTS, DAILY WRITTEN ASSIGNMENTS, TWO CLASSICAL NOVELS, ONE CONTEMPORARY NOVEL.

DESCRIPTION: CP ENGLISH I IS A YEAR-LONG COURSE IN WHICH STUDENTS ARE INTRODUCED TO A BLEND OF CLASSIC AND CONTEMPORARY LITERATURE OF MOTIVATIONAL AND REAL-WORLD CONNECTIONS. IT INVOLVES A RIGOROUS STUDY IN VOCABULARY DEVELOPMENT AND EMPHASIZES MORE STRINGENT GRAMMATICAL SYNTAX THAN THE BASIC COURSE OF TECHNICAL PREPARATION. EXTENSIVE ANALYSES, DEEPER CRITICAL THINKING SKILLS, AND CHALLENGING WRITING EXPERIENCES BROADEN THE STUDENT'S KNOWLEDGE OF LANGUAGE ARTS. WRITING PROCESS SKILLS ARE EMPHASIZED. A 1,000 WORD RESEARCH PAPER IS REQUIRED. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

#### ENGLISH II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10

PRE-REQUISITES: ENGLISH I OR COLLEGE PREP ENGLISH I.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT, 2-4 NOVELS.

DESCRIPTION: THE ENGLISH II CLASS IS A YEAR-LONG COURSE WHICH ENCOMPASSES TWO MAIN AREAS: LITERATURE AND COMPOSITION. STUDENTS ARE INTRODUCED TO A SURVEY OF WORLD LITERATURE IN THE AREAS OF SHORT STORY, ESSAY, POETRY, DRAMA, AND FICTION. COMPOSITION IS TAUGHT THROUGH THE WRITING PROCESS. GRAMMAR RULES AND NEW VOCABULARY WORDS ARE APPLIED TO THE PROCESS OF COMPOSING. THE DEVELOPMENT OF PARAGRAPHS IS STRESSED THROUGHOUT THE COURSE. A RESEARCH PROJECT IS ALSO WRITTEN ON THE TOPIC OF CAREERS.

**ENGLISH II, COLLEGE PREP****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10

PRE-REQUISITES: RECOMMEND A C IN ENGLISH I OR COLLEGE PREP ENGLISH I; WORD PROCESSING RECOMMENDED.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PAPER, 3-5 COMPOSITIONS, 4-6 NOVELS.

DESCRIPTION: COLLEGE PREPARATORY ENGLISH II IS A YEAR-LONG COURSE ENCOMPASSING TWO MAIN AREAS: LITERATURE AND COMPOSITION. STUDENTS WILL STUDY A SURVEY OF WORLD LITERATURE OF VARIOUS GENRES. COMPOSITION IS TAUGHT THROUGH THE WRITING PROCESS. GRAMMAR RULES AND NEW VOCABULARY WORDS ARE APPLIED TO THE PROCESS OF COMPOSING. A RESEARCH PAPER ON THE TOPIC OF CAREERS IS WRITTEN. AN EMPHASIS ON APPLYING CRITICAL THINKING SKILLS TO PREPARE STUDENTS FOR FURTHER STUDIES ON THE COLLEGE LEVEL IS AN IMPORTANT COMPONENT OF THIS COURSE. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**ENGLISH III****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11

PRE-REQUISITES: ENGLISH II OR COLLEGE PREP ENGLISH II.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PAPER; FOUR NOVELS.

DESCRIPTION: STUDENTS IN ENGLISH III CONTINUE THE STUDY OF THE WRITING PROCESS. STUDENTS STUDY AMERICAN LITERATURE AND WRITE A RESEARCH PAPER ON A GENERAL TOPIC THAT IS TEACHER-APPROVED. SEVERAL NOVELS BY AMERICAN AUTHORS ARE ALSO STUDIED.

**ENGLISH III, COLLEGE PREP****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11

PRE-REQUISITES: RECOMMEND A C IN ENGLISH II OR COLLEGE PREP ENGLISH II; WORD PROCESSING RECOMMENDED.

COST: OPTIONAL 3 HOURS COLLEGE CREDIT PER SEMESTER FROM SAINT LOUIS UNIVERSITY. CREDIT WILL BE ISSUED FOR GRADES A THROUGH C ONLY.

MAJOR REQUIREMENTS OR PROJECTS: 3-5 COMPOSITIONS (ONE RESEARCH-BASED); 5-7 NOVELS.

DESCRIPTION: COLLEGE PREPARATORY ENGLISH III EMPHASIZES WRITING AND READING WITH SOME WORK ON LISTENING AND SPEAKING. THE READING (LITERATURE) IS A CHRONOLOGICAL SURVEY OF AMERICAN LITERATURE FROM THE PURITANS TO THE MODERN AGE. FIVE TO SEVEN NOVELS ALONG WITH TWO TO THREE PLAYS ARE READ THROUGHOUT THE YEAR. THE WRITINGS (ESSAYS) ARE TRADITIONAL EXPOSITORY WRITINGS WHICH CLOSELY FOLLOW SAINT LOUIS UNIVERSITY'S COURSE DESCRIPTION FOR COMPOSITION I. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT (2<sup>ND</sup> SEMESTER) THROUGH ST. LOUIS UNIVERSITY.**

## ENGLISH IV

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: ENGLISH III OR COLLEGE PREP ENGLISH III.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: ENGLISH IV EMPHASIZES READING AND WRITING AS WELL AS LISTENING AND SPEAKING SKILLS. WRITING FOR AREAS OF TECHNICAL PREPARATION INCLUDING VOCABULARY, OCCUPATIONAL PREPARATION, AND A RESEARCH PROJECT WILL BE COMPLETED IN THIS COURSE. LITERATURE AND COMPOSITION ARE UTILIZED TOGETHER THROUGH THE WRITING PROCESS.

## ENGLISH IV, COLLEGE PREP

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: RECOMMEND A C IN ENGLISH III OR COLLEGE PREP ENGLISH III; WORD PROCESSING SKILLS RECOMMENDED; WORD PROCESSING ACCESS RECOMMENDED; RECOMMENDED INTERNET ACCESS; A NON-WEIGHTED GPA OF 3.00 IN ORDER TO ENROLL FOR SLU DUAL ENROLLMENT CLASS; HAVING TAKEN AND PASSED COLLEGE PREP ENGLISH III IN ORDER TO ENROLL FOR SLU DUAL ENROLLMENT CLASS

COST: OPTIONAL 3 HOURS COLLEGE CREDIT PER SEMESTER FROM SAINT LOUIS UNIVERSITY. CREDIT WILL BE ISSUED FOR GRADES A THROUGH C ONLY.

MAJOR REQUIREMENTS OR PROJECTS: LITERARY ANALYSIS, DAILY READING ASSIGNMENTS, DAILY WRITTEN ASSIGNMENTS, 2000 WORD RESEARCH PAPER, 6-7 NOVELS.

DESCRIPTION: THIS COURSE EMPHASIZES READING AND WRITING SKILLS WITH SOME WORK ON LISTENING AND SPEAKING AS WELL. THE READING IS, FOR THE MOST PART, A CHRONOLOGICAL SURVEY OF BRITISH LITERATURE FROM THE MIDDLE AGES THROUGH THE MODERN AGE. IN ADDITION TO THIS, SIX OR SEVEN BRITISH NOVELS ARE READ THROUGHOUT THE YEAR. THE WRITING IN THIS COURSE IS TRADITIONAL EXPOSITORY WRITING WITH SOME CREATIVE WRITING AS WELL. THROUGHOUT THE COURSE MUCH OF THE WRITING IS LITERATURE BASED. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.**

## LANGUAGE ARTS ELECTIVES

### CREATIVE WRITING

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: WORD PROCESSING SKILLS, A DESIRE TO WRITE.

MAJOR REQUIREMENTS OR PROJECTS: ORIGINAL SHORT STORY, ORIGINAL ONE ACT PLAY.

DESCRIPTION: CREATIVE WRITING IS A SEMESTER LONG ELECTIVE COURSE DESIGNED FOR INDIVIDUALS WHO ENJOY WRITING FICTION AND POETRY. STUDENTS WILL DEVELOP CONFIDENCE IN THEIR ABILITY TO EXPRESS THEMSELVES THROUGH WRITING AND ADAPT THEIR WRITING STYLE TO DIFFERENT GENRES. THE CLASS WILL COVER SHORT STORIES, POETRY, DRAMA, AND CHILDREN'S LITERATURE. STUDENTS WILL BE EXPECTED TO KEEP A JOURNAL AND WRITE EVERY DAY IN CLASS.

### ORAL INTERPRETATION

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: COMPETE IN FOUR OR MORE TOURNAMENTS.

DESCRIPTION: FORENSICS IS A FIRST SEMESTER COURSE WHICH ENCOMPASSES THE AREAS OF PUBLIC SPEAKING AND DRAMA. STUDENTS ARE TAUGHT EFFECTIVE PUBLIC SPEAKING SKILLS AND ARE GIVEN OPPORTUNITIES TO PRACTICE AND COMPETE WITH THESE SKILLS AGAINST OTHER STUDENTS. STUDENTS LEARN HOW TO RESEARCH, ORGANIZE, AND WRITE A SPEECH. THEY ARE ALSO INTRODUCED DIFFERENT AREAS OF DRAMA AND ORAL INTERPRETATION. INSTRUCTION FOR CUTTING AND DELIVERING CONTEST AREAS OF PROSE, POETRY, AND DRAMATIC INTERPRETATION ARE GIVEN. ONE MAY PICK UP TO FOUR DIFFERENT CATEGORIES TO COMPETE IN AT TOURNAMENTS. STUDENTS ARE EXPECTED TO PERFORM AT FOUR TOURNAMENTS IN THE FALL, AND IF THE STUDENT EARNS ENOUGH POINTS TO GO TO FINALS, HE/SHE MUST ATTEND THAT TOURNAMENT ALSO. THIS CLASS WILL NOT COUNT TOWARD ENGLISH CREDIT FOR GRADUATION. THIS CLASS CAN BE TAKEN MORE THAN ONCE.

### MEDIA LITERACY

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: ONE FINAL PROJECT, ONE ANALYSIS PAPER.

DESCRIPTION: STUDENTS WILL ANALYZE ALL FORMS OF MEDIA INCLUDING WEB SITES, MAGAZINES, NEWSPAPERS, ADVERTISEMENTS, NEWSCASTS, TELEVISION, AND FILM. STUDENTS WILL LEARN TO ANALYZE AND EVALUATE THESE FORMS OF MEDIA, AS WELL AS CREATING THEIR OWN EXAMPLES. STUDENTS WILL ALSO DISCOVER THE MEDIA'S INFLUENCE ON OUR CULTURE. STUDENTS WILL LEARN HOW TRADITIONAL LITERARY TECHNIQUES SUCH AS SYMBOLISM, ALLITERATION, METAPHORS, SIMILES, ETC. ARE UTILIZED IN TODAY'S MEDIA.

## **COMMUNICATION IN THE WORKPLACE**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: TECHNICAL PREPARATORY OR COLLEGE PREPARATORY ENGLISH I

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: COMMUNICATION IN THE WORK PLACE IS A SEMESTER CLASS WHICH WILL FOCUS ON COMMUNICATION SKILLS FOR TODAY'S WORK SETTINGS. STUDENTS WILL CREATE AND PRESENT VARIOUS FORMS ELECTRONIC AND WRITTEN COMMUNICATION. WRITING IN THIS COURSE WILL EMPHASIZE THE IMPORTANCE OF CONSIDERING: AUDIENCE, PLANNING, GATHERING AND RECORDING INFORMATION, WRITING ROUGH DRAFTS, SEEKING FEEDBACK, REVISING DRAFTS, AND FOLLOW-UP ACTIVITIES. LOCAL BUSINESS LEADERS WILL SHARE THEIR EXPECTATIONS REGARDING WORKPLACE COMMUNICATION WITH STUDENTS.

## **JOURNALISM**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: WRITTEN APPLICATION, TEACHER RECOMMENDATION, PERMISSION OF INSTRUCTOR, RECOMMEND C AVERAGE IN ENGLISH.

MAJOR REQUIREMENTS OR PROJECTS: "THE SGHS SPIRIT" SCHOOL NEWSPAPER; SCHOOL PUBLIC RELATIONS PROJECTS.

DESCRIPTION: STUDENTS ENROLLED IN JOURNALISM STUDY THE PRODUCTION OF PRINT JOURNALISM WITH THE EMPHASIS ON ALL ASPECTS OF PRODUCTION OF THE SCHOOL NEWSPAPER A MINIMUM OF SEVEN TIMES DURING THE SCHOOL YEAR. STUDENTS COMPILE NEWS, FEATURE, SPORTS, EDITORIAL, AND ENTERTAINMENT IDEAS, THEN INTERVIEW SOURCES AND WRITE STORIES. STUDENTS ARE ALSO INVOLVED IN ALL PHASES OF PRODUCTION INCLUDING ADVERTISING, PHOTOGRAPHY, COPY EDITING AND DESIGN. ALL STUDENTS ARE REQUIRED TO WRITE FOR PUBLICATION. EXTRA TIME AFTER SCHOOL IS REQUIRED. THIS CLASS CAN BE TAKEN MORE THAN ONCE.

## **APPRECIATION OF LITERATURE**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: RECOMMEND C AVERAGE IN PREVIOUS SEMESTER'S ENGLISH CLASS.

MAJOR REQUIREMENTS: LITERARY ANALYSIS, DAILY READING ASSIGNMENTS, DAILY WRITTEN ASSIGNMENTS, ONE CONTEMPORARY NOVEL (SHORT STORY COLLECTION).

DESCRIPTION: LITERARY SHORTS IS A COURSE DESIGNED FOR STUDENTS WHO ENJOY READING SHORT LITERARY SELECTIONS. STUDENTS WILL READ SHORT STORIES, SHORT NON-FICTION SELECTIONS, PLAYS AND POEMS. THEY WILL ALSO WRITE IN SOME OF THESE GENRES USING TECHNIQUES THEY LEARN IN THEIR READING OF PUBLISHED WORKS.

**PLAY PRODUCTION****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: PRODUCTION AT END OF SEMESTER.

DESCRIPTION: ASPECTS OF PLAY PRODUCTION, INCLUDING SET DESIGN AND CONSTRUCTION, LIGHTING, ACTING AND DIRECTING, MAKE-UP, AND COSTUMING WILL BE TAUGHT. THIS CLASS WILL NOT COUNT TOWARD ENGLISH CREDIT FOR GRADUATION.

**SCHOOL PUBLICATIONS****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: WRITTEN APPLICATION, TEACHER RECOMMENDATION, PERMISSION OF INSTRUCTOR, RECOMMEND C AVERAGE IN ENGLISH.

MAJOR REQUIREMENTS OR PROJECTS: DESIGN AND PRODUCTION OF DRAGON YEARBOOK.

DESCRIPTION: THE PUBLICATIONS CLASS STUDIES MAGAZINE AND YEARBOOK PRODUCTION WITH EMPHASIS ON CREATIVE AND FEATURE WRITING SKILLS. CLASS MEMBERS PRODUCE THE HIGH SCHOOL YEARBOOK IN A TWO-SEMESTER COURSE. STUDENTS WILL WORK IN ALL PHASES OF PRODUCTION INCLUDING ADVERTISING, COPY WRITING, PHOTOGRAPHY AND DESIGN. ALL STUDENTS ARE REQUIRED TO WRITE FOR PUBLICATION. EXTRA TIME AFTER SCHOOL IS REQUIRED. THIS CLASS WILL NOT COUNT TOWARD ENGLISH CREDIT FOR GRADUATION. THIS CLASS CAN BE TAKEN MORE THAN ONCE.

**SPEECH****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: RECOMMEND C AVERAGE IN PREVIOUS SEMESTER'S ENGLISH CLASS.

MAJOR REQUIREMENTS OR PROJECTS: FOUR MAJOR SPEECHES WILL BE GIVEN.

DESCRIPTION: STUDENTS WILL LEARN THE FUNDAMENTALS OF PUBLIC SPEAKING. OPPORTUNITIES FOR PUBLIC SPEAKING ON A VARIETY OF LEVELS WILL BE GIVEN. ALSO, STUDENTS WILL BE TAUGHT THE COMMUNICATION PROCESS, INCLUDING VERBAL AND NON-VERBAL LANGUAGE.

## **MYTHOLOGY**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: TECHNICAL PREPARATORY OR COLLEGE PREPARATORY ENGLISH I AND MUST BE CLASSIFIED AS A SOPHOMORE.

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: THIS SEMESTER COURSE EMPHASIZES READING AND WRITING SKILLS WITH SOME WORK ON LISTENING AND SPEAKING. THE READING IS, FOR THE MOST PART, A GEOGRAPHICAL SURVEY OF WORLD MYTHS AND LEGENDS THROUGHOUT THE AGES. THE WRITING IN THIS COURSE IS TRADITIONAL EXPOSITORY WRITING WITH ROOM FOR CREATIVE/TECHNOLOGICAL PROJECTS. THROUGHOUT THE COURSE, MUCH OF THE WRITING IS LITERATURE BASED.

## **WORLD LITERATURE**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: TECHNICAL PREPARATORY OR COLLEGE PREPARATORY ENGLISH I AND MUST BE CLASSIFIED AS A SOPHOMORE.

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: THIS SEMESTER COURSE EMPHASIZES READING AND WRITING SKILLS WITH SOME WORK ON LISTENING AND SPEAKING. THE READING IS, FOR THE MOST PART, A CHRONOLOGICAL SURVEY OF LITERARY WORKS FROM AROUND THE WORLD. THE TIME SPAN WILL INCLUDE WORKS FROM AROUND 3000 B.C. AND A.D. 500. THE WRITING IN THIS COURSE IS TRADITIONAL EXPOSITORY WRITING WITH ROOM FOR CREATIVE/TECHNOLOGICAL PROJECTS. THROUGHOUT THE COURSE, MUCH OF THE WRITING IS LITERATURE BASED.

## **CONTEMPORARY LITERATURE**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: TECHNICAL PREPARATORY OR COLLEGE PREPARATORY ENGLISH I AND MUST BE CLASSIFIED AS A SOPHOMORE.

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: THIS SEMESTER COURSE EMPHASIZES READING AND WRITING SKILLS WITH SOME WORK ON LISTENING AND SPEAKING. THE READING IS, FOR THE MOST PART, A CHRONOLOGICAL SURVEY OF LITERARY WORKS FROM AROUND THE WORLD. THE TIME SPAN WILL INCLUDE WORKS FROM AROUND A.D. 450 TO PRESENT. THE WRITING IN THIS COURSE IS TRADITIONAL EXPOSITORY WRITING WITH ROOM FOR CREATIVE/TECHNOLOGICAL PROJECTS. THROUGHOUT THE COURSE, MUCH OF THE WRITING IS LITERATURE BASED.

**FILM COMPOSITION AND LITERATURE****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: DURING THIS SEMESTER CLASS, STUDENTS WILL VIEW AND DISCUSS REPRESENTATIVE FILMS FROM VARIOUS ERAS. THE COURSE WILL EMPHASIZE THE DEVELOPMENT OF VARIOUS SCREEN ADAPTATIONS. READING, WRITING, AND SPEAKING WILL BE EMPHASIZED.

**DRAMATICS****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: STUDENTS TAKING THIS COURSE WILL READ, DISCUSS, AND ANALYZE MODERN PLAYS TO DISCOVER HOW EACH PLAY HAS AN INFLUENCE ON ISSUES OCCURRING IN SOCIETY DURING THE TIME PERIOD EACH WAS WRITTEN. STUDENTS WILL APPLY WHAT THEY HAVE READ TO LESSONS THAT COULD BE LEARNED FROM THE SITUATIONS FACING THE MAIN CHARACTERS. POSSIBLE PLAYS TO BE COVERED INCLUDE *THE GLASS MENAGERIE* BY TENNESSEE WILLIAMS, *BLACK EXPERIENCE IN AMERICA* BY AUGUST WILSON, AND *TRAGEDY AND THE COMMON MAN* BY ARTHUR MILLER.

**FOREIGN LANGUAGE****FRENCH****FRENCH I****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: PRODUCE VIDEO OF FRENCH SPEAKING COUNTRY; INDIVIDUAL FOOD PREPARATION.

DESCRIPTION: FRENCH I INTRODUCES THE BEGINNING FRENCH STUDENT TO ORAL AND WRITTEN LANGUAGE, AS WELL AS EXPOSING THE STUDENT TO THE CULTURE OF FRANCOPHONE PEOPLES. VOCABULARY DEVELOPMENT, GRAMMAR STRUCTURE, AND FRANCOPHONE CULTURES ARE TAUGHT THROUGH THE USE OF A TEXTBOOK, AUDIO AND VIDEO TAPES, THE INTERNET, AND CLASSROOM CONVERSATIONS AND PROJECTS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## FRENCH II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: SCRAPBOOK OF VIRTUAL TRIP TO PARIS.

DESCRIPTION: FRENCH II CONTINUES THE DEVELOPMENT OF ORAL AND WRITTEN COMMUNICATION THROUGH THE USE OF A TEXTBOOK, AUDIO AND VIDEO TAPES, THE INTERNET, AND CLASSROOM CONVERSATION AND PRESENTATIONS. THE STUDENTS READ SHORT SELECTIONS IN FRENCH AND CONTINUE THEIR STUDY OF THE FRENCH CULTURE. THE EMPHASIS IN THE SECOND FRENCH COURSE IS ON GRAMMAR THROUGH GUIDED AND INDEPENDENT PRACTICE. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## FRENCH III

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: READ LEPETIT PRINCE BY ANTOINE DE ST EXUPERY.

DESCRIPTION: FRENCH III DEVELOPS THE READING, WRITING, LISTENING AND SPEAKING ABILITIES OF THE STUDENT THROUGH FRENCH LITERATURE, GRAMMAR STUDY, AUDIO AND VIDEO CASSETTES OF NATIVE SPEAKERS AND FILMS. STUDENTS SPEAK IN FRENCH FOR EXTENDED PERIODS OF TIME. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## FRENCH IV

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: WRITE AN EXPLANATION OF A MAJOR NOVEL OR PLAY.

DESCRIPTION: FRENCH IV FURTHER DEVELOPS THE READING, WRITING, AND SPEAKING ABILITIES OF THE STUDENT THROUGH CONTEMPORARY FRENCH LITERATURE COMBINED WITH SEVERAL CLASSIC SELECTIONS. THIS CLASS DEVELOPS AN APPRECIATION OF FRENCH LITERATURE. STUDENTS DEVELOP BETTER WRITING SKILLS IN FRENCH THROUGH FREQUENT PRACTICE. THEY ALSO SPEAK OFTEN IN FRENCH AND OCCASIONALLY SEE FRENCH FILMS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.**

## FOREIGN LANGUAGE

### GERMAN

#### GERMAN I

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: GERMAN I INTRODUCES THE STUDENTS TO THE ORAL AND WRITTEN LANGUAGE. THE STUDENT ALSO BECOMES ACQUAINTED WITH GERMAN CULTURAL INFLUENCES IN AMERICA AND THEIR ORIGINS. TAPED DIALOGUES, VIDEOS, AND GERMAN CURRENT LITERATURE ARE USED. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

#### GERMAN II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: GERMAN II CONTINUES THE DEVELOPMENT OF ORAL AND WRITTEN COMMUNICATION THROUGH THE USE OF CONVERSATION, TEXT, AUDIO AND VIDEO TAPES. THE STUDENTS READ SOME SHORT GERMAN LITERARY SELECTIONS AND CONTINUE THEIR STUDY OF THE GERMAN CULTURE. THE EMPHASIS IN THE SECOND GERMAN COURSE IS ON GRAMMAR. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

#### GERMAN III

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: SHORT COMPOSITIONS IN GERMAN AND A RESEARCH PROJECT.

DESCRIPTION: GERMAN III DEVELOPS THE READING, WRITING, LISTENING AND SPEAKING ABILITIES OF THE STUDENT THROUGH GERMAN LITERATURE, GRAMMAR STUDY, AUDIO AND VIDEO CASSETTES OF NATIVE SPEAKERS AND FILMS. STUDENTS SPEAK ONLY IN GERMAN FOR EXTENDED PERIODS OF TIME. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## GERMAN IV

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: GERMAN IV FURTHER DEVELOPS THE READING, WRITING, AND SPEAKING ABILITIES OF THE STUDENT THROUGH CONTEMPORARY GERMAN LITERATURE COMBINED WITH SEVERAL CLASSIC SELECTIONS. THIS CLASS DEVELOPS AN APPRECIATION OF GERMAN LITERATURE. STUDENTS DEVELOP BETTER WRITING SKILLS IN GERMAN THROUGH FREQUENT PRACTICE. THEY ALSO SPEAK OFTEN IN GERMAN AND OCCASIONALLY SEE GERMAN FILMS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## FOREIGN LANGUAGE

### SPANISH

## SPANISH I

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: IN ORDER TO MEET COLLEGE ADMISSIONS REQUIREMENTS, STUDENTS MUST TAKE AT LEAST TWO YEARS IN THE SAME FOREIGN LANGUAGE. IN A GLOBAL SOCIETY, STUDENTS NEED TO UNDERSTAND, SPEAK, WRITE, AND RESPOND IN LANGUAGES OTHER THAN ENGLISH. STUDENTS ALSO NEED TO UNDERSTAND CULTURAL PERSPECTIVES THAT GENERATE PATTERNS OF BEHAVIOR AND SHAPE WORLDVIEWS. FINALLY, AS LIFELONG LEARNERS, STUDENTS DEVELOP SKILLS WHILE LEARNING A SECOND LANGUAGE THAT ENHANCE THEIR CAREER OPTIONS, ENRICHING THEIR OWN LIVES.

SPANISH I INTRODUCES THE BEGINNING SPANISH STUDENT TO ORAL AND WRITING LANGUAGE, AS WELL AS EXPOSING THE STUDENT TO THE CULTURE OF THE SPANISH-SPEAKING WORLD. STUDENTS WILL LEARN TO EXCHANGE GREETING, TALK ABOUT THE WEATHER, AND USE NUMBERS TO TELL TIME, DATES, AND PRICES. STUDENTS WILL STUDY THE LANGUAGE WHILE LEARNING ABOUT THE HISTORY AND GEOGRAPHY OF THE SPANISH WORLD, AND THE CUSTOMS AND DAILY LIFE OF THE SPANISH PEOPLE.

VOCABULARY DEVELOPMENT, GRAMMAR STRUCTURE, AND SPANISH-SPEAKING WORLD CULTURE ARE TAUGHT THROUGH THE USE OF A TEXTBOOK, AUDIO AND VIDEOTAPES, THE INTERNET, AND CLASSROOM CONVERSATIONS AND PROJECTS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**SPANISH II****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: IN ORDER TO MEET COLLEGE ADMISSIONS REQUIREMENTS, STUDENTS MUST TAKE AT LEAST TWO YEARS IN THE SAME FOREIGN LANGUAGE. IN A GLOBAL SOCIETY STUDENTS WHO MAY NOT BE GOING TO COLLEGE CAN ALSO BENEFIT FROM LEARNING A SECOND LANGUAGE AND BEING EXPOSED TO ANOTHER CULTURE. STUDYING A FOREIGN LANGUAGE ALSO PROVIDES STUDENTS A BETTER UNDERSTANDING OF THEIR OWN NATIVE LANGUAGE.

SPANISH II IS THE COURSE IN WHICH THE STUDENT CONTINUES TO DEVELOP LANGUAGE SKILLS AND KNOWLEDGE ABOUT THE SPANISH PEOPLE AS WELL AS THE DIFFERENT SPANISH COUNTRIES. STUDENTS WILL USE THE PRESENT, PAST, AND COMPOUND TENSES OF REGULAR AND IRREGULAR VERBS. COMMUNICATION SKILLS ARE STRESSED AS WELL AS LISTENING AND READING COMPREHENSION SKILLS.

ALSO THE STUDENT WILL STUDY THE LANGUAGE WHILE LEARNING ABOUT THE HISTORY AND GEOGRAPHY OF THE SPANISH WORLD, AND THE CUSTOMS AND DAILY LIFE OF THE SPANISH PEOPLE. VOCABULARY DEVELOPMENT, GRAMMAR STRUCTURE, AND SPANISH-SPEAKING WORLD CULTURE ARE TAUGHT THROUGH THE USE OF A TEXTBOOK, AUDIO AND VIDEOTAPES, THE INTERNET, AND CLASSROOM CONVERSATIONS AND PROJECTS. **AS SPANISH I, SPANISH II IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**SPANISH III****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: TO CONTINUE STUDYING A FOREIGN LANGUAGE WILL GIVE STUDENTS GREATER OPPORTUNITIES IN THEIR FUTURE. THE ENGLISH LANGUAGE IS NOT THE CENTER OF THE UNIVERSE; THOSE WHO STUDIED A SECOND LANGUAGE WILL HAVE THE ADVANTAGE. THE STUDY OF A FOREIGN LANGUAGE IS A VERY IMPORTANT PART OF A STUDENT'S PREPARATION IN ORDER TO OBTAIN A COMPLETE EDUCATION. THIS COURSE FAMILIARIZES STUDENTS MORE WITH SPANISH CULTURE, AS WELL AS ENABLING THEM TO READ, WRITE, SPEAK, AND LISTEN MORE EFFECTIVELY IN THE SPANISH LANGUAGE. ALL STUDENTS CAN BENEFIT FROM THIS COURSE BY GIVING THEM A GREATER AWARENESS OF THE WORLD.

SPANISH III IS PROVIDED FOR THE STUDENT WHO WISHES TO CONTINUE HIS/HER STUDY OF FUTURE SPANISH CAREER OR PERSONAL GOALS. STUDENTS CONTINUE TO DEVELOP THEIR COMMUNICATIVE SKILLS WHILE LEARNING MORE ABOUT THE SPANISH-SPEAKING WORLD PEOPLE AND LIVES. THE CULTURAL STUDY AT THIS ADVANCED LEVEL IS VERY WIDE-RANGED.

**THIS IS A COLLEGE PREPARATORY COURSE AND REQUIRES FINAL TEST AND RESEARCH PROJECT.**

## SPANISH IV

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: RECOMMEND C- AVERAGE OR HIGHER FROM PREVIOUS LEVEL.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECT.

DESCRIPTION: TO CONTINUE STUDYING A FOREIGN LANGUAGE WILL GIVE STUDENTS GREATER OPPORTUNITIES IN THEIR FUTURE. THE ENGLISH LANGUAGE IS NOT THE CENTER OF THE UNIVERSE; THOSE WHO STUDIED A SECOND LANGUAGE WILL HAVE THE ADVANTAGE. THE STUDY OF A FOREIGN LANGUAGE IS A VERY IMPORTANT PART OF A STUDENT'S PREPARATION IN ORDER TO OBTAIN A COMPLETE EDUCATION. THIS COURSE FAMILIARIZES STUDENTS MORE WITH SPANISH CULTURE, AS WELL AS ENABLING THEM TO READ, WRITE, SPEAK, AND LISTEN MORE EFFECTIVELY IN THE SPANISH LANGUAGE. ALL STUDENTS CAN BENEFIT FROM THIS COURSE BY GIVING THEM A GREATER AWARENESS OF THE WORLD.

SPANISH III IS PROVIDED FOR THE STUDENT WHO WISHES TO CONTINUE HIS/HER STUDY OF FUTURE SPANISH CAREER OR PERSONAL GOALS. STUDENTS CONTINUE TO DEVELOP THEIR COMMUNICATIVE SKILLS WHILE LEARNING MORE ABOUT THE SPANISH-SPEAKING WORLD PEOPLE AND LIVES. THE CULTURAL STUDY AT THIS ADVANCED LEVEL IS VERY WIDE-RANGED.

THIS IS A COLLEGE PREPARATORY COURSE AND REQUIRES FINAL TEST AND RESEARCH PROJECT.

## MATHEMATICS CORE/ELECTIVES

### ALGEBRA

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9

PRE-REQUISITES: 8<sup>TH</sup> GRADE MATH

MAJOR REQUIREMENTS OR PROJECTS: A SCIENTIFIC CALCULATOR WITH A FRACTION KEY IS REQUIRED (PREFERABLY A TEXAS INSTRUMENT).

DESCRIPTION: ALGEBRA I IS AN INTEGRATED MATHEMATICS COURSE STRUCTURED AROUND THE STRANDS OF NUMBER AND OPERATIONS, ALGEBRAIC RELATIONSHIPS, GEOMETRIC AND SPATIAL RELATIONSHIPS, MEASUREMENT, AND PROBABILITY.

### INTEGRATED MATH II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10

PRE-REQUISITES: ALGEBRA I

COST:

MAJOR REQUIREMENTS OR PROJECTS: A SCIENTIFIC CALCULATOR WITH A FRACTION KEY IS REQUIRED (PREFERABLY A TEXAS INSTRUMENT).

DESCRIPTION: INTEGRATED MATH II IS AN INTEGRATED MATHEMATICS COURSE STRUCTURED AROUND THE STRANDS OF NUMBER AND OPERATIONS, ALGEBRAIC RELATIONSHIPS, GEOMETRIC AND SPATIAL RELATIONSHIPS, MEASUREMENT, AND DATA AND PROBABILITY.

**GEOMETRY****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9,10,11,12

PRE-REQUISITES: B AVERAGE OR BETTER IN 8<sup>TH</sup> GRADE ALGEBRA OR C AVERAGE OR BETTER IN ALGEBRA I

MAJOR REQUIREMENTS OR PROJECTS: A SCIENTIFIC CALCULATOR WITH A FRACTION KEY IS REQUIRED (PREFERABLY A TEXAS INSTRUMENT).

DESCRIPTION: GEOMETRY IS AN INTEGRATED MATHEMATICS COURSE STRUCTURED AROUND THE STRANDS OF NUMBER AND OPERATIONS, ALGEBRAIC RELATIONSHIPS, GEOMETRIC AND SPATIAL RELATIONSHIPS, MEASUREMENT, AND DATA AND PROBABILITY. THE IMPLEMENTATION OF THESE OBJECTIVES FOR GEOMETRY WILL BE DEVELOPED AROUND THE USE OF TECHNOLOGY IN THE MATHEMATICS CLASSROOM. **THIS IS A WEIGHTED COURSE THAT REQUIRES COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT.**

**INTEGRATED MATH III****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11,12

PRE-REQUISITES: ALGEBRA I, INTEGRATED MATH II

MAJOR REQUIREMENTS OR PROJECTS: A SCIENTIFIC CALCULATOR (PREFERABLY A TEXAS INSTRUMENT)

DESCRIPTION: INTEGRATED MATH III IS STRUCTURED AROUND THE DEFINITIONS, RELATIONSHIPS AND APPLICATIONS RELATED TO HIGH SCHOOL LEVEL GEOMETRY. A DISCOVERY APPROACH IS SUPPORTED BY THE USE OF TECHNOLOGY, AND THEN APPLIED WITH ALGEBRA, DIAGRAMS AND REAL-WORLD PROBLEMS.

**PRE-CALCULUS****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10,11,12

PRE-REQUISITES: B AVERAGE OR BETTER IN GEOMETRY OR DUAL ENROLLMENT IN GEOMETRY WITH TEACHER'S PERMISSION.

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: PRE-CALCULUS CONSISTS OF A COMPREHENSIVE REVIEW AND EXPANSION OF THE TOPICS DISCUSSED IN ALGEBRA I AND A THOROUGH TREATMENT OF LOGARITHMIC AND EXPONENTIAL FUNCTIONS, THE SOLUTIONS TO HIGHER DEGREE EQUATIONS, MATRIX ALGEBRA, AND SEQUENCES AND SERIES. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**ALGEBRA II****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10,11,12

PRE-REQUISITES: C AVERAGE OR BETTER IN GEOMETRY OR DUAL ENROLLMENT IN GEOMETRY WITH TEACHER'S PERMISSION.

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: ALGEBRA II CONSISTS OF A COMPREHENSIVE REVIEW AND EXPANSION OF THE TOPICS DISCUSSED IN ALGEBRA I AND A THOROUGH TREATMENT OF LOGARITHMIC AND EXPONENTIAL FUNCTIONS, THE SOLUTIONS TO HIGHER DEGREE EQUATIONS, AND AN INTRODUCTION TO PROBABILITY AND STATISTICS. TWO OF THE MAJOR GOALS OF THE COURSE ARE TO PREPARE STUDENTS FOR THE ACT EXAM AND COLLEGE ALGEBRA. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## COLLEGE ALGEBRA

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 12

PRE-REQUISITES: C AVERAGE OR BETTER IN ALGEBRA II OR PRE-CALCULUS

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR TI-84).

DESCRIPTION: COLLEGE ALGEBRA CONSISTS OF FUNCTIONS AND GRAPHS; POLYNOMIAL AND RATIONAL FUNCTIONS; EXPONENTIAL AND LOGARITHMIC FUNCTIONS; AND SEQUENCES AND SERIES. THIS COURSE IS IN CONJUNCTION WITH THE DUAL-CREDIT PROGRAM OFFERED BY SOUTHEAST MISSOURI STATE UNIVERSITY. **IN ADDITION, THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL. DUAL CREDIT STUDENTS MUST MEET ELIGIBILITY THROUGH SEMO.**

## TRIGONOMETRY

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 11,12

PRE-REQUISITES: PRE-CALCULUS

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: TRIGONOMETRY COVERS THE DEFINITIONS OF THE FUNCTIONS OF AN ANGLE, DEVELOPMENT AND USE OF THE USUAL FORMULAS, IDENTITIES, SOLUTIONS OF TRIANGLES, TRIGONOMETRIC EQUATIONS, INVERSE FUNCTIONS, RADIAN MEASURE AND APPLIED PROBLEMS. COURSE IS AVAILABLE DURING THE FIRST SEMESTER AND IS USUALLY TAKEN IN GRADE 11. STUDENTS MUST HAVE A THOROUGH KNOWLEDGE OF ALGEBRA AND GEOMETRY. EMPHASIS IS PLACED ON APPLICATIONS AND IS A PREREQUISITE FOR CALCULUS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## PROBABILITY & STATISTICS

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 11,12

PRE-REQUISITES: ALGEBRA II OR PRE-CALCULUS

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: STATISTICS INCLUDES AN INTRODUCTION TO PROBABILITY AND STATISTICS, INCLUDING DATA COLLECTION AND PRESENTATION, PROBABILITY THEORY, DECISION THEORY, HYPOTHESIS TESTING AND STATISTICAL INFERENCE, REGRESSION AND CORRELATION. COURSE IS AVAILABLE FOR ONE SEMESTER AND IS USUALLY TAKEN IN GRADE 11. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**MATH ANALYSIS****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11,12

PRE-REQUISITES: C AVERAGE OR BETTER IN ALGEBRA II OR PRE-CALCULUS.

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: MATH ANALYSIS IS A HIGHER-LEVEL ELECTIVE COURSE DESIGNED FOR THOSE STUDENTS WHO ARE INTERESTED IN BROADENING THEIR KNOWLEDGE BEYOND THE CORE CURRICULUM. THE COURSE WILL BUILD UPON THE COMPLETION OF ALL ALGEBRA II CONCEPTS. AN ADEQUATE UNDERSTANDING OF ALGEBRAIC CONCEPTS IS MANDATORY TO ACHIEVE SUCCESS IN MATH ANALYSIS. THE COURSE WILL INCORPORATE ACT PREPARATION, GRAPHICS CALCULATOR, COMPUTER APPLICATIONS, AND INTERNET RESEARCH INTO ALL MATHEMATICAL TOPICS.

**CALCULUS****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: PRE-CALCULUS AND TRIGONOMETRY

MAJOR REQUIREMENTS OR PROJECTS: A GRAPHICS CALCULATOR (TI-83+ OR ABOVE).

DESCRIPTION: CALCULUS COVERS FORMAL AND INFORMAL TREATMENT OF FUNCTIONS WITH REGARD TO CONTINUITY AND LIMITS, DIFFERENTIATION, AND INTEGRATION. PART OF THE AIM OF THIS COURSE IS TO TRAIN STUDENTS TO THINK LOGICALLY AND LEARN TO WRITE THE SOLUTIONS TO EXERCISES IN A CONNECTED, STEP-BY-STEP FASHION WITH EXPLANATORY SENTENCES, NOT JUST A STRING OF DISCONNECTED EQUATIONS OR FORMULAS. **THIS COURSE IS IN CONJUNCTION WITH THE 1818 PROGRAM OFFERED BY SLU AND A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND THE COMPLETION OF A PROJECT OR RESEARCH PAPER PER SEMESTER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.**

**SCIENCE****CORE/ELECTIVES****PHYSICAL SCIENCE****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

COST: 3-RING BINDER, 4-FUNCTION CALCULATOR.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: PHYSICAL SCIENCE IS AN INQUIRY-BASED INVESTIGATION INTO THE PHYSICAL AND CHEMICAL NATURE OF THE WORLD AROUND US. STUDENTS WILL BE EXPECTED TO MASTER SUCH TOPICS AS FORCE, MOTION, MATTER AND ENERGY, ALONG WITH THE PROCESS OF SCIENTIFIC INVESTIGATION. THE SPECIFIC TOPICS DISCUSSED INCLUDE: READING AND NOTE TAKING SKILLS; USE OF THE SCIENTIFIC METHOD; THE VOCABULARY OF SCIENCE; MEASUREMENTS IN THE SYSTEM OF INTERNATIONAL UNITS; CONVERSION BETWEEN UNITS; USE OF GRAPHIC AND TABULAR DATA PRESENTATIONS; MOTION, SPEED AND ACCELERATION; FORCE, MASS AND ACCELERATION; INERTIA AND MOMENTUM; GRAVITY, MASS AND WEIGHT; LINEAR MOTION; WORK AND ENERGY; TEMPERATURE AND HEAT; KINETIC AND POTENTIAL ENERGY; STATES OF MATTER; SUBSTANCES AND MIXTURES; CHEMICAL AND PHYSICAL PROPERTIES; ATOMIC STRUCTURE AND THE PERIODIC TABLE OF ELEMENTS; CHEMICAL BONDS; NUCLEAR REACTIONS; AND

RADIOACTIVITY. EACH OF THESE TOPICS RELATES TO EACH OF THE OTHERS IN A STRUCTURED APPROACH TO TEACH PATTERN RECOGNITION AND RELATIONSHIPS BETWEEN SEEMINGLY DIVERSE SUBJECTS.

## **PHYSICAL SCIENCE, COLLEGE PREP**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 9

PRE-REQUISITES: RECOMMENDATION OF 8<sup>TH</sup> GRADE INSTRUCTOR.

COST: 3-RING BINDER, 4-FUNCTION CALCULATOR.

MAJOR REQUIREMENTS OR PROJECTS: INDIVIDUAL SEMESTER PROJECT AND A GROUP WEBQUEST SEMESTER PROJECT.

DESCRIPTION: CP PHYSICAL SCIENCE IS AN INQUIRY-BASED INVESTIGATION INTO THE PHYSICAL AND CHEMICAL NATURE OF THE WORLD AROUND US. STUDENTS WILL BE EXPECTED TO MASTER SUCH TOPICS AS FORCE, MOTION, MATTER AND ENERGY, ALONG WITH THE PROCESS OF SCIENTIFIC INVESTIGATION. THE SPECIFIC TOPICS DISCUSSED INCLUDE: READING AND NOTE TAKING SKILLS; USE OF THE SCIENTIFIC METHOD; THE VOCABULARY OF SCIENCE; MEASUREMENTS IN THE SYSTEM OF INTERNATIONAL UNITS; CONVERSION BETWEEN UNITS; USE OF GRAPHIC AND TABULAR DATA PRESENTATIONS; MOTION, SPEED AND ACCELERATION; FORCE, MASS AND ACCELERATION; INERTIA AND MOMENTUM; GRAVITY, MASS AND WEIGHT; LINEAR MOTION; WORK AND ENERGY; TEMPERATURE AND HEAT; KINETIC AND POTENTIAL ENERGY; ELECTRICITY AND MAGNETISM; CONDUCTORS AND INSULATORS; STATES OF MATTER; SUBSTANCES AND MIXTURES; CHEMICAL AND PHYSICAL PROPERTIES; ATOMIC STRUCTURE AND THE PERIODIC TABLE OF ELEMENTS; CHEMICAL BONDS; NUCLEAR REACTIONS; AND RADIOACTIVITY. EACH OF THESE TOPICS RELATES TO EACH OF THE OTHERS IN A STRUCTURED APPROACH TO TEACH PATTERN RECOGNITION AND RELATIONSHIPS BETWEEN SEEMINGLY DIVERSE SUBJECTS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## **BIOLOGY**

**1.00 CREDIT**

**TWO SEMESTERS**

**\* STUDENTS TAKING BIOLOGY MUST TAKE ECOLOGY IN 11<sup>TH</sup> GRADE**

GRADE LEVEL: 10

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: BIOLOGY IS AN ACTIVITY-BASED COURSE DESIGNED TO IMPROVE THE STUDENTS UNDERSTANDING OF SCIENCE AS IT RELATES TO THE CONTINUATION OF LIFE ON EARTH. TOPICS WILL INCLUDE THE SCIENTIFIC METHOD, CELL STRUCTURE AND FUNCTION, GENETICS, ENERGY TRANSFER, ECOLOGY, NATURAL SELECTION, AND CLASSIFICATION.

**BIOLOGY, COLLEGE PREP****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: ONE REQUIRED PROJECT; COMPREHENSIVE SEMESTER EXAMINATION.

DESCRIPTION: COLLEGE PREPARATORY BIOLOGY IS A COURSE DESIGNED FOR COLLEGE BOUND STUDENTS THAT FOCUSES ON IMPROVING THE STUDENTS' UNDERSTANDING OF SCIENCE AS IT RELATES TO THE CONTINUATION OF LIFE ON EARTH. TOPICS WILL INCLUDE THE SCIENTIFIC METHOD, CELL STRUCTURE AND FUNCTION, GENETICS, ENERGY TRANSFER, ECOLOGY, NATURAL SELECTION, AND CLASSIFICATION. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**ECOLOGY****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11

PRE-REQUISITES: BIOLOGY OR CP BIOLOGY.

MAJOR REQUIREMENTS OR PROJECTS:

DESCRIPTION: ENVIRONMENTAL SCIENCE IS AN ACTIVITY-BASED COURSE OFFERED TO STUDENTS WHO WISH TO STUDY ENVIRONMENTAL ISSUES AS WELL AS HUMAN IMPACT UPON THE NATURAL WORLD. EMPHASIS WILL BE PLACED ON CRITICAL EVALUATION OF ENVIRONMENTAL ISSUES BASED ON SCIENTIFIC PRINCIPLES. TOPICS INCLUDE THE DYNAMIC EARTH, ECOLOGY, ECOSYSTEMS, BIODIVERSITY, AND CONSERVATION OF OUR RESOURCES.

**BIOLOGY, ADVANCED****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMENDED C OR BETTER IN CP BIOLOGY.

MAJOR REQUIREMENTS OR PROJECTS: COMPREHENSIVE SEMESTER EXAMINATIONS.

COST: OPTIONAL 4 HOURS OF COLLEGE CREDIT OVER TWO SEMESTER PERIOD FROM SAINT LOUIS UNIVERSITY. CREDIT WILL BE ISSUED FOR GRADES A THROUGH C ONLY.

DESCRIPTION: ADVANCED BIOLOGY IS A COLLEGE LEVEL COURSE THAT BUILDS ON THE FUNDAMENTAL CONCEPTS INTRODUCED IN CP BIOLOGY. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE A COMPREHENSIVE FINAL AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.**

## CHEMISTRY

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: RECOMMEND GRADE OF C OR BETTER IN ALGEBRA I; MAY BE TAKEN CONCURRENTLY WITH CP BIOLOGY.

COST: GOGGLES.

MAJOR REQUIREMENTS OR PROJECTS: COMPREHENSIVE EXAMS; RESEARCH PROJECT OR PAPER.

DESCRIPTION: THIS COURSE IS DESIGNED TO EDUCATE STUDENTS IN THE AREAS OF CHEMISTRY THAT HAVE NOT BEEN FULLY DEVELOPED IN PREVIOUS COURSES. MOLECULAR STRUCTURE AND PROPERTIES, STOICHIOMETRY, GAS LAWS, ACID/BASE, LABORATORY SAFETY, NOMENCLATURE, SOLUTIONS AND MATERIAL SCIENCE ARE TOPICS TO BE INTRODUCED. THE COURSE WILL INCLUDE A VARIETY OF ACTIVITIES INCLUDING LABORATORY, LECTURE, DEMONSTRATION, AND DIRECTED STUDENT DISCOVERY. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## CHEMISTRY, ADVANCED

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND GRADE OF C OR BETTER IN CHEMISTRY.

COST: SAFETY EYE WEAR; STANDARD LAB NOTEBOOK; EACH AVAILABLE FOR APPROXIMATELY \$6.00.

MAJOR REQUIREMENTS OR PROJECTS: INDEPENDENT STUDY PROJECT; COMPREHENSIVE SEMESTER EXAMS.

DESCRIPTION: THIS COURSE IS DESIGNED TO EDUCATE THE STUDENTS IN AREAS OF CHEMISTRY THAT ARE NOT FULLY DEVELOPED IN GENERAL CHEMISTRY SUCH AS: QUALITATIVE ANALYSIS, POLYMER CHEMISTRY, INTERMOLECULAR FORCES AND REDOX CHEMISTRY. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## PHYSIOLOGY & ANATOMY

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND B OR BETTER IN CP BIOLOGY OR BIOLOGY.

MAJOR REQUIREMENTS OR PROJECTS: DISSECTION OF VARIOUS LABORATORY MATERIALS. LAB PRACTICAL EXAMS.

DESCRIPTION: HUMAN ANATOMY AND PHYSIOLOGY IS DESIGNED TO EDUCATE THE STUDENT ON ELEVEN MAJOR SYSTEMS OF THE HUMAN BODY. EMPHASIS IS PLACED ON STRUCTURE AND RELATIONSHIP TO FUNCTION. DISSECTION OF CATS AND FETAL PIGS IS INCLUDED IN THIS COURSE. TOPICS THAT ARE TO BE STUDIED INCLUDE: ANATOMICAL TERMS, TISSUE TYPES, INTEGUMENTARY SYSTEM, SKELETAL SYSTEM, MUSCULAR SYSTEM, NERVOUS SYSTEM, CARDIOVASCULAR SYSTEM, DIGESTIVE SYSTEM, RESPIRATORY SYSTEM, ENDOCRINE SYSTEM, IMMUNE SYSTEM, URINARY SYSTEM, REPRODUCTION SYSTEM, HOMEOSTASIS, AND DISSECTION OF A CAT AND FETAL PIG. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

**PHYSICS****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND C OR BETTER IN ALGEBRA II AND TRIGONOMETRY, OR MUST BE TAKING TRIGONOMETRY CONCURRENTLY WITH PHYSICS.

MAJOR REQUIREMENTS OR PROJECTS: COMPREHENSIVE EXAM AND COURSE PROJECT.

DESCRIPTION: THIS COURSE IS DESIGNED TO EDUCATE THE STUDENT IN AREAS OF THE MECHANICAL WORLD NOT FULLY DEVELOPED IN PREVIOUS COURSES AT A DIFFICULTY LEVEL SIMILAR TO A NON-CALCULUS BASED COLLEGE PHYSICS COURSE. INSTRUCTIONAL METHODS WILL INCLUDE LECTURE, GUIDED STUDENT PRACTICE, DEMONSTRATION AND LABORATORY DESIGN AND TESTING. THE FIRST THREE QUARTERS OF THIS COURSE WILL BE PRIMARILY LECTURE-BASED WITH THE BALANCE OF THE COURSE BEING LABORATORY-BASED INSTRUCTION. TOPICS WILL INCLUDE KINEMATICS, FORCES, THERMODYNAMICS, ELECTRICITY, MOMENTUM, WORK AND TORQUE. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.** THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.

**SOCIAL STUDIES****CORE/ELECTIVES****AMERICAN GOVERNMENT****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS: CHAPTER TESTS, SEMESTER EXAM, MUST PASS MISSOURI AND US CONSTITUTION TESTS TO GRADUATE.

DESCRIPTION: CIVICS INFORMS STUDENTS OF THE STRUCTURE, FUNCTION, AND PHILOSOPHY OF GOVERNMENT ON THE NATIONAL, STATE, AND LOCAL LEVELS WITH EMPHASIS ON THE UNITED STATES AND MISSOURI CONSTITUTION.

**AMERICAN GOVERNMENT, COLLEGE PREP****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9

PRE-REQUISITES: RECOMMENDATION OF 8<sup>TH</sup> GRADE INSTRUCTOR.

MAJOR REQUIREMENTS: DEBATE ONE SOCIAL ISSUE, CHAPTER TESTS, SEMESTER EXAM, MUST PASS MISSOURI AND US CONSTITUTION TESTS TO GRADUATE.

DESCRIPTION: CIVICS INFORMS STUDENTS OF THE STRUCTURE, FUNCTION, AND PHILOSOPHY OF GOVERNMENT ON THE NATIONAL, STATE, AND LOCAL LEVELS WITH EMPHASIS ON THE UNITED STATES AND MISSOURI CONSTITUTION. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## **WORLD HISTORY**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 10

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PROJECTS, CHAPTER TESTS, AND SEMESTER EXAM.

DESCRIPTION: WORLD HISTORY IS A CHRONOLOGICAL SURVEY FROM PREHISTORY TO THE PRESENT. STUDENTS TRACE THE SOCIAL, GEOGRAPHIC, ECONOMIC AND POLITICAL DEVELOPMENTS AND INFLUENCES THAT HAVE SHAPED THE MODERN WORLD.

## **WORLD HISTORY, COLLEGE PREP**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 10

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: WORLD HISTORY IS A CHRONOLOGICAL SURVEY FROM PREHISTORY TO THE PRESENT. STUDENTS TRACE THE SOCIAL, GEOGRAPHIC, ECONOMIC, AND POLITICAL DEVELOPMENTS AND INFLUENCES THAT HAVE SHAPED THE MODERN WORLD. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## **AMERICAN HISTORY**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 11

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: CHAPTER TESTS, SEMESTER PROJECTS.

DESCRIPTION: AMERICAN HISTORY INTRODUCES THE STUDENT TO THE HISTORY OF THE UNITED STATES BY TRACING ITS SOCIAL, GEOGRAPHIC, ECONOMIC, AND POLITICAL DEVELOPMENTS FROM THE AGE OF DISCOVERY TO THE PRESENT.

**AMERICAN HISTORY, COLLEGE PREP****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11

PRE-REQUISITES: NONE.

COST: OPTIONAL 3 HOURS COLLEGE CREDIT PER SEMESTER FROM SAINT LOUIS UNIVERSITY. CREDIT WILL BE ISSUED FOR GRADES A THROUGH C ONLY.

MAJOR REQUIREMENTS OR PROJECTS: RESEARCH PAPER ON HISTORICAL TOPIC RELATED TO COURSE, MID-TERM TESTS, SEMESTER TESTS.

DESCRIPTION: AMERICAN HISTORY INTRODUCES THE STUDENT TO THE HISTORY OF THE UNITED STATES BY TRACING ITS SOCIAL, GEOGRAPHIC, ECONOMIC AND POLITICAL DEVELOPMENTS FROM THE AGE OF DISCOVERY TO THE PRESENT. THIS COURSE EMPHASIZES COLLEGE-LEVEL SKILLS TO EARN CREDIT THROUGH ST. LOUIS UNIVERSITY. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER. THIS CLASS IS ELIGIBLE FOR 1818 CREDIT THROUGH ST. LOUIS UNIVERSITY.**

**CONTEMPORARY ISSUES****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10,11,12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: PROJECTS, MEDIA RESOURCE QUIZZES

DESCRIPTION: CURRENT EVENTS IS A COURSE DESIGNED TO SURVEY WORLD, NATIONAL, STATE AND LOCAL HAPPENINGS. THE COURSE FORMAT WILL COVER A WIDE RANGE OF TOPICS AND WILL FOCUS ON ACTIVE, PARTICIPATIVE LEARNING THROUGH THE USE OF CURRENT LITERATURE AVAILABLE IN NEWSPAPERS, MAGAZINES, TV NEWS CHANNELS, AND INTERNET SOURCES.

**COMPARATIVE GOVERNMENT****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 12

PRE-REQUISITES: CIVICS, AMERICAN HISTORY

MAJOR REQUIREMENTS OR PROJECTS: COMPREHENSIVE FINAL AND A COURSE PROJECT OR RESEARCH PROJECT.

DESCRIPTION: COMPARATIVE WORLD GOVERNMENTS IS DESIGNED TO PROVIDE AN OVERVIEW OF REPRESENTATIVE DEMOCRACY, PARLIAMENTARY DEMOCRACY, MONARCHY, COMMUNISM, SOCIALISM, AND FASCISM. THE COURSE FORMAT WILL FOCUS ON COMPARING THE FUNCTIONAL STYLES OF EACH TYPE OF GOVERNMENT AND THEIR REAL-WORLD RESULTS IN THE TWENTIETH AND TWENTY-FIRST CENTURIES. THIS IS A SEMESTER ELECTIVE COURSE. **THIS IS A COLLEGE PREPARATORY COURSE THAT REQUIRES A COMPREHENSIVE FINAL AND A COURSE PROJECT OR RESEARCH PAPER.**

**ECONOMICS****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: CHAPTER TESTS, SEMESTER EXAM.

DESCRIPTION: ECONOMICS IS AN UPPER-LEVEL SOCIAL STUDIES COURSE SURVEYING THE BASIC PRINCIPLES OF MACRO AND MICROECONOMICS.

## **PSYCHOLOGY**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: PROJECT, CHAPTER TESTS, SEMESTER EXAM.

DESCRIPTION: PSYCHOLOGY IS THE STUDY OF THE BEHAVIOR AND MENTAL PROCESSES OF HUMANS AND ANIMALS. **THIS IS A WEIGHTED COURSE THAT WILL REQUIRE COMPREHENSIVE FINALS AND COMPLETION OF A COURSE PROJECT OR RESEARCH PAPER.**

## **SOCIOLOGY**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: CHAPTER TESTS, PROJECT.

DESCRIPTION: SOCIOLOGY IS THE STUDY OF THE GROUP. TOPICS WILL INCLUDE COMPARING AND CONTRASTING OUR SOCIETY AND CULTURE TO OTHERS AROUND THE WORLD.

## **MODERN AMERICA**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11,12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS:

DESCRIPTION: A SEMESTER JUNIOR/SENIOR COURSE WHICH EXAMINES THE DEVELOPMENT OF CONTEMPORARY AND MODERN UNITED STATES (POST WORLD WAR II) THROUGH AN INVESTIGATION OF FOREIGN, SOCIAL, AND POLITICAL AFFAIRS AND MOVEMENTS OF THE NATION.

**PHYSICAL EDUCATION  
REQUIRED/ELECTIVES**

**\* STUDENTS CAN TAKE ONLY ONE PHYSICAL EDUCATION CLASS PER SEMESTER**

**BOYS - PHYSICAL EDUCATION**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

COST: GYM CLOTHES, SHOES, AND SWEATS.

MAJOR REQUIREMENTS OR PROJECTS: PHYSICAL EDUCATION TESTS; MUST DRESS OUT EVERYDAY.

DESCRIPTION: HIGH SCHOOL PHYSICAL EDUCATION PROMOTES THE DEVELOPMENT OF FITNESS, KNOWLEDGE OF RULES, SELF-ESTEEM, SPORTSMANSHIP, AND COOPERATION WITHIN AN INDIVIDUAL AND/OR TEAMWORK.

**GIRLS - PHYSICAL EDUCATION**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

COST: GYM CLOTHES, SHOES AND SWEATS.

MAJOR REQUIREMENTS OR PROJECTS: PHYSICAL EDUCATION TESTS; MUST DRESS OUT EVERY DAY.

DESCRIPTION: HIGH SCHOOL PHYSICAL EDUCATION PROMOTES THE DEVELOPMENT OF FITNESS, KNOWLEDGE OF RULES, SELF-ESTEEM, SPORTSMANSHIP, AND COOPERATION WITHIN AN INDIVIDUAL AND/OR TEAMWORK.

**BODY CONDITIONING**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: ELECTIVE COURSE TO BE TAKEN ONLY AFTER ONE FULL CREDIT OF REQUIRED PHYSICAL EDUCATION HAS BEEN EARNED.

COST: GYM CLOTHES, SHOES, AND SWEATS.

MAJOR REQUIREMENTS OR PROJECTS: PHYSICAL FITNESS TESTS.

DESCRIPTION: PHYSICAL CONDITIONING AND WEIGHT TRAINING IS A COURSE IN WHICH STUDENTS CAN INDIVIDUALIZE A TRAINING PROGRAM FOR THEIR PARTICULAR NEEDS. THESE PROGRAMS WILL BE DETERMINED BY THE INSTRUCTOR AND THE STUDENT. PHYSICAL FITNESS TESTS WILL BE GIVEN AT LEAST TWICE EACH SEMESTER. INDIVIDUALIZED PROGRAMS TO DEVELOP A PARTICULAR AREA(S) OF A STUDENTS BODY MAY BE DEVELOPED. EXAMPLE - LEGS, ARMS, LOWER BODY, UPPER BODY, ETC. BASICALLY THE MAJOR GOAL IS TO DEVELOP THE OVERALL BODY AND IMPROVE OVERALL FITNESS. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

## TEAM SPORTS

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: ELECTIVE COURSE TO BE TAKEN ONLY AFTER ONE FULL CREDIT OF REQUIRED PHYSICAL EDUCATION HAS BEEN EARNED.

COST: GYM CLOTHES, SHOES, AND SWEATS.

MAJOR REQUIREMENTS OR PROJECTS: PHYSICAL FITNESS TEST QUARTER 1 AND QUARTER 4.

DESCRIPTION: TEAM SPORTS IS AVAILABLE FOR THOSE STUDENTS WHO CHOOSE TO TAKE AN ELECTIVE PHYSICAL EDUCATION COURSE FOR THE ENJOYMENT OF ACTIVITY. SOME LIFETIME SPORTS ARE INTRODUCED, MOSTLY VIGOROUS ACTIVITIES WITH LARGE MUSCLE ACTIVITY PREDOMINATING. TYPES OF ACTIVITIES INCLUDE: ARCHERY, BASKETBALL, FLAG FOOTBALL, FRISBEE FOOTBALL, SOCCER-BOTH INDOOR AND OUTDOOR, SPEEDBALL, VOLLEYBALL, BURNOUT, WHIFFLE BALL, WEIGHT LIFTING, WALKING, AND MANY OTHER ACTIVITIES THAT OUR FACILITY CAN ACCOMMODATE. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

## HEALTH

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 9

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: HEALTH IS A SEMESTER COURSE THAT IS REQUIRED FOR ALL STUDENTS. STUDENTS LEARN ABOUT TOTAL HEALTH-PHYSICAL, MENTAL AND SOCIAL WELL BEING. HEALTH IS STRUCTURED TOWARD WELLNESS AND PREVENTIVE HEALTH AS WELL AS SAFETY MEASURES. HEALTH HELPS STUDENTS CHOOSE RESPONSIBLE BEHAVIORS AND IMPROVE AND SAFEGUARD ONE'S HEALTH.

## FINE ARTS

### ART

## FUNDAMENTALS OF ART

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

COST: \$25.00

MAJOR REQUIREMENTS OR PROJECTS: COMPLETE PORTFOLIO ASSIGNMENT, SKETCHBOOK/JOURNAL AND FINAL PROJECT.

DESCRIPTION: FUNDAMENTALS OF ART IS THE STUDY OF VISUAL COMMUNICATION. INCLUDED IN THIS STUDY IS AN UNDERSTANDING AND WORKING KNOWLEDGE OF DRAWING FROM OBSERVATION, THE ELEMENTS AND PRINCIPLES USED TO STRUCTURE ART, THE PART ART PLAYS IN HUMAN HISTORY, THE STRUCTURED DISCUSSION OF AN ARTWORK (CRITICISM AND ANALYSIS), AND THE DEFINITION AND VALUE OF ART (AESTHETICS).

**DRAWING AND PAINTING****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: A "C" OR BETTER IN FUNDAMENTALS OF ART

COST: \$50 (\$25.00 PER SEMESTER)

MAJOR REQUIREMENTS OR PROJECTS: COMPLETED PORTFOLIO ASSIGNMENTS, SKETCHBOOK, AND FINAL PROJECT.

DESCRIPTION: DRAWING AND PAINTING IS THE IN-DEPTH EXPLORATION OF DRAWING, PAINTING, AND PRINTMAKING MEDIA AND TECHNIQUES WITH EMPHASIS ON CREATIVE PROBLEM SOLVING SKILLS, AND THE ELEMENTS AND PRINCIPLES OF TWO-DIMENSIONAL ART. THE CLASS WILL ALSO EXPLORE THE STRUCTURED DISCUSSION OF TWO-DIMENSIONAL ART (CRITICISM), THE HISTORY OF TWO-DIMENSIONAL ART MEDIA AND TECHNIQUES, AND THE RESPONSE AND ROLE OF THE VIEWER IN TWO-DIMENSIONAL ART (AESTHETICS). THIS CLASS MAY BE TAKEN MORE THAN ONCE.

**SCULPTURE****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: A "C" OR BETTER IN FUNDAMENTALS OF ART

COST: \$25.00

MAJOR REQUIREMENTS OR PROJECTS: COMPLETED PORTFOLIO ASSIGNMENTS, SKETCHBOOK, AND PARTICIPATION IN GROUP PROJECT.

DESCRIPTION: SCULPTURE IS THE IN-DEPTH EXPLORATION OF ADDITIVE, SUBTRACTIVE, MODELED, CAST, AND/OR CONCEPTUAL METHODS OF MAKING THREE-DIMENSIONAL ART USING A WIDE VARIETY OF MATERIALS AND TECHNIQUES. SPECIAL EMPHASIS WILL BE PLACED ON THE DEVELOPMENT OF CREATIVE PROBLEM SOLVING SKILLS, THE APPLICATION OF THE ELEMENTS AND PRINCIPLES OF THREE-DIMENSIONAL ARTWORK, AND THE HISTORY, CRITICISM AND AESTHETICS OF SCULPTURE. ASSIGNMENTS WILL CHANGE EACH SEMESTER SO A STUDENT TAKING THE CLASS FOR ADDITIONAL CREDIT WILL INVESTIGATE A NEW AREA OF SCULPTURE. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

**CERAMICS****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: A "C" OR BETTER IN FUNDAMENTALS OF ART

COST: \$25.00

MAJOR REQUIREMENTS OR PROJECTS: COMPLETED PORTFOLIO ASSIGNMENTS, SKETCHBOOK, AND PORTFOLIO PRESENTATION.

DESCRIPTION: CERAMICS IS THE EXPLORATION OF THE MEDIA CLAY USING A VARIETY OF FORMING AND FINISHING TECHNIQUES FOR BOTH FUNCTIONAL AND SCULPTURAL USES. SPECIAL EMPHASIS WILL BE PLACED ON THE DEVELOPMENT OF CREATIVE PROBLEM SOLVING, CRAFTSMANSHIP IN THE MEDIA, THE APPLICATION OF THE ELEMENTS AND PRINCIPLES OF ART IN CERAMICS, AND THE HISTORY, CRITICISM AND AESTHETICS OF ART WORKS IN CLAY. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

**FINE ARTS**  
**INSTRUMENTAL MUSIC**

**BAND, HIGH SCHOOL**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: BEGINNING AND INTERMEDIATE BAND OR PRIVATE INSTRUCTION.

COST: UNIFORM CLEANING, MARCHING BAND T-SHIRT, SCHOOL OWNED INSTRUMENT RENTAL AND OTHER MATERIALS AS REQUIRED BY INSTRUMENT.

MAJOR REQUIREMENTS OR PROJECTS: MUST ATTEND ALL PRACTICES AND PERFORMANCES, SEVERAL OUTSIDE OF CLASS.

DESCRIPTION: THE FIRST SEMESTER OF BAND AT THE HIGH SCHOOL LEVEL IS MADE UP OF MARCHING BAND IN AUGUST-OCTOBER. THE STE. GENEVIEVE HIGH SCHOOL DRAGON BAND PREPARES A COMPETITION AND HALF-TIME SHOW FOR PERFORMANCE AT ALL HOME FOOTBALL VARSITY GAMES, SELECT AWAY PLAYOFF GAMES AND VARIOUS MARCHING BAND COMPETITIONS. THERE ARE SIGNIFICANT OUTSIDE OF CLASS REHEARSAL RESPONSIBILITIES, INCLUDING BAND CAMP PRACTICES AT THE END OF SUMMER BEFORE THE SCHOOL YEAR BEGINS AND A 7:30 AM START TIME FOR REHEARSAL DURING THE SCHOOL YEAR AND WED. NIGHT 6-9 REHEARSAL, AS WELL AS PERFORMANCE RESPONSIBILITIES, INCLUDING (BUT NOT LIMITED TO) HOME VARSITY FOOTBALL GAMES ON FRIDAY NIGHTS AND OCCASIONALLY A THURSDAY NIGHT, COMPETITIONS ON SATURDAYS AND A FEW PARADES. FAILURE TO ATTEND THE REQUIRED REHEARSALS AND PERFORMANCES WILL RESULT IN GRADE REDUCTIONS. DEATH IN THE FAMILY AND ILLNESS ARE EXCUSABLE ABSENCES, MOST OTHERS ARE NOT. PLEASE CONTACT THE DIRECTORS IF YOU HAVE A QUESTION. AFTER MARCHING SEASON HAS ENDED, THE BAND PREPARES FOR A CONCERT IN DECEMBER.

SECOND SEMESTER, THE BAND IS SPLIT INTO TWO CONCERT BANDS BY AUDITION AND INSTRUMENTATION NEEDS. THE SYMPHONIC BAND AND THE CONCERT BAND BOTH PERFORM AT DISTRICT MUSIC FESTIVAL IN THE SPRING AS WELL AS AT A CONCERT IN MAY. THE BAND IS SPLIT IN ORDER TO BETTER MEET THE NEEDS OF ALL PERFORMING MEMBERS BY OFFERING MORE INDIVIDUALIZED ATTENTION AND TO CHALLENGE ADVANCED MUSICIANS AND INTERMEDIATE MUSICIANS ALIKE.

**THEORY AND HARMONY****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: THE ABILITY TO READ MUSIC AND A MEMBER OF A PERFORMING MUSICAL ENSEMBLE IS PREFERRED.

COST: MUSIC MANUSCRIPT NOTEBOOK.

MAJOR REQUIREMENTS OR PROJECTS: BASIC BAND ARRANGEMENT DURING THE FOURTH QUARTER.

DESCRIPTION: THEORY AND HARMONY IS DESIGNED TO LEAD STUDENTS TO A DEEPER UNDERSTANDING OF HOW MUSIC IS CREATED AND TO PREPARE THEM FOR FURTHER MUSICAL STUDY AT THE COLLEGE LEVEL.

**JAZZ BAND****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: STUDENTS MUST CURRENTLY BE ENROLLED IN HIGH SCHOOL BAND AND PASS AN AUDITION BY THE DIRECTOR.

COST: STUDENTS WILL PROVIDE INSTRUMENTS AND UNIFORMS (SHIRTS, TROUSERS, AND DRESSES) AS CHOSEN BY THE GROUP.

MAJOR REQUIREMENTS OR PROJECTS: THE ENSEMBLE WILL PERFORM ON TOURS AND IN VARIOUS CONCERTS AND FESTIVALS THROUGHOUT THE YEAR. ATTENDANCE AT THESE FUNCTIONS IS REQUIRED.

DESCRIPTION: THIS CLASS IS PRIMARILY A PERFORMANCE CLASS DEDICATED TO THE STUDY AND PERFORMANCE OF JAZZ LITERATURE. STUDENTS WILL LEARN HOW TO IMPROVISE A SOLO AND INTERPRET JAZZ NOTATION. PERFORMANCES ARE ALL MANDATORY EVENTS AND MISSING ONE OF THESE EVENTS WILL RESULT IN THE DROPPING OF THE FINAL GRADE BY TWO LETTER GRADES.

**6164 MARCHING AUXILIARIES – BAND****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: STUDENT MUST PASS AN AUDITION.

COST: STUDENTS WILL PROVIDE THEIR OWN UNIFORM.

MAJOR REQUIREMENTS OR PROJECTS: STUDENTS MUST ATTEND ALL EXTRA REHEARSALS, ALL MARCHING BAND PERFORMANCES, AND A SUMMER CAMP. A STUDENT MUST HAVE A "C-" AVERAGE FOR THE SEMESTER PRIOR TO THE TRYOUT DATE.

DESCRIPTION: GROUP WILL MARCH AND PERFORM WITH THE MARCHING BAND AT PARADES, FOOTBALL GAMES, AND FESTIVALS AS A SUPPLEMENTARY UNIT OF THE BAND. A SET OF RULES, PRACTICES, AND SCHEDULES WILL BE PASSED OUT TO STUDENTS IN THE BEGINNING OF THE SEASON SO MEMBERS CAN SET OR ADJUST THEIR SCHEDULES OF ADDITIONAL ACTIVITIES. MEMBERS MUST ATTEND A SUMMER CAMP AT SCHOOL OR AWAY AND MUST PARTICIPATE IN ACTIVITIES FOR CAMP FEES AND UNIFORMS. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

## MUSIC APPRECIATION

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: MUSIC APPRECIATION IS DESIGNED TO FACILITATE A GREATER UNDERSTANDING AND APPRECIATION TO THE ROLE OF MUSIC IN CULTURE AND HISTORY.

## FINE ARTS VOCAL MUSIC

## CHORUS/CHOIR

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: AUDITION.

COST: DRESS (\$95) OR TUXEDO (150).

MAJOR REQUIREMENTS OR PROJECTS: MUST ATTEND ALL SPECIAL PRACTICES, CONCERTS, CLINICS, FESTIVALS, ETC. FAILURE TO DO SO WILL RESULT IN A FAILING GRADE.

DESCRIPTION: CONCERT CHOIR IS A SELECT GROUP OF STUDENTS PERFORMING TRADITIONAL MUSIC. MUSIC WILL FOCUS ON, INCLUDE, BUT NOT BE LIMITED TO, JAZZ, POP, GOSPEL, CLASSICAL, MULTICULTURAL, BROADWAY THEATER, AND VARIOUS TYPES OF MODERN MUSIC. MEMBERS MUST BE AUDITIONED, AND WITH THE CONSENT OF VOCAL MUSIC DIRECTOR, WILL BE PERMITTED TO ENROLL IN CONCERT CHOIR. AUDITIONS WILL BE HELD IN THE SPRING SEMESTER FOR THE FOLLOWING SCHOOL YEAR. PARTICIPATION IN ALL PERFORMANCES IS MANDATORY. THERE WILL BE A MINIMUM OF TWO CONCERT PERFORMANCES PER SCHOOL YEAR, AT LEAST ONE IN THE FALL SEMESTER CONSISTING OF HOLIDAY MUSIC, AND AT LEAST ONE IN THE SPRING CONSISTING OF GENERAL MUSIC. PERFORMANCES ARE ALL MANDATORY EVENTS AND MISSING ONE OF THESE EVENTS WILL RESULT IN THE DROPPING OF THE FINAL GRADE BY TWO LETTER GRADES. SOME OTHER PERFORMANCES AND OUT OF SCHOOL REHEARSALS MAY BE REQUIRED. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

**CHOIR, SHOW****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: AUDITION.

COST: OUTFIT (\$150-\$175).

MAJOR REQUIREMENTS OR PROJECTS: MUST ATTEND ALL OUTSIDE REHEARSALS, CONCERTS, CLINICS, FESTIVALS, ETC. ANYONE WHO FAILS TO MEET THESE REQUIREMENTS WILL RECEIVE A FAILING GRADE.

DESCRIPTION: SHOW CHOIR IS A VERY SELECT GROUP OF STUDENTS PERFORMING MUSIC OF AN AD-LIB FORUM WHILE DANCING. MUSIC WILL FOCUS ON, INCLUDE, BUT NOT BE LIMITED TO, COUNTRY, JAZZ, POP, ROCK, GOSPEL, BROADWAY THEATER, AND VARIOUS TYPES OF MODERN MUSIC. MEMBERS MUST BE AUDITIONED, AND WITH THE CONSENT OF VOCAL MUSIC DIRECTOR, WILL BE PERMITTED TO ENROLL IN SHOW CHOIR. AUDITIONS WILL BE HELD IN THE SPRING SEMESTER FOR THE FOLLOWING SCHOOL YEAR. PARTICIPATION IN ALL PERFORMANCES IS MANDATORY. THERE WILL BE A MINIMUM OF TWO CONCERT PERFORMANCES PER SCHOOL YEAR, AT LEAST ONE IN THE FALL SEMESTER CONSISTING OF HOLIDAY MUSIC, AND AT LEAST ONE IN THE SPRING CONSISTING OF GENERAL MUSIC. PERFORMANCES ARE ALL MANDATORY EVENTS AND MISSING ONE OF THESE EVENTS WILL RESULT IN THE DROPPING OF THE FINAL GRADE BY TWO LETTER GRADES. SOME OTHER PERFORMANCES AND OUT OF SCHOOL REHEARSALS MAY BE REQUIRED. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

**VOCAL MUSIC****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: AN INTEREST IN MUSIC PERFORMANCE.

MAJOR REQUIREMENTS OR PROJECTS: CLASS PARTICIPATION; STUDENTS ENROLLED MUST PERFORM AT ALL CONCERTS DURING THE SCHOOL YEAR. FAILURE TO DO SO WILL RESULT IN A FAILING GRADE.

DESCRIPTION: THIS GROUP WILL BE CONSIDERED A TRAINING CHOIR; THEREFORE, PERFORMANCES WILL BE LIMITED. STUDENTS WILL STUDY DIFFERENT FORMS OF VOCAL MUSIC INCLUDING, BUT NOT LIMITED TO, MUSICAL THEATER, GOSPEL, JAZZ, SACRED, AND SECULAR. THIS COURSE IS DESIGNED TO BE A GENERAL MUSIC COURSE WITH A MAJOR FOCUS IN SINGING. PARTICIPATION IN ALL PERFORMANCES IS MANDATORY. THERE WILL BE ONLY TWO CONCERT PERFORMANCES PER SCHOOL YEAR, ONE IN THE FALL SEMESTER CONSISTING OF HOLIDAY MUSIC, AND ONE IN THE SPRING CONSISTING OF GENERAL MUSIC. PERFORMANCES ARE ALL MANDATORY EVENTS AND MISSING ONE OF THESE EVENTS WILL RESULT IN THE DROPPING OF THE FINAL GRADE BY TWO LETTER GRADES. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

## WOMEN'S CHOIR

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: AUDITION

COST: \$95.00

MAJOR REQUIREMENTS OR PROJECTS: MUST ATTEND ALL SPECIAL PRACTICES, CONCERTS, CLINICS, FESTIVALS, ETC. FAILURE TO DO SO WILL RESULT IN A FAILING GRADE.

DESCRIPTION: WOMEN'S CHOIR IS A SELECT GROUP OF FEMALE STUDENTS PERFORMING TRADITIONAL MUSIC. MUSIC WILL FOCUS ON, INCLUDE, BUT NOT BE LIMITED TO, JAZZ, POP, GOSPEL, CLASSICAL, MULTICULTURAL, BROADWAY THEATER, AND VARIOUS TYPES OF MODERN MUSIC. MEMBERS MUST BE AUDITIONED, AND WITH THE CONSENT OF THE VOCAL MUSIC DIRECTOR, WILL BE PERMITTED TO ENROLL IN WOMEN'S CHOIR. AUDITIONS WILL BE HELD IN THE SPRING SEMESTER FOR THE FOLLOWING SCHOOL YEAR. PARTICIPATION IN ALL PERFORMANCES IS MANDATORY. THERE WILL BE A MINIMUM OF TWO CONCERT PERFORMANCES PER SCHOOL YEAR, AT LEAST ONE IN THE FALL SEMESTER CONSISTING OF HOLIDAY MUSIC, AND AT LEAST ONE IN THE SPRING CONSISTING OF GENERAL MUSIC. PERFORMANCES ARE ALL MANDATORY EVENTS AND MISSING ONE OF THESE EVENTS WILL RESULT IN THE DROPPING OF THE FINAL GRADE BY TWO LETTER GRADES. SOME OTHER PERFORMANCES AND OUT OF SCHOOL REHEARSALS MAY BE REQUIRED. THIS CLASS MAY BE TAKEN MORE THAN ONCE.

## PRACTICAL ARTS

### PERSONAL FINANCE

## PERSONAL FINANCE

.50 CREDIT

ONE SEMESTER

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: UNDERSTANDING AND MANAGING PERSONAL FINANCES ARE KEY TO ONE'S FUTURE FINANCIAL SUCCESS. THIS ONE-SEMESTER COURSE IS BASED ON THE MISSOURI PERSONAL FINANCE COMPETENCIES AND PRESENTS ESSENTIAL KNOWLEDGE AND SKILLS TO MAKE INFORMED DECISIONS ABOUT REAL WORLD FINANCIAL ISSUES. 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. THE 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.

**PRACTICAL ARTS**  
**BUSINESS**

**KEYBOARDING****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: THIS COURSE IS OPEN TO THOSE WITH NO PREVIOUS TRAINING IN KEYBOARDING. THE STUDENT ACQUIRES BASIC SKILLS ON THE KEYBOARD AND COMPUTERIZED WORD PROCESSING. EMPHASIS IS ON FORMATTING PERSONAL DOCUMENTS SUCH AS BUSINESS AND PERSONAL BUSINESS LETTERS, REPORTS WITH REFERENCE CITATIONS AND SHORT REPORTS AS WELL AS SHORT TABLES. THE OBJECT IS FOR THE STUDENT TO BE ABLE TO TAKE CARE OF HIS OWN NEEDS IN PRODUCING THESE TYPES OF DOCUMENTS. IN ADDITION, THE STUDENT WILL BECOME FAMILIAR WITH SAVING INFORMATION, RETRIEVING, EDITING, ETC. USING MICROSOFT WORD.

**WORD PROCESSING****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 9, 10, 11, 12

PRE-REQUISITES: KEYBOARDING IN MS OR HS WITH A C OR BETTER; COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: THE STUDENT ACQUIRES FURTHER MASTERY OF KEYBOARD. DOCUMENTS SUCH AS BUSINESS LETTERS, MANUSCRIPTS WITH FOOTNOTES, AND COMPLEX TABLES, ETC. ARE TAUGHT. THIS COURSE IS REQUIRED FOR STUDENTS IN THE BUSINESS PROGRAM AND IS ALSO STRONGLY RECOMMENDED FOR COLLEGE BOUND STUDENTS. ADVANCED FEATURES OF MICROSOFT WORD ARE INCORPORATED INTO THIS COURSE. SIMULATIONS ARE USED WHERE STUDENTS ARE ABLE TO CREATE BROCHURES, ADVERTISEMENTS, ETC. AND TEACH THEM HOW TO ORGANIZE AND MANAGE THEIR TIME TO MEET DEADLINES.

**COMPUTER APPLICATIONS****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: KEYBOARDING &amp; WORD PROCESSING; COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: COMPLETE ASSIGNMENTS.

DESCRIPTION: COMPUTER APPLICATIONS IS A ONE SEMESTER BUSINESS COURSE DESIGNED TO DEVELOP STUDENT'S KNOWLEDGE AND SKILLS IN USING EXCEL WORKSHEETS AND ACCESS DATABASES. THE STUDENTS WILL DEVELOP WORKSHEETS FROM TEMPLATES, GATHER INFORMATION FROM THE INTERNET, AND ALSO GATHER INFORMATION FROM SURVEYS DEVELOPED. THE STUDENTS WILL ALSO BUILD DATABASES BY SEARCHING THE INTERNET TO GATHER INFORMATION. THE CONCEPTS OF EACH PROGRAM ARE PRESENTED AND THEN REINFORCED WITH SELF-PACED ACTIVITIES. THE COURSE USES EXCEL 2003 AND ACCESS 2003.

## ACCOUNTING I

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: NONE.

DESCRIPTION: THIS COURSE IS ENCOURAGED FOR ALL STUDENTS WITH A FOCUS ON BUSINESS. MANY BUSINESS CONCEPTS WHICH ARE IMPORTANT TO MANAGERS AND OWNERS ARE DISCUSSED THROUGHOUT THIS ONE YEAR COURSE. STUDENTS WILL ACQUIRE A KNOWLEDGE OF BASIC ACCOUNTING PRINCIPLES AND KNOWLEDGE OF THE BUSINESS WORLD AND THE PART IT PLAYS IN OUR ECONOMIC SYSTEM. EACH CONCEPT IS TAUGHT MANUALLY AND THEN REINFORCED BY USING AN AUTOMATED ACCOUNTING PROGRAM. A BUSINESS SIMULATION IS ALSO USED WITH THE AUTOMATED SYSTEM.

## ACCOUNTING II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 11, 12

PRE-REQUISITES: RECOMMEND C OR BETTER IN ACCOUNTING I.

MAJOR REQUIREMENTS OR PROJECTS: MUST HAVE A PASSING GRADE FIRST SEMESTER TO CONTINUE SECOND SEMESTER.

DESCRIPTION: ACCOUNTING II IS DESIGNED FOR THE STUDENTS WHO WISH (1) TO BECOME AN ACCOUNTING CLERK OR AN ACCOUNTANT'S ASSISTANT, (2) GO TO COLLEGE AND MAJOR IN ACCOUNTING, MARKETING, MANAGEMENT OF SOME PHASE OF BUSINESS ADMINISTRATION, AND (3) TO LEARN MORE ABOUT BUSINESS PROCEDURES AND RECORDS. THIS COURSE PROVIDES A BASIC REVIEW OF ACCOUNTING I AND COVERS ACCOUNTING PRINCIPLES AND PROCEDURES FOR (1) DEPARTMENTAL ACCOUNTING, (2) PAYROLL ACCOUNTING, (3) PARTNERSHIP AND CORPORATION ACCOUNTING, (4) COST ACCOUNTING, AND (5) SPECIAL PROBLEMS IN OTHER AREAS OF ACCOUNTING. STUDENTS WILL COMPLETE ALL PHASES OF ACCOUNTING CYCLE, MAINTAIN DEPARTMENTAL AND PAYROLL RECORDS, AND LEARN ACCOUNTING PRINCIPLES AND CORPORATION ACCOUNTING. STUDENTS WILL ALSO KEEP RECORDS USING A VOUCHER SYSTEM, FOLLOW ACCOUNTING PROCEDURES FOR TAXES, COMPLETE NOTES AND DRAFTS, AND LEARN COST ACCOUNTING. STUDENTS WILL LEARN TO RECORD AND REPORT FINANCIAL DATA USING AN AUTOMATED ACCOUNTING SYSTEM.

**WEB DESIGN****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: WORD PROCESSING AND MULTIMEDIA

MAJOR REQUIREMENTS OR PROJECTS: CREATION OF WEB SITES

DESCRIPTION: WEB DESIGN WILL BEGIN WITH A LOOK AT THE HISTORY OF THE WEB AND USES OF THE INTERNET. STUDENTS WILL COMPLETE RESEARCH PROJECTS AND EXPLORE ETHICAL AND SAFE PRACTICES WHEN USING THE INTERNET. IN ADDITION, STUDENTS WILL LEARN HOW TO USE NOTEPAD AND HTML TAGS TO PREPARE WEBSITES. AFTER A BASIC KNOWLEDGE OF HTML IS ACQUIRED, STUDENTS WILL USE WEB DESIGN AND AUTHORING SOFTWARE TO CREATE ADDITIONAL, MORE IN-DEPTH WEBSITES. THIS COURSE IS HANDS-ON AND PROJECT ORIENTED.

**BUSINESS TECHNOLOGY I****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: KEYBOARDING AND WORD PROCESSING; COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: JUNIORS - GPA OF 8.0 OR ABOVE AND A B AVERAGE IN BUSINESS CLASSES TAKEN. SENIORS – GPA OF C+ OR BETTER; C+ AVERAGE OR BETTER IN BUSINESS CLASSES TAKEN.

DESCRIPTION: BUSINESS TECHNOLOGY I IS A COURSE DESIGNED FOR STUDENTS WHO WANT TO OBTAIN EMPLOYMENT IN A BUSINESS AREA UPON GRADUATION OR WHO PLAN TO FURTHER THEIR EDUCATION IN BUSINESS SCHOOL OR COLLEGE. IT IS THE FIRST COURSE OF A TWO-COURSE SEQUENCE, WHICH IS REQUIRED IN ORDER TO BE INVOLVED IN THE SBE (SUPERVISED BUSINESS EXPERIENCE) PROGRAM. THE COURSE DEVELOPS 1) MARKETABLE SKILLS USING CURRENT PROCEDURES AND TECHNOLOGIES, 2) THE STUDENT'S UNDERSTANDING OF CLERICAL COMPETENCY AND ITS CONTRIBUTION TO ECONOMICS AND INDUSTRIAL EFFICIENCY, AND 3) AN UNDERSTANDING OF THE MODERN BUSINESS OFFICE, BUSINESS PRACTICES AND PROCEDURES, WORD PROCESSING, AND THE MAJOR DUTIES AND RESPONSIBILITIES OF THE OFFICE WORKER. THE STUDENT WILL BEGIN USING THE MICROSOFT OFFICE SUITE OF PROGRAMS AS WELL AS COMPLETING A FILING SIMULATION, CALCULATOR SIMULATION, AND TRANSCRIBING SIMULATION. TECHNIQUES FOR USING THE TELEPHONE IN THE BUSINESS ENVIRONMENT WILL ALSO BE COVERED. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

**BUSINESS TECHNOLOGY II****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: BUSINESS TECHNOLOGY I DURING JUNIOR YEAR; COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: GPA OF C+ OR BETTER; C+ AVERAGE OR BETTER IN BUSINESS CLASSES TAKEN.

DESCRIPTION: BUSINESS TECHNOLOGY II IS THE CONTINUATION OF CAREER PREPARATION FOR THOSE STUDENTS WHO WANT TO OBTAIN EMPLOYMENT IN A BUSINESS AREA UPON GRADUATION OR WHO PLAN TO FURTHER THEIR EDUCATION IN BUSINESS SCHOOL OR COLLEGE. IT IS THE SECOND COURSE OF A TWO-COURSE SEQUENCE BEGINNING WITH BUSINESS TECHNOLOGY I. A STUDENT AT THE SENIOR LEVEL MUST HAVE HAD BUSINESS TECHNOLOGY I THEIR JUNIOR YEAR OR CURRENTLY BE TAKING BUSINESS TECHNOLOGY I THEIR SENIOR YEAR ALONG WITH BUSINESS TECHNOLOGY II. THE COURSE APPLIES PREVIOUSLY LEARNED SKILLS AND KNOWLEDGE IN DEVELOPING NEW CLERICAL SKILLS, TECHNIQUES, AND ATTITUDES THAT ARE NECESSARY TO FUNCTION EFFECTIVELY ON THE JOB AND TO BE SUCCESSFUL. THROUGH INDIVIDUALIZED AND GROUP INSTRUCTION, CLASS ACTIVITIES, AND OFFICE SIMULATIONS, THE STUDENT WILL DEVELOP HIS OR HER PERSONAL TRAITS AND EFFECTIVE WORK HABITS THAT MAKE FOR SUCCESS IN A CAREER IN THE BUSINESS AREA AND IN LIFE. THE MICROSOFT OFFICE SUITE WILL BE USED EXTENSIVELY. POWERPOINT PRESENTATIONS WILL BE GIVEN AND MICROSOFT PUBLISHER WILL BE USED. ALL DOCUMENTS FOR THE JOB SEARCH WILL BE PREPARED AND A MOCK INTERVIEW WILL BE EXPERIENCED BY EACH STUDENT. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

**BUSINESS MANAGEMENT AND OWNERSHIP****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: NONE

DESCRIPTION: THIS COURSE IS DESIGNED TO PROVIDE STUDENTS THE SKILLS NEEDED TO EFFECTIVELY ORGANIZE, DEVELOP, CREATE, AND MANAGE THEIR OWN BUSINESS. TOPICS OF STUDY WILL INCLUDE: BUSINESS, MANAGEMENT, AND ENTREPRENEURSHIP; COMMUNICATION AND INTERPERSONAL SKILLS; ECONOMICS; MARKETING; HUMAN RELATIONS; AND BUSINESS ETHICS.

**BUSINESS SBE (SUPERVISED BUSINESS EXPERIENCE)  
(OVER 20 HOURS)****1.00 CREDIT  
2.00 CREDITS****TWO SEMESTERS  
TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: KEYBOARDING AND WORD PROCESSING; COMPUTER USE AGREEMENT. RECOMMEND STUDENTS ENROLL IN ACCOUNTING I AND COMPUTER APPLICATIONS IN THEIR SOPHOMORE, JUNIOR OR SENIOR YEAR. APPLICANTS MUST HAVE HAD OR CURRENTLY BE ENROLLED IN BUSINESS TECHNOLOGY I/BUSINESS TECHNOLOGY II DEPENDING ON GRADE LEVEL. STUDENT MUST MAKE APPLICATION AND BE ACCEPTED IN PROGRAM.

MAJOR REQUIREMENTS OR PROJECTS: MUST MAINTAIN A C AVERAGE IN ALL CLASSES AND MEET THE CONDITIONS OF THE STUDENT AGREEMENT PERTAINING TO PLACEMENT AT A WORK STATION.

DESCRIPTION: THE SUPERVISED BUSINESS EXPERIENCE (SBE) PROGRAM IS A WORK-STUDY PROGRAM DESIGNED FOR JUNIOR AND SENIOR STUDENTS WHO HAVE CHOSEN THE BUSINESS AREA AS THEIR OCCUPATIONAL GOAL. THE PROGRAM PROVIDES THE STUDENT WITH THE OPPORTUNITY TO DEVELOP AND APPLY KNOWLEDGE, SKILLS, AND BUSINESS COMPETENCIES BY COMBINING SUPERVISED EMPLOYMENT WITH IN-SCHOOL VOCATIONAL INSTRUCTION, SUCH TRAINING TO QUALIFY STUDENTS FOR ENTRY-LEVEL JOBS. STUDENTS WHO QUALIFY AND ARE ELIGIBLE FOR PARTICIPATION IN THE PROGRAM MUST COMPLETE AN APPLICATION IN GRADE 10 (FOR THEIR JUNIOR YEAR) OR GRADE 11 (FOR THEIR SENIOR YEAR) WHEN THE DATE IS ANNOUNCED. IN ACCORDANCE WITH STATE GUIDELINES REGARDING POLICIES FOR CREDIT AND SUPERVISED EMPLOYMENT FOR APPROVED HIGH SCHOOL SUPERVISED BUSINESS EXPERIENCE PROGRAMS IN MISSOURI: 10 TO 19 WORKING HOURS PER WEEK RECEIVES ONE (1.00) SBE CREDIT; 20 OR MORE WORKING HOURS PER WEEK RECEIVES TWO (2.00) SBE CREDITS. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

**MULTIMEDIA****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: KEYBOARDING &amp; WORD PROCESSING; COMPUTER USE AGREEMENT.

MAJOR REQUIREMENTS OR PROJECTS: DEVELOP A PORTFOLIO.

DESCRIPTION: THIS COURSE IS DESIGNED FOR THE STUDENT INTERESTED IN CREATING VARIOUS FORMS OF BUSINESS MEDIA. THE STUDENT WILL LEARN SKILLS USED IN DESKTOP PUBLISHING AND THE MANIPULATION OF GRAPHICS. DURING THIS PHASE ADOBE PAGEMAKER AND ADOBE PHOTOSHOP WILL BE USED. WEB PAGE DESIGN FOR BUSINESS PURPOSES WILL ALSO BE A COMPONENT OF THE COURSE. STUDENTS WILL ALSO LEARN TO DO VIDEO EDITING FOR BUSINESS PURPOSES. IT IS STRONGLY RECOMMENDED THAT IN ADDITION TO THE PREREQUISITES ABOVE, STUDENTS TAKE COMPUTER APPLICATIONS PRIOR TO ENROLLING IN THIS COURSE.

**INDEPENDENT STUDY/COMPUTER TECHNOLOGY .50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: C OR BETTER IN INTRO TO INTERNET AND COMPUTER APPLICATIONS; COMPUTER USE AGREEMENT, PERMISSION OF INSTRUCTOR.

MAJOR REQUIREMENTS OR PROJECTS: CREATE ELECTRONIC PORTFOLIO.

DESCRIPTION: THIS COURSE IS DESIGNED FOR STUDENTS WITH KNOWLEDGE OF COMPUTERS AND WEB PAGE DESIGN. STUDENTS WILL WORK CLOSELY WITH THE TECHNOLOGY DEPARTMENT AND LEARN TO INSTALL SOFTWARE, DETECT AND REPAIR SOFTWARE AND HARDWARE PROBLEMS, WORK WITH THE COMPUTER NETWORK, AND HELP MAINTAIN THE SCHOOL WEB PAGE. THE ACTIVITIES WILL CONSIST OF REQUESTS FROM TEACHERS, STUDENTS, ADMINISTRATORS, AND THE TECHNOLOGY DEPARTMENT. STUDENTS WILL USE REFERENCE MANUALS, TUTORIAL EXERCISES, AND TEXTBOOKS THAT ACCOMPANY THE SOFTWARE OR HARDWARE. JOURNALS RECORDING THE DATE, TIME, ACTIVITY, AND RECORD OF WORK WILL BE REQUIRED.

**PRACTICAL ARTS****FAMILY AND CONSUMER SCIENCES****FAMILY & CONSUMER SCIENCES (FACS I)****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 9, 10, 11

PRE-REQUISITES: NONE.

COSTS: \$20 TO \$25 FOR PATTERN, FABRIC, AND EQUIPMENT.

MAJOR REQUIREMENTS OR PROJECTS: TWO SEWING PROJECTS; FLOOR PLANNING PROJECT; CHILD ACTIVITY PROJECT.

DESCRIPTION: FACS I IS A SURVEY COURSE THAT STUDIES EVERY TOPIC THE FIELD OF FAMILY AND CONSUMER SCIENCES COVERS. STUDENTS STUDY SUCH TOPICS AS PERSONAL IMPROVEMENT AND UNDERSTANDING OF SELF, GROOMING, HOUSING, MONEY MANAGEMENT, HEALTH AND WELLNESS, CHILD CARE, FOODS AND NUTRITION, CLOTHING CONSTRUCTION, AND SELECTION AND MAINTENANCE OF CLOTHING.

**CHILD DEVELOPMENT, CARE AND GUIDANCE****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: \$15.00 TO \$20.00 FOR VARIOUS PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: INVOLVEMENT WITH KINDERGARTEN CLASSES THROUGH PLAY ACTIVITY PROJECTS, CONCEPT BULLETIN BOARD.

DESCRIPTION: CHILD DEVELOPMENT IS A COMPREHENSIVE STUDY OF THE INTER-RELATIONSHIP OF CHILD AND FAMILY. TOPICS DISCUSSED INCLUDE FAMILY PLANNING, PRENATAL CARE, GENETICS, GROWTH AND DEVELOPMENT OF THE EMBRYO AND FETUS, AND PREPARATION/BABY BASICS FOR THE NEW PARENTS. CONSIDERATION AND DISCUSSION IS GIVEN IN THE FIELD OF PHYSICAL, EMOTIONAL, SOCIAL, LANGUAGE AND PERSONALITY DEVELOPMENT. THE AREAS OF CHILDREN'S PLAY, ACTIVITIES, DISCIPLINE, LEARNING AND GENERAL CHILDCARE BASICS, SUCH AS NUTRITION, CLOTHING, ILLNESSES, AND SAFETY ARE DISCUSSED. THE AGE-SPAN DISCUSSED RANGES FROM INFANCY TO PRESCHOOLERS. CHILDCARE CENTERS AND CAREERS ARE ALSO DISCUSSED. STUDENTS PLAN AND CONDUCT ACTIVITIES WITH YOUNG CHILDREN.

\*\*\*STUDENTS MAY BE ELEGIBLE TO ENROLL THROUGH SOUTHEAST MISSOURI STATE UNIVERSITY FOR CF 120 IF THEY QUALIFY.

## **APPAREL AND TEXTILES**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: LIFE SKILLS (FACS I).

COST: FEES ARE BASED ON COST OF PROJECTS SELECTED BY STUDENTS.

MAJOR REQUIREMENTS OR PROJECTS: FIBER/TEXTILES SAMPLE NOTEBOOK; TWO GARMENTS; CHRISTMAS OR EASTER CRAFT PROJECT.

DESCRIPTION: CLOTHING AND TEXTILES IS A COURSE IN WHICH STUDENTS WILL LEARN BASIC CONSTRUCTION TECHNIQUES AND CONSTRUCT TWO GARMENTS MEETING ADVANCED CONSTRUCTION STANDARDS. THIS IS A PRACTICAL COURSE IN PLANNING FOR AND CONSTRUCTION OF FAMILY CLOTHING AND MAINTENANCE AND REPAIR OF THESE ITEMS. A STUDY OF FIBERS, FABRICS AND FINISHES AS WELL AS CAREERS IN THE CLOTHING AND TEXTILES INDUSTRY IS INCLUDED.

## **FAMILY/CONSUMER RESOURCE MANAGEMENT**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: BUDGETING PROJECT, CHECKBOOK RECONCILIATION.

DESCRIPTION: CONSUMER MANAGEMENT IS A STUDY OF THE FIELDS INVOLVED IN EVERYDAY LIVING. STUDENTS WILL INVESTIGATE MANAGEMENT OF PERSONAL INCOME, USE OF CREDIT, SAVINGS AND INVESTMENTS, RETIREMENT PLANNING, HOME SELECTION AND PURCHASING, INSURANCE, CONSUMER BUYING GUIDES, CONSUMER RIGHTS AND RESPONSIBILITIES. OTHER TOPICS DISCUSSED INCLUDE AUTO PURCHASES, TAX RESPONSIBILITIES, BUYING FURNITURE AND CLOTHING, AND RESOURCE MANAGEMENT.

## **FAMILY LIVING AND PARENTHOOD**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: \$10.00 TO \$15.00.

MAJOR REQUIREMENTS OR PROJECTS: WEDDING PLANNING PROJECT.

DESCRIPTION: FAMILY LIVING IS A COURSE THAT INCLUDES THE STUDY OF THE FAMILY AS AN INSTITUTION, THE ROLE OF FAMILY MEMBERS, FAMILY LIFE CYCLE, AND PRESSURES AFFECTING FAMILY LIVING. THE ART OF EFFECTIVE COMMUNICATION AND LISTENING SKILLS, AS WELL AS GOAL SETTING AND PLANNING, ARE ALSO DISCUSSED. OTHER TOPICS STUDIED INCLUDE MATE SELECTION, PARENTHOOD AND CHILDREN, AND FAMILY MANAGEMENT.

**NUTRITION AND WELLNESS****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: MENU PLANNING PROJECT; PREPARATION OF INDIVIDUAL MEAL.

DESCRIPTION: THIS IS AN INTRODUCTORY COURSE TO THE BASICS OF NUTRITION AND FOOD PRINCIPLES. STUDENTS WILL DEMONSTRATE SAFE AND SANITARY COOKING PRACTICES. PRINCIPLES AND PROCEDURES FOR PREPARING SPECIFIC FOODS, READING AND ALTERING A RECIPE, AND BASIC CULINARY SKILLS IN CUTTING, MIXING, AND MEASURING WILL BE COVERED. THE CLASS BUILDS A FIRM BASE AND SERVES AS PRE-REQUISITE FOR FOOD AND NUTRITION.

**FOODS, GENERAL****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NUTRITION AND WELLNESS.

MAJOR REQUIREMENTS OR PROJECTS: MENU PLANNING PROJECTS; PREPARATION OF MEALS; NUTRITION ANALYSIS PROJECTS.

DESCRIPTION: THIS COURSE IS DESIGNED TO DEVELOP SKILLS IN PLANNING AND PREPARING MEALS THAT ARE APPETIZING, ATTRACTIVE, PALATABLE, NUTRITIOUS, AND SUITED TO INDIVIDUAL AND FAMILY NEEDS. THE CRITERIA NEEDED FOR MAKING EFFECTIVE CHOICES IN THE FOODS MARKET AS A MEANS OF CONTRIBUTING TO THE HEALTH AND WELL BEING OF THE FAMILY IS ADDRESSED. ALSO COVERED ARE THE VARIOUS METHODS OF MEAL SERVICE, CULTURAL INFLUENCES ON FOODS IN AMERICA, AND FOODS IN DIFFERENT PARTS OF THE WORLD.

**HOUSING ENVIRONMENTS & DESIGN****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: \$10 - \$12.

MAJOR REQUIREMENTS OR PROJECTS: ONE MAJOR DESIGN PROJECT TO INCLUDE FLOOR PLANNING, INTERIOR FINISHING, FURNITURE SELECTION, AND APPLYING DESIGN PRINCIPLES AND ELEMENTS.

DESCRIPTION: THIS COURSE PROVIDES A LEARNING EXPERIENCES IN DESIGN AND COLOR PRINCIPLES AND THE PRACTICAL APPLICATION TO INTERIOR DESIGN. STUDENTS DEVELOP AND DRAW WORKABLE FLOOR PLANS TO USE IN HOME BUILDING. SPECIFIC AREAS OF THE HOME, SUCH AS KITCHEN AND BATH AND THEIR PLANNING ARE STUDIED IN DETAIL. FURNITURE STYLES, ACCESSORIES, AND ARRANGEMENT WILL BE COVERED IN ADDITION TO THE FINANCING AND THE LEGAL ASPECTS OF PURCHASING A HOME.

## **FAMILY & INDIVIDUAL HEALTH**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OF PROJECTS: NONE.

DESCRIPTION: FAMILY AND INDIVIDUAL HEALTH IS A BASIC HEALTH COURSE WHICH STRESSES THE RELATIONSHIP BETWEEN LIFESTYLE AND HABITS AND PERSONAL HEALTH. UNITS OF STUDY INCLUDE NUTRITION, EXERCISE, WEIGHT CONTROL, SUBSTANCE USE AND ABUSE, STRESS, BODY SYSTEMS, DISEASES AND THEIR PREVENTION, AND APPROPRIATE TECHNIQUES FOR CARING FOR ONE'S HEALTH. CAREERS IN THE HEALTH FIELD ARE EXPLORED, AS WELL AS INSTRUCTION IN BASIC FIRST AID AND CPR.

## **APPAREL & TEXTILES, ADVANCED**

**.50 CREDIT**

**ONE SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: CLOTHING & TEXTILES AND FACS I

COSTS: APPROXIMATELY \$60

MAJOR REQUIREMENTS OR PROJECTS: STUDENTS WILL CONSTRUCT FOUR GARMENT PROJECTS AND COMPLETE A BIOGRAPHICAL PAPER ABOUT A FASHION DESIGNER, AND A BUSINESS PLAN FOR A BUSINESS RELATED TO THE FASHION INDUSTRY.

DESCRIPTION: ADVANCED CLOTHING AND TEXTILES IS A COURSE IN WHICH STUDENTS WILL BUILD ON CONSTRUCTION TECHNIQUES LEARNED IN CLOTHING AND TEXTILES. STUDENTS WILL CONSTRUCT A MINIMUM OF FOUR GARMENTS MEETING ADVANCED CONSTRUCTION STANDARDS. IT IS A PRACTICAL COURSE IN PLANNING FOR AND CONSTRUCTION OF FAMILY CLOTHING AND MAINTENANCE AND REPAIR OF THOSE ITEMS. A STUDY OF FIBERS, FABRICS AND FINISHES AS WELL AS ENTREPRENEURSHIP OPPORTUNITIES IS INCLUDED.

## **CAREER AND FAMILY LEADERSHIP**

**.50 CREDIT**

**ONE SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: FACS I

MAJOR REQUIREMENTS OR PROJECTS: ORAL PRESENTATION ABOUT FCCLA, STAR EVENTS PROJECT, LEADERSHIP PORTFOLIO, SERVICE PROJECT.

DESCRIPTION: CAREER AND FAMILY LEADERSHIP IS DESIGNED FOR THE APPLICATION OF LEADERSHIP SKILLS IN FAMILY, CAREER AND COMMUNITY SETTINGS. STUDENTS WILL SOLVE PROBLEM IMPACTING THE WORK OF THE FAMILY, MAKE DECISIONS THAT SUPPORT AND STRENGTHEN THE INTEGRATION OF MULTIPLE ROLES/RESPONSIBILITIES OF INDIVIDUALS, FAMILIES AND COMMUNITIES, AND WILL EXPLORE WORK, JOBS, AND CAREERS RELATED TO FAMILY AND CONSUMER SCIENCES AND HUMAN SERVICES.

**FOOD SCIENCE****.50 CREDIT****ONE SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NUTRITION &amp; WELLNESS AND FOODS &amp; NUTRITION

MAJOR REQUIREMENTS OR PROJECTS: ORAL PRESENTATION, PORTFOLIO OF SKILLS RELATED TO FOOD SERVICE CAREERS.

DESCRIPTION: CULINARY ESSENTIALS I IS DESIGNED TO GIVE STUDENTS A SOUND KNOWLEDGE BASE OF FOOD MANAGEMENT, SET UP OF A COMMERCIAL KITCHEN, CALCULATING OF FOOD COSTS, MENU PLANNING, AND BASIC COOKING METHODS. STUDENTS WILL BE INVOLVED IN MANY PROJECTS AND HANDS ON LEARNING ACTIVITIES.

**FOOD SCIENCE, ADVANCED****.50 CREDIT****ONE SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NUTRITION &amp; WELLNESS AND FOODS &amp; NUTRITION, CULINARY ESSENTIALS I

MAJOR REQUIREMENTS OR PROJECTS: ORAL PRESENTATION, DEMONSTRATION OF VARIOUS FOOD PREPARATION TECHNIQUES.

DESCRIPTION: CULINARY ESSENTIALS II IS DESIGNED FOR THE APPLICATION OF THE KNOWLEDGE THAT STUDENTS LEARNED IN CULINARY ESSENTIALS I. STUDENTS WILL DEMONSTRATE AN IN DEPTH KNOWLEDGE OF THE ESSENTIALS NECESSARY TO PREPARE ALL DIFFERENT TYPES OF FOOD. MOST LEARNING WILL TAKE PLACE IN A LABORATORY SETTING.

**CAREER DEVELOPMENT/ENTREPRENEURSHIP****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: LIFE SKILLS (FACS I)

MAJOR REQUIREMENTS OF PROJECTS: ENTREPRENEUR PROJECT, CAREER PAPER.

DESCRIPTION: FAMILY AND CONSUMER SCIENCES INTERSHIP IS A COURSE THAT ALLOWS STUDENTS WITH PREVIOUS FACS COURSE COMPLETION TO APPLY SKILLS LEARNED IN THE WORKPLACE. STUDENTS LEARN SKILLS FOR SECURING A JOB, JOB INTERVIEWING SKILLS, AND SUCCESSFUL EMPLOYEE SKILLS. THOSE ENROLLED WILL BE PLACED IN A LOCAL FAMILY AND CONSUMER SCIENCES RELATED BUSINESS FOR EMPLOYMENT AND MUST MEET CRITERIA ESTABLISHED BY BOTH THE BUSINESS AND THE SCHOOL.

**PRACTICAL ARTS**  
**INDUSTRIAL TECHNOLOGY**

**INTRO TO INDUSTRIAL TECHNOLOGY**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 9, 10

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: MUST PASS SAFETY TESTS BEFORE STARTING PROJECT CONSTRUCTION.

DESCRIPTION: INTO TO INDUSTRIAL TECHNOLOGY IS AN INTRODUCTORY COURSE DESIGNED TO ACQUAINT STUDENTS WITH PRACTICAL INFORMATION ABOUT DIFFERENT FORMS OF TECHNOLOGY. STUDENTS WILL BE INTRODUCED TO THE TECHNICAL METHODS OF INDUSTRY, SAFE WORKING HABITS, AND CAREERS OFFERED IN INDUSTRIAL TECHNOLOGY. TOPICS TO BE COVERED INCLUDE COMMUNICATION TECHNOLOGY, WOOD AND METAL TECHNOLOGY, ELECTRICAL TECHNOLOGY, AND TRANSPORTATION TECHNOLOGY. STUDENTS WILL DEMONSTRATE AN APPRECIATION OF GOOD DESIGN AND QUALITY WORKMANSHIP ALONG WITH THE ABILITY TO USE HAND AND POWER TOOLS TO PRODUCE PRODUCTS IN THE DIFFERENT TECHNOLOGICAL FIELDS.

**ENGINEERING GRAPHICS**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12 (ONLY 11 AND 12 MAY RECEIVE 3 HR. COLLEGE CREDIT THROUGH MAC \$15.00 COST, ONE TIME COST)

PRE-REQUISITES: NONE.

COST: \$3.00 LAB FEE

MAJOR REQUIREMENTS OR PROJECTS: COMPLETION OF TRADITIONAL DRAWINGS AND COMPUTER AIDED DESIGN DRAWINGS, BRIDGE DESIGN AND CONSTRUCTION, SIMPLE MACHINE DESIGN AND CONSTRUCTION. **THIS CLASS WILL PROVIDE AN OPPORTUNITY FOR MAC COLLEGE CREDIT.**

DESCRIPTION: ENGINEERING GRAPHICS IS DESIGNED TO PROVIDE THE STUDENTS WITH DRAFTING INSTRUCTIONS AND EXPERIENCES IN THE DRAFTING FIELD. EMPHASIS WILL BE PLACED ON ENGINEERING DESIGN, AND WILL INCLUDE THE PRINCIPLES AND TECHNIQUES OF THE GRAPHIC LANGUAGE FROM SKETCHING, LETTERING, ORTHOGRAPHIC PROJECTION, TRIANGULATION, TO GEOMETRIC AND ADVANCED PRINCIPLES OF SURFACE DEVELOPMENT. THIS COURSE WILL INCLUDE A SERIES OF LECTURES, DEMONSTRATIONS, MODEL BUILDING, AND INDIVIDUAL DRAWINGS.

**INDEPENDENT STUDY IN DRAFTING**

**1.00 OR 2.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: ARCHITECTURAL/COMPUTER AIDED DRAFTING AND DESIGN (PERMISSION OF INSTRUCTOR)

MAJOR REQUIREMENTS OR PROJECTS: INDIVIDUAL PROJECTS WITH EXTENSIVE WORK ON CAD SYSTEM.

COST: \$4.00 LAB FEE

DESCRIPTION: IT IS A CONTINUATION OF ARCHITECTURAL/COMPUTER AIDED DRAFTING AND DESIGN. DEPENDING ON STUDENT'S INTEREST, STUDENT WILL SELECT, PLAN, AND DRAW PROJECT(S) IN A SELECTED AREA. ADVANCED MODEL BUILDING, AS WELL AS SIMPLY CONSTRUCTION CONCEPTS WILL AND OR COULD BE ADDRESSED DEPENDING ON THE STUDENT'S INTEREST.

**INDUSTRIAL WOODS/  
INDUSTRIAL WOODS, ADVANCED**

**1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: INTRO TO INDUSTRIAL TECHNOLOGY PASSED WITH AT LEAST A C-.

COST: FEES ARE BASED ON COST OF PROJECTS SELECTED BY STUDENTS.

MAJOR REQUIREMENTS OR PROJECTS: MUST PASS SAFETY TESTS WITH A 80% OR ABOVE BEFORE STARTING PROJECT CONSTRUCTION.

DESCRIPTION: WOODWORKING TECHNOLOGY IS DESIGNED TO PROVIDE STUDENTS WITH PRACTICAL INFORMATION ABOUT WOODWORKING MATERIALS, PLANNING, TOOLS, MACHINES, PROCESSES, SAFETY, AND CAREERS. STUDENTS IN WOODWORKING TECHNOLOGY I WILL COMPLETE CLASS WORK AND ONE PROJECT. STUDENTS IN WOODWORKING TECHNOLOGY II-IV WILL DEMONSTRATE ADVANCED SKILLS AND TECHNIQUES USED WITH MACHINE PROCESSES AND SHOP SAFETY PRACTICES AND WILL COMPLETE ONE PROJECT.

**INDUSTRIAL METAL TECHNOLOGY**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: INTRO TO INDUSTRIAL TECH PASSED WITH AT LEAST A C-.

COST: \$15.00 LAB FEE (COVERS THREE REQUIRED METAL PROJECTS) PLUS COST OF PERSONAL PROJECT (\$20-\$200).

MAJOR REQUIREMENTS OR PROJECTS: COMPLETION OF CLASS WORK AND PROJECTS.

DESCRIPTION: METAL WORKING TECHNOLOGY IS DESIGNED TO PROVIDE STUDENTS WITH PRACTICAL INFORMATION ABOUT METALWORKING MATERIALS, PLANNING, MACHINES, PROCESSES, SAFETY AND CAREERS BY CONSTRUCTING VARIOUS PROJECTS.

**POWER MECHANICS TECHNOLOGY**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: INTRO TO INDUSTRIAL TECH PASSED WITH AT LEAST A C-.

COST: \$2.00 LAB FEE PLUS COST OF PROJECT (\$20-\$200).

MAJOR REQUIREMENTS OR PROJECTS: COMPLETION OF A SET OF PROJECTS AND RECONDITIONING OF A FOUR CYCLE ENGINE.

DESCRIPTION: THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH THE FUNDAMENTALS OF SMALL GAS ENGINES. SMALL GAS ENGINES IS DESIGNED TO PROVIDE STUDENTS WITH PRACTICAL INFORMATION ABOUT SMALL GAS ENGINE THEORY, CONSTRUCTION, OPERATION, LUBRICATION, MAINTENANCE, TROUBLESHOOTING, SERVICE, REBUILDING, SAFETY, AND CAREERS. STUDENTS WILL RECONDITION A TWO OR FOUR CYCLE ENGINE.

## **ELECTRICITY/ELECTRONICS**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 10, 11, 12

PRE-REQUISITES: INTRO TO INDUSTRIAL TECH PASSED WITH AT LEAST A C-.

MAJOR REQUIREMENTS OR PROJECTS: MUST PASS SAFETY TESTS BEFORE USING POWER TOOLS.

DESCRIPTION: THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH THE FUNDAMENTALS AND PRACTICAL INFORMATION ABOUT ELECTRICAL THEORY, CIRCUIT DESIGN AND BUILDING, AND CODE REQUIREMENTS. STUDENTS WILL PLAN AND BUILD RESIDENTIAL CIRCUITS USING THE PROPER TOOLS AND EQUIPMENT. STUDENTS WILL BE INTRODUCED TO THE METHODS AND SAFE PRACTICES USED IN RESIDENTIAL WIRING. STUDENTS WILL ALSO LEARN THE MAINTENANCE AND TROUBLE SHOOTING ASPECTS OF RESIDENTIAL WIRING. THIS IS A HANDS ON COURSE IN WHICH STUDENTS USE A VARIETY OF TOOLS AND EQUIPMENT TO COMPLETE AND TROUBLESHOOT RESIDENTIAL WIRING PROJECTS.

## **ARCHITECTURAL STRUCTURES & DESIGN TECHNOLOGY 2 CLASS PERIODS DAILY**

**2.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: ENGINEERING GRAPHICS PASSED WITH AT LEAST A B-.

COST: \$4.00 LAB FEE

MAJOR REQUIREMENTS OR PROJECTS: COMPLETION OF A SET OF 8 WORKING DRAWINGS; FLOOR PLAN, ELEVATION PLAN, ELECTRICAL PLAN, FOUNDATION PLAN, WALL SECTIONAL PLAN, ETC. AND OTHER COMPUTER AIDED DESIGN DRAWINGS (TECHNICAL AND ARCHITECTURAL), ADVANCED DESIGN AND CONSTRUCTION CONCEPTS, MODEL DESIGN AND CONSTRUCTION APPLICATIONS. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

DESCRIPTION: THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH THE FUNDAMENTALS OF RESIDENTIAL ARCHITECTURE AS WELL AS AUTO CAD AND OTHER ADVANCED TECHNICAL DESIGN CONCEPTS. EMPHASIS WILL INCLUDE PRINCIPLES AND TECHNIQUES OF ARCHITECTURAL DRAWING WITH TRADITIONAL INSTRUMENTS, CONSTRUCTION TOOLS, AND COMPUTER AIDED DRAFTING DESIGN TOOLS. THE COURSE WILL INCLUDE A SERIES OF REAL WORLD EXPERIENCES ON MODEL BUILDING, DEMONSTRATIONS, WORKING DRAWINGS, CONSTRUCTION CONCEPTS ALL OF WHICH WILL BE LECTURE AND HANDS ON. STUDENTS WILL RELY ON AUTO CAD AND OTHER COMPUTER SOFTWARE TO COMPLETE SUCH HANDS ON ACTIVITIES.

## VOCATIONAL - ON CAMPUS

### AGRICULTURE

#### AGRICULTURAL SCIENCE I

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 9, 10

PRE-REQUISITES: FARM BACKGROUND HELPFUL.

COST: FFA DUES.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER.

DESCRIPTION: AGRICULTURAL SCIENCE I INTRODUCES STUDENTS TO THE PRODUCTION OF DOMESTICATED LIVESTOCK AND ITS IMPORTANCE TO OUR LOCAL, STATE AND NATIONAL ECONOMIES. STUDENTS WILL BE INTRODUCED TO SHIELD METAL ARC WELDING (SMAW) AND OXY-ACETYLENE TORCH OPERATION. EACH STUDENT WILL BEGIN AN SAE PROJECT. THIS PROJECT WILL EXTEND LEARNING BEYOND THE CLASSROOM WALLS. STUDENTS CAN CHOOSE THE TYPE AND SCOPE OF THEIR SAE PROJECT. EACH STUDENT WILL LEARN HOW TO KEEP ACCURATE RECORDS USING THE MISSOURI RECORD KEEPING BOOKS. FINALLY, STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER, PARTICIPATING IN EVENTS, FILLING OUT AWARD APPLICATIONS, AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

#### AGRICULTURAL SCIENCE II

1.00 CREDIT

TWO SEMESTERS

GRADE LEVEL: 10, 11

PRE-REQUISITES: AGRICULTURAL SCIENCE I.

COST: FFA DUES; PROJECT CONSTRUCTION.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER.

DESCRIPTION: AGRICULTURAL SCIENCE II INTRODUCES AGRONOMY TO STUDENTS. AGRONOMY IS THE STUDY OF SOILS AND CROPS, AS WELL AS, METHODS OF PROTECTING SOILS AND CROPS FROM PESTS SUCH AS WEEDS AND INSECTS. STUDENTS WILL ALSO STUDY ENTOMOLOGY AND FORESTRY AS A COMPONENT OF THIS COURSE. STUDENTS WILL BE INTRODUCED TO GAS METAL ARC WELDING (GMAW) AND OXY-ACETYLENE WELDING OPERATIONS. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. FINALLY, STUDENTS WILL JOIN THE STE. GENEVIEVE CHAPTER PARTICIPATING IN EVENTS, FILLING OUT AWARD APPLICATIONS, AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

## **AGRICULTURAL MANAGEMENT ECONOMICS**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES; PROJECT CONSTRUCTION.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER.

DESCRIPTION: AGRICULTURAL FARM MANAGEMENT AND AGRIBUSINESS COVERS DIFFERENT TYPES OF FARMING, INCOME TAXES, INSURANCE, PROFIT MAXIMIZING PRINCIPLES, AND FARM MACHINERY. IN THE AGRI-BUSINESS AREA, IT COVERS THE DIFFERENT TYPES AND HOW THEY FUNCTION, HUMAN RELATIONS, AND COMMUNICATION (VERBAL AND WRITTEN). BUSINESS RECORDS AND PROCEDURES WILL BE ANALYZED. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

## **AGRICULTURAL STRUCTURES**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER.

DESCRIPTION: AGRICULTURAL STRUCTURES AND DESIGN ENCOMPASSES THE STUDY OF ELECTRICAL WIRING AND CIRCUITS, CONCRETE MASONRY, PLUMBING, FARM FENCES, LAND SURVEYING, AND FARM BUILDINGS. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

## **FISH AND WILDLIFE MANAGEMENT**

**.50 CREDIT**

**ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER.

DESCRIPTION: FISH AND WILDLIFE MANAGEMENT PREPARES STUDENTS FOR CAREERS IN THE MISSOURI CONSERVATION FIELD, OUTDOOR RECREATIONAL ACTIVITIES IN THE CONSERVATION AND/OR IMPROVEMENT OF NATURAL RESOURCES SUCH AS OIL, WATER, AIR, FORESTS, FISH AND WILDLIFE FOR ECONOMIC AND RECREATIONAL PURPOSES. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

**LANDSCAPING****.50 CREDIT****ONE SEMESTER**

GRADE LEVEL: 11, 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER; MAJOR LANDSCAPING PROJECT.

DESCRIPTION: TURF AND LANDSCAPE MANAGEMENT ENCOMPASSES THE STUDY OF SOILS AND FERTILIZERS FOR SOD PRODUCTION, THE BASIC TECHNIQUES OF LANDSCAPE DESIGN, LANDSCAPE CONSTRUCTION, INSTALLATION, AND MAINTENANCE. THIS COURSE ALSO INCLUDES THE STUDY OF SKILLS NEEDED FOR THE ESTABLISHMENT AND MAINTENANCE OF TURF. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND PARTICIPATING IN LOCAL, AREA AND STATE CONTESTS.

**AGRICULTURAL CONSTRUCTION****1.00 CREDITS****TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES; CONSTRUCTION.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER; PLAN, DESIGN, AND BUILD AN AGRICULTURE CONSTRUCTION PROJECT.

DESCRIPTION: AGRICULTURAL CONSTRUCTION SKILLS ADVANCES MECHANICAL SKILLS OBTAINED IN PRIOR VOCATIONAL AGRICULTURAL COURSES. LARGE MECHANICS PROJECTS CAN BE BUILT OR OVERHAULED. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

**AGRICULTURAL MACHINERY****1.00 CREDIT****TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I, AGRICULTURAL SCIENCE II

COST: FFA DUES, LAWN MOWER MOTOR OVERHAUL (POSSIBLE).

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER BRING IN SMALL ENGINE TO REPAIR/OVERHAUL.

DESCRIPTION: AGRICULTURAL POWER AND MACHINERY COVERS THE BASICS OF SMALL GAS ENGINES AND DIESEL ENGINES. THIS COURSE INTRODUCES THE STUDENTS TO MACHINERY THAT IS USED ON THE FARM. THIS COURSE WILL TEACH STUDENTS TO READ MANUALS, OBSERVE SAFETY PRACTICES AND TROUBLE SHOOT PROBLEMS THAT ARE PRESENTED TO THEM. IT ALSO WILL EXPOSE STUDENTS TO THE BASIC MAINTENANCE OF LARGE FARM EQUIPMENT. EACH STUDENT WILL CONTINUE THEIR SAE PROJECT AS THEY TRY TO EXPAND THE PROJECT EITHER MONETARILY OR ON SCOPE AND SCALE. STUDENTS WILL JOIN THE STE. GENEVIEVE FFA CHAPTER PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE FFA DEGREE AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

**AGRICULTURE SAE (SUPERVISED AG EXPERIENCE) 1.00 CREDIT**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: AGRICULTURAL SCIENCE I AND AGRICULTURAL SCIENCE II.

COST: FFA DUES; POSSIBLE ON-THE-JOB EXPENSES.

MAJOR REQUIREMENTS OR PROJECTS: FFA MEMBER; PLACEMENT IN AN AGRICULTURAL-RELATED OCCUPATION. STUDENT MUST BE IN GOOD STANDING WITH THE SCHOOL.

DESCRIPTION: SUPERVISED AGRICULTURE EXPERIENCE PROVIDES HANDS ON TRAINING FOR STUDENTS WHO ARE RELEASED ON SCHOOL TIME TO COMPLETE A COOPERATIVE OCCUPATIONAL EXPERIENCE AT AN APPROVED AGRIBUSINESS TRAINING STATION. A SIGNED TRAINING AGREEMENT AND TRAINING PLAN MUST BE COMPLETED FOR EACH STUDENT. EACH STUDENT ENROLLED IN THIS COURSE IS RESPONSIBLE FOR KEEPING UP TO DATE ON FFA ACTIVITIES AND IS ELIGIBLE FOR PARTICIPATING IN EVENTS, FILLING OUT PROFICIENCY AWARD APPLICATIONS, APPLYING FOR THE STATE OR AMERICAN FFA DEGREE OR (STATE DEGREE IF THEY WERE NOT OBTAINED DURING THE JUNIOR YEAR) AND COMPETING IN LOCAL, AREA AND STATE CONTESTS.

## VOCATIONAL - ON CAMPUS

### AUTOMOTIVE SERVICE TECHNOLOGY

#### AUTOMOTIVE SERVICE TECHNOLOGY I 3 CLASS PERIODS DAILY

3.00 CREDITS

TWO SEMESTERS

GRADE LEVEL: 11

PRE-REQUISITES: INTRO TO INDUSTRIAL TECH PASSED WITH A GRADE OF C- OR HIGHER.

COST: APPROXIMATELY \$500.00 FOR BASIC TOOLS AS PER LIST BY INSTRUCTOR. TOOLS MUST BE PURCHASED PRIOR TO CLASS BEGINNING OR NO LATER THAN THE FIRST WEEK OF SCHOOL. ALSO AN \$11.00 MEMBERSHIP FEE TO SKILLS USA (STATE REQUIREMENT).

MAJOR REQUIREMENTS OR PROJECTS: COMPLETE OBJECTIVES AS REQUIRED. ALL STUDENTS WILL COMPLETE A SAFETY AND TOOL IDENTIFICATION UNIT BEFORE BEGINNING COURSE WORK. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

DESCRIPTION: AUTOMOTIVE SERVICE TECHNOLOGY IS A TWO-YEAR VOCATIONAL PROGRAM THAT IS DIVIDED INTO FOUR SEMESTER COURSES THAT ARE ALIGNED WITH THE ASE CERTIFICATION PROGRAM AND THE TECH PREP PROGRAM IN THE STATE OF MISSOURI. THE FOUR AREAS OF INSTRUCTION ARE ENGINE REPAIR, BRAKES, STEERING AND SUSPENSION, AND ELECTRICAL SYSTEMS. STUDENTS WILL ACQUIRE A TECHNICAL VOCABULARY, DEVELOP THE ABILITY TO READ AND UNDERSTAND SHOP MANUALS, TECHNICAL SERVICE BULLETINS AS WELL AS APPLY THE INSTRUCTIONS GIVEN IN SERVICE INFORMATION.

ENGINE REPAIR: THE STUDENT WILL STUDY BASIC ENGINE CONSTRUCTION, NOMENCLATURE AND SERVICING. MANY RELATED SYSTEMS INCLUDING THEIR LUBRICATION SYSTEM, COOLING SYSTEM AS WELL AS INSTRUCTION ON THE PROPER INSTALLATION OF GASKETS AND SEALS. STUDENTS WILL RECEIVE GROUP AND INDIVIDUAL INSTRUCTION AND BE EXPECTED TO PERFORM VARIOUS TASKS TO MEET THE INSTRUCTOR'S SATISFACTION. INDIVIDUALS WILL PROGRESS AT THEIR OWN PACE AND MUST BE WILLING TO PURSUE ON AN INDIVIDUAL BASIS THOSE OBJECTIVES THEY HAVE PRACTICED AND BECOME PROFICIENT IN. WRITTEN TESTS AS WELL AS TEXTBOOK ASSIGNMENTS WILL BE GIVEN TO REINFORCE CLASSROOM INSTRUCTION. STUDENTS WILL COMPLETE OBJECTIVES ON IN HOUSE TEST ENGINES OR THEY MAY BRING IN ENGINES OF THEIR OWN THEY WANT TO REBUILD.

STEERING AND SUSPENSION: THIS COURSE WILL CONSIST OF THE STUDY OF TIRES, WHEELS, AND BALANCING OF TIRES AS WELL AS THE STUDY OF STEERING GEOMETRY. IN STEERING GEOMETRY, WHEEL ALIGNMENT ANGLES WILL BE IDENTIFIED AND DISCUSSED AS WELL AS THERE AFFECT ON VEHICLE HANDLING. STUDENTS WILL BECOME FAMILIAR WITH NOMENCLATURE OF BOTH LONG AND SHORT ARM SUSPENSION SYSTEMS AND MAC PHERSON STRUT SUSPENSION SYSTEMS. BASIC SERVICING OF MANUAL AND POWER RACK AND PINION STEERING SYSTEMS AND ALSO POWER AND MANUAL STEERING GEAR BOXES. STUDENTS WILL PERFORM ALIGNMENTS USING UP TO DATE FOUR WHEEL ALIGNMENT EQUIPMENT AS WELL AS MAGNETIC MOUNT BUBBLE SYSTEMS. STUDENTS WILL PROGRESS AT THEIR OWN PACE WORKING ON COURSE OBJECTIVES. OBJECTIVES WILL BE COMPLETED IN MOCK-UPS OR ON ACTUAL VEHICLES BROUGHT IN FOR SERVICING. TEXTBOOK ASSIGNMENTS AND TEST QUIZZES WILL BE GIVEN TO MEASURE THE STUDENTS KNOWLEDGE AND UNDERSTANDING OF INSTRUCTION GIVEN.

**AUTOMOTIVE SERVICE TECHNOLOGY II**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: C- OR HIGHER IN AUTOMOTIVE I.

COSTS: APPROXIMATELY \$500.00 FOR BASIC TOOLS AS PER LIST BY INSTRUCTOR. TOOLS MUST BE PURCHASED PRIOR TO CLASS BEGINNING OR NO LATER THAN THE FIRST WEEK OF SCHOOL. ALSO AN \$11.00 MEMBERSHIP FEE TO SKILLS USA (STATE REQUIREMENT).

MAJOR REQUIREMENTS OR PROJECTS: COMPLETE OBJECTIVES AS REQUIRED. ALL STUDENTS WILL COMPLETE A SAFETY AND TOOL IDENTIFICATION UNIT BEFORE BEGINNING COURSE WORK. **STUDENTS MAY RECEIVE COLLEGE CREDIT FROM MAC FOR THIS CLASS.**

DESCRIPTION: AUTOMOTIVE SERVICE TECHNOLOGY IS A TWO-YEAR VOCATIONAL PROGRAM THAT IS DIVIDED INTO FOUR SEMESTER COURSES THAT ARE ALIGNED WITH THE ASE CERTIFICATION PROGRAM AND THE TECH PREP PROGRAM IN THE STATE OF MISSOURI. THE FOUR AREAS OF INSTRUCTION ARE ENGINE REPAIR, BRAKES, STEERING AND SUSPENSION, AND ELECTRICAL SYSTEMS. STUDENTS WILL ACQUIRE A TECHNICAL VOCABULARY, DEVELOP THE ABILITY TO READ AND UNDERSTAND SHOP MANUALS, TECHNICAL SERVICE BULLETINS AS WELL AS APPLY THE INSTRUCTIONS GIVEN IN SERVICE INFORMATION.

BRAKES: THE BRAKE SYSTEM COURSE WILL CONSIST OF THE STUDY OF THE BRAKE HYDRAULIC SYSTEM, POWER BOOSTERS AND THE OPERATION OF DISC, AS WELL AS DUO-SERVO AND NON-SERVO TYPE DRUM BRAKES. INSTRUCTION ON THE CONSTRUCTION AND SERVICING OF ANTI-LOCK BRAKES WILL GIVE THE STUDENT THE KNOWLEDGE AND ABILITY TO SERVICE ALL WHEEL ANTI-LOCK BRAKE SYSTEMS AS WELL AS REAR WHEEL ANTI-LOCK BRAKE SYSTEMS. STUDENTS WILL LEARN SERVICING AND PRECISION MEASURING BRAKE DRUMS AND ROTORS. STUDENTS WILL COMPLETE COURSE OBJECTIVES AT THEIR OWN RATE OF READINESS. OBJECTIVES WILL BE COMPLETED ON MOCK-UPS OR ON ACTUAL VEHICLES. TESTS, QUIZZES, AND TEXTBOOK ASSIGNMENTS WILL BE GIVEN TO MEASURE THE STUDENTS UNDERSTANDING OF OPERATION AND SERVICING TECHNIQUES.

ELECTRICAL SYSTEMS: THIS COURSE WILL INCLUDE THE STUDY OF THE BASIC ELECTRICAL CIRCUITS AND ACCESSORIES OF THE MODERN AUTOMOBILE. THE COURSE WILL INCLUDE A STUDY OF OHM'S LAW AND IDENTIFICATION AND BUILDING AND TESTING OF SERIES, PARALLEL, AND SERIES PARALLEL CIRCUITS. STUDENTS WILL RECEIVE INSTRUCTION IN WIRING DIAGRAM READING ALONG WITH THE IDENTIFICATION AND TESTING OF VARIOUS TYPES OF CIRCUIT PROTECTORS. INSTRUCTION WILL BE GIVEN REGARDING WIRE SIZES AND THEIR APPLICATIONS ALONG WITH PROPER REPAIR TECHNIQUES. SYSTEMS STUDIED WILL INCLUDE STARTING, CHARGING, LIGHTING CIRCUITS AS WELL AS MANY ACCESSORIES SUCH AS WIPER MOTORS, RADIOS, POWER SEATS, WINDOWS AND ELECTRICAL MOTORS. STUDENTS WILL ACQUIRE THE SKILLS OF USING TEST EQUIPMENT SUCH AS VOLT METERS, OHMMETERS, AMMETERS AND IGNITION OSCILLOSCOPES. STUDENTS WILL COMPLETE OBJECTIVES AT THEIR OWN PACE AND AT THEIR OWN RATE OF READINESS. OBJECTIVES COMPLETION WILL BE ON MOCK-UP OR ACTUAL VEHICLE. TESTS, QUIZZES AND TEXTBOOK ASSIGNMENTS WILL MEASURE THE STUDENTS UNDERSTANDING OF INSTRUCTIONAL MATERIALS.

## VOCATIONAL - OFF CAMPUS

### PERRYVILLE AREA CAREER/TECHNOLOGY CENTER

#### **AUTO BODY REPAIR I 3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: NONE, EXCEPT FOR STUDENT-OWNED PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, COMPLIANCE WITH ALL SHOP SAFETY RULES.

DESCRIPTION: DESIGNED FOR STUDENTS WHO HAVE THE DESIRE TO WORK IN THE AUTOMOBILE BODY INDUSTRY. STUDENTS WILL EXPERIENCE STRUCTURAL ANALYSIS AND REPAIR, NON-STRUCTURAL ANALYSIS AND REPAIR, PAINTING AND REFINISHING, PLASTIC REPAIR, AND SOME LIGHT MECHANICAL REPAIR. STUDENTS WILL LEARN THEORY AS WELL AS HAVE HANDS-ON TRAINING. THEY WILL LEARN SAFE WORK HABITS AND ADDRESS ENVIRONMENTAL ISSUES. STUDENTS WILL MEET ENTRY-LEVEL JOB STANDARDS, AS WELL AS PREPARE TO FURTHER THEIR EDUCATION AT A TECHNICAL COLLEGE.

#### **AUTO BODY REPAIR II 3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: AUTO COLLISION REPAIR I.

COST: NONE, EXCEPT OF STUDENT-OWNED PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, COMPLIANCE WITH ALL SHOP SAFETY RULES.

DESCRIPTION: AUTO COLLISION REPAIR II IS DESIGNED TO PREPARE STUDENTS FOR THE WORLD OF WORK IN THE AUTOMOBILE BODY INDUSTRY. INSTRUCTION WILL INCLUDE A REVIEW OF EYE SAFETY AND AUTO COLLISION REPAIR I WORK INCLUDING ANY COMPETENCIES NOT MASTERED IN AUTO COLLISION I, PLUS SAFETY, CORRECTIONAL FRAME CONSTRUCTION AND REPAIR, UNIBODY FRAME CONSTRUCTION AND REPAIR, STEERING AND SUSPENSION SYSTEMS, PLASTIC PANEL REPAIR, FIBERGLASS PANEL REPAIR, EXTERIOR MOLDINGS AND TRIM, LIGHTING SYSTEMS, AND WRITING DAMAGE REPORTS. A CO-OP PROGRAM IS AVAILABLE TO STUDENTS WHO QUALIFY. IN ADDITION, STUDENTS WILL BE INTRODUCED TO LEADERSHIP COMPETENCIES THROUGH INSTRUCTION AND PARTICIPATION IN THE VOCATIONAL INDUSTRIAL CLUBS OF AMERICA (VICA).

#### **CONSTRUCTION TECHNOLOGY I 3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE; FURNISH APPROPRIATE CLOTHING.

DESCRIPTION: THE BUILDING TRADES I COURSE PROVIDES A SIMULATED JOB SITUATION FOR THE STUDENT INTERESTED IN ACQUIRING CARPENTRY AND OTHER CONSTRUCTION SKILLS. THE STUDENT WILL BE EXPOSED TO MOST PHASES OF CONSTRUCTION AND ACTIVELY PARTICIPATE IN THE CONSTRUCTION OF A BUILDING. PROJECTS DIFFER FROM YEAR TO YEAR, RANGING FROM COMMERCIAL TO RESIDENTIAL CONSTRUCTION, AND MAY INCLUDE REMODELING OR REPAIR WORK. AS PART OF A THREE OR FOUR MAN CREW, VALUABLE LEADERSHIP AND TEAMWORK SKILLS WILL BE LEARNED. TECH PREP COLLEGE CREDIT CAN BE EARNED THROUGH THIS COURSE THROUGH MINERAL AREA COLLEGE.

**CONSTRUCTION TECHNOLOGY II  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: BUILDING TRADES I.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, FURNISH APPROPRIATE CLOTHING, COMPLETE AN EYE SAFETY EXAM.

DESCRIPTION: THE BUILDING TRADES II COURSE PROVIDES THE STUDENT THE OPPORTUNITY TO REVIEW AND EXPAND THE SKILLS LEARNED IN BUILDING TRADES I. STUDENTS WILL BE TEAMED WITH FIRST YEAR STUDENTS, AND THOSE WHO EXHIBIT LEADERSHIP QUALITIES WILL HAVE THE OPPORTUNITIES TO ACT AS CREW CHIEFS. ON OCCASION, THE STUDENT WILL BE EXPECTED TO STAY AFTER REGULAR HOURS TO FINISH A PARTICULAR JOB.

**EARLY CHILD PROFESSIONALS  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE.

DESCRIPTION: EARLY CHILD PROFESSIONALS IS A ONE-YEAR COURSE DESIGNED FOR STUDENTS WHO DESIRE TO WORK IN CAREERS INVOLVING CARE AND EDUCATION OF YOUNG CHILDREN PK-4<sup>TH</sup> GRADE AND THEIR FAMILIES. THE COURSE INCLUDES EARLY CHILD DEVELOPMENT, EDUCATION CHILD HEALTH AND SAFETY, NUTRITION, CHILDCARE REGULATIONS, SPECIAL NEEDS CHILDREN, AND EMPLOYMENT SKILLS. STUDENTS WILL BE RESPONSIBLE FOR PLANNING ACTIVITIES THAT STIMULATE A CHILD'S MENTAL, PHYSICAL, EMOTIONAL AND SOCIAL GROWTH. STUDENTS WILL HAVE THE OPPORTUNITY TO EARN UP TO 50 HOURS (DEPENDING ON SENDING SCHOOL LIMITS) TOWARD THEIR A+ TUTORING HOURS AND TO USE THEIR SKILLS THROUGH A ROTATION AT VARIOUS WORK SITES PK-4<sup>TH</sup> GRADE ON AND OFF CAMPUS. DUAL ENROLLMENT FOR MINERAL AREA COLLEGE ECE 100 AND ECE 104 WILL BE AVAILABLE.

\*\*\*SIX (6) HOURS OF COLLEGE CREDIT CAN BE OBTAINED THROUGH MINERAL AREA COLLEGE TOWARD AN ASSOCIATES OF APPLIED SCIENCE DEGREE IN CHILD DEVELOPMENT.

**COMPUTER SERVICING TECHNOLOGY I**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, OBEY ALL CLASS AND SAFETY RULES.

DESCRIPTION: COMPUTER MAINTENANCE IS A TWO-YEAR PROGRAM THAT PROVIDES STUDENTS WITH A SOLID FOUNDATION OF SKILLS NECESSARY TO SUCCEED IN THE 21<sup>ST</sup> CENTURY. THIS COURSE IS FULL OF HANDS-ON COMPUTER LABORATORY EXERCISES, GROUP DISCUSSIONS, INTERACTIVE COMPUTER SIMULATIONS, AND INSTRUCTOR-LED DISCUSSIONS. STUDENTS WILL HAVE THE OPPORTUNITY TO LEARN THE SKILLS AND KNOWLEDGE TO TAKE AND PASS THE COMPUTER TECHNOLOGY INDUSTRY ASSOCIATIONS' A+ COMPUTER SUPPORT CERTIFICATION EXAMS, A COMPUTER TECHNICIAN CERTIFICATION RECOGNIZED WORLDWIDE. TECH PREP COLLEGE CREDIT CAN BE EARNED THROUGH MINERAL AREA COLLEGE TOWARDS AN ASSOCIATE OF SCIENCE DEGREE IN ELECTRONICS TECHNOLOGY.

**COMPUTER SERVICING TECHNOLOGY II**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: COMPUTER MAINTENANCE I.

COST: NONE, EXCEPT FOR STUDENT-OWNED PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, OBEY ALL CLASS AND SAFETY RULES.

DESCRIPTION: COMPUTER MAINTENANCE IS A TWO-YEAR PROGRAM THAT PROVIDES STUDENTS WITH A SOLID FOUNDATION OF SKILLS NECESSARY TO SUCCEED IN THE 21<sup>ST</sup> CENTURY. THIS COURSE IS FULL OF HANDS-ON COMPUTER LABORATORY EXERCISES, GROUP DISCUSSIONS, INTERACTIVE COMPUTER SIMULATIONS, AND INSTRUCTOR-LED DISCUSSIONS. STUDENTS WILL HAVE THE OPPORTUNITY TO LEARN THE SKILLS AND KNOWLEDGE TO TAKE AND PASS THE COMPUTER TECHNOLOGY INDUSTRY ASSOCIATIONS' A+ COMPUTER SUPPORT CERTIFICATION EXAMS, A COMPUTER TECHNICIAN CERTIFICATION RECOGNIZED WORLDWIDE. TECH PREP COLLEGE CREDIT CAN BE EARNED THROUGH MINERAL AREA COLLEGE TOWARDS AN ASSOCIATE OF SCIENCE DEGREE IN ELECTRONICS TECHNOLOGY.

**GRAPHIC DESIGN I**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: KEYBOARDING.

COST: NONE, EXCEPT FOR OUTSIDE PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE.

DESCRIPTION: GRAPHIC COMMUNICATIONS/PRINTING IS A TWO-YEAR PROGRAM DESIGNED TO PREPARE STUDENTS FOR ENTRY-LEVEL EMPLOYMENT OR ADVANCED TRAINING IN THE OFFSET PRINTING INDUSTRY. INSTRUCTION INCLUDES HANDS-ON EXPERIENCE IN SAFETY, JOB ORDER, CUSTOMER LAYOUTS, TYPOGRAPHY, ELECTRONICS IMAGING, PROCESS CAMERA, PROCESSING FILM, IMAGE ASSEMBLY, PLATE MAKING, PRESS OPERATION, FINISHING OPERATIONS, PAPER AND PACKAGING AS WELL AS SCREEN PRINTING ON T-SHIRTS, HANDS-ON LAB EXPERIENCES ARE A MAJOR PORTION OF THIS PROGRAM. 36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN GRAPHIC ARTS/PRINTING TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES. *THIS PROGRAM IS CERTIFIED BY THE PRINTERS INSTITUTE OF AMERICA.*

**GRAPHIC DESIGN II  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: GRAPHIC COMMUNICATIONS/PRINTING I.

COST: NONE, EXCEPT FOR OUTSIDE PROJECTS.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, COMPLIANCE WITH SHOP SAFETY RULES.

DESCRIPTION: GRAPHIC COMMUNICATIONS/PRINTING IS A TWO-YEAR PROGRAM DESIGNED TO PREPARE STUDENTS FOR ENTRY-LEVEL EMPLOYMENT OR ADVANCED TRAINING IN THE OFFSET PRINTING INDUSTRY. INSTRUCTION INCLUDES HANDS-ON EXPERIENCE IN SAFETY, JOB ORDER, CUSTOMER LAYOUTS, TYPOGRAPHY, ELECTRONICS IMAGING, PROCESS CAMERA, PROCESSING FILM, IMAGE ASSEMBLY, PLATE MAKING, PRESS OPERATION, FINISHING OPERATIONS, PAPER AND PACKAGING AS WELL AS SCREEN PRINTING ON T-SHIRTS, HANDS-ON LAB EXPERIENCES ARE A MAJOR PORTION OF THIS PROGRAM. **36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN GRAPHIC ARTS/PRINTING TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES. *THIS PROGRAM IS CERTIFIED BY THE PRINTERS INSTITUTE OF AMERICA.***

**HEALTH SERVICE AIDE  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: ALTHOUGH THERE ARE NO MANDATORY PREREQUISITES FOR THE COURSE, HEALTH, HUMAN ANATOMY, AND BIOLOGY WOULD BE HELPFUL PREPARATORY COURSES.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE.

DESCRIPTION: HEALTH OCCUPATIONS IS DESIGNED TO PREPARE STUDENTS FOR ENTRY-LEVEL EMPLOYMENT IN THE HEALTH CARE FIELD. INSTRUCTION INCLUDES THE OPPORTUNITY TO STUDY THE HEALTH CARE DELIVERY SYSTEM, COMMUNICATION AND OBSERVATION SKILLS, SAFETY, CONCEPT OF MICROBIOLOGY, ANATOMY AND PHYSIOLOGY, LIFE STAGES, RELATED HEALTH DISORDERS, AND THE CARE OF SPECIFIC GROUPS OF PEOPLE SUCH AS CHILDREN AND THE ELDERLY. PROCEDURES RELATED TO BASIC NURSING CARE WILL ALSO BE TAUGHT, STUDENTS WILL BE EXPECTED TO DEMONSTRATE THOSE PROCEDURES. STUDENTS MAY WORK TOWARD BECOMING A CERTIFIED NURSE AIDE BY SPENDING THEIR CLINICAL HOURS IN THE NURSING HOME. IN ADDITION, STUDENTS WILL BE INTRODUCED TO LEADERSHIP COMPETENCIES THROUGH INSTRUCTION AND PARTICIPATION IN THE VOCATIONAL INDUSTRIAL CLUBS OF AMERICA (VICA).

**BUSINESS MANAGEMENT/MARKETING  
 BUSINESS MARKETING  
 BUSINESS MANAGEMENT  
 BUSINESS OWNERSHIP/ENTREPRENEURSHIP  
 SPORTS & ENTERTAINMENT MARKETING  
 3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE.

DESCRIPTION: BUSINESS MARKETING IS DESIGNED TO APPLY MARKETING CONCEPTS TO CURRENT TRENDS IN THE "REAL WORLD", STRESSING THE MULTI-CULTURAL NATURE OF THE U.S. DOMESTIC MARKETPLACE AND WORKPLACE, AS WELL AS THE MOVE TOWARDS A MORE GLOBAL ECONOMY. REAL-LIFE CASE STUDIES ALLOW APPLICATION TO ACTUAL BUSINESS SITUATIONS. MARKETING PRACTICES AND PRINCIPLES AT THE RETAIL AND INDUSTRIAL LEVEL ARE EXPLORED TO GIVE STUDENTS AN OVERVIEW OF THE IMPORTANCE OF MARKETING TO THE BUSINESS WORLD. INSTRUCTION INCLUDES BOTH PRACTICAL AND HANDS-ON TRAINING IN SUCH MARKETING AREAS AS PERSONAL SELLING, SALES PROMOTION, FREE ENTERPRISE, ECONOMICS, CAREER PREPARATION, PRODUCT DEVELOPMENT, AND CONSUMER BEHAVIOR.

BUSINESS MANAGEMENT OFFERS PRACTICAL GUIDANCE ON HOW TO DEVELOP MANAGEMENT SKILLS AND BECOME AN EFFECTIVE MANAGER. IT COVERS THE PLANNING, ORGANIZING, AND CONTROLLING OF A BUSINESS, WITH EMPHASIS ON VARIOUS THEORIES OF MANAGEMENT, THE KNOWLEDGE AND UNDERSTANDING NECESSARY FOR MANAGING PEOPLE, AND DECISION MAKING. TOPICS INCLUDE: MANAGING IN A NON-DISCRIMINATORY WAY, BUILDING POSITIVE DISCIPLINE, INTERFACING WITH HUMAN RESOURCES, LABOR RELATIONS TECHNIQUES, GROUP DYNAMICS, AND ETHICS. THIS COURSE WILL PREPARE THE STUDENT FOR AN ENTRY-LEVEL CAREER OR POST-SECONDARY EDUCATION IN THE MANAGEMENT FIELD.

BUSINESS OWNERSHIP/ENTREPRENEURSHIP PREPARES STUDENTS TO CARRY OUT THE ENTREPRENEURIAL PROCESS AND EXPERIENCE THE ENTREPRENEURIAL SPIRIT. INSTRUCTION WILL INCLUDE BOTH PRACTICAL AND HANDS-ON TRAINING IN AREAS OF CONCERN AND OWNERSHIP, FINANCIAL MANAGEMENT, RECORD KEEPING, AND PERSONNEL MANAGEMENT. A BACKGROUND IS PROVIDED FOR THE DEVELOPMENT AND OPERATION OF A BUSINESS STARTING WITH THE ROLE OF THE ENTREPRENEUR IN OUR ECONOMY TO THE DEVELOPMENT OF A BUSINESS PLAN, AND APPLICATION OF SPECIFIC MARKETING SKILLS AND CONCEPTS WITHIN THE BUSINESS ENVIRONMENT.

SPORTS & ENTERTAINMENT MARKETING COVERS THE BASIC FUNCTIONS OF MARKETING AND HOW THOSE FUNCTIONS ARE APPLIED TO SPORTS AND ENTERTAINMENT. MARKETING STRATEGIES USED BY SUCCESSFUL SPORTS AND ENTERTAINMENT MARKETING FIRMS WILL BE EVALUATED. INTERNET MARKETING WILL BE INVESTIGATED AND THE STUDENT WILL DISCOVER HOW THE INTERNET IS A MAJOR TOOL FOR TODAY'S MARKETERS.

**HVAC I  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, COMPLIANCE WITH SHOP SAFETY RULES.

DESCRIPTION: HEATING, VENTILATION, AIR CONDITIONING-REFRIGERATION TECHNOLOGY IS A TWO-YEAR PROGRAM WHICH WILL PREPARE THE STUDENT FOR AN ENTRY-LEVEL POSITION OR CONTINUED EDUCATION IN THE HEATING, VENTILATION, AIR CONDITIONING-REFRIGERATION FIELD. INSTRUCTION IN THIS PROGRAM WILL INCLUDE SAFETY, REFRIGERATION PRINCIPLES, PIPING PRINCIPLES, BASIC ELECTRICITY AND ELECTRICAL MOTORS, AND CONTROLS. HANDS-ON EXPERIENCE WILL BE AVAILABLE IN RESIDENTIAL AND LIGHT COMMERCIAL COOLING AND HEATING, WITH EMPHASIS ON INSTALLATION, PREVENTIVE MAINTENANCE, AND TROUBLESHOOTING. APPROPRIATE CUSTOMER RELATIONS WILL ALSO BE COVERED. LEADERSHIP SKILLS WILL BE COVERED AND PRACTICED THROUGH PARTICIPATION IN SKILLSUSA VICA, A VOCATIONAL STUDENT ORGANIZATION. **36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES.**

**HVAC II  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: HVAC-REFRIGERATION TECHNOLOGY I.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE, COMPLIANCE WITH ALL SHOP SAFETY RULES.

DESCRIPTION: HEATING, VENTILATION, AIR CONDITIONING-REFRIGERATION TECHNOLOGY IS A TWO-YEAR PROGRAM WHICH WILL PREPARE THE STUDENT FOR AN ENTRY-LEVEL POSITION OR CONTINUED EDUCATION IN THE HEATING, VENTILATION, AIR CONDITIONING-REFRIGERATION FIELD. INSTRUCTION IN THIS PROGRAM WILL INCLUDE SAFETY, REFRIGERATION PRINCIPLES, PIPING PRINCIPLES, BASIC ELECTRICITY AND ELECTRICAL MOTORS, AND CONTROLS. HANDS-ON EXPERIENCE WILL BE AVAILABLE IN RESIDENTIAL AND LIGHT COMMERCIAL COOLING AND HEATING, WITH EMPHASIS ON INSTALLATION, PREVENTIVE MAINTENANCE, AND TROUBLESHOOTING. APPROPRIATE CUSTOMER RELATIONS WILL ALSO BE COVERED. LEADERSHIP SKILLS WILL BE COVERED AND PRACTICED THROUGH PARTICIPATION IN SKILLSUSA VICA, A VOCATIONAL STUDENT ORGANIZATION. **36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES.**

**DIGITAL MEDIA I  
3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: NONE, EXCEPT FOR STUDENT OWNED PROJECTS.

DESCRIPTION: TELEVISION AND VIDEO PRODUCTION IS A TWO-YEAR PROGRAM THAT PREPARES STUDENTS FOR ENTRY-LEVEL EMPLOYMENT OR FURTHER TRAINING AT A COMMUNITY OR FOUR-YEAR COLLEGE. INSTRUCTION INCLUDES SUCH BASICS AS UNDERSTANDING AND USING THE VIDEO CAMERA, SCRIPT WRITING, STORY BOARDING, EDITING, LIGHTING, AND SET DESIGN. ADVANCED SKILLS WILL BE DEMONSTRATED IN DIRECTING AND PRODUCING PROGRAMS. STUDENTS HAVE THE OPPORTUNITY TO LEARN HOW TO PRODUCE NEWSCASTS, COMPUTER MULTIMEDIA, PUBLIC SERVICE ANNOUNCEMENTS, VIDEO NEWS MAGAZINES AND HOLLYWOOD STYLE MOVIE PRODUCTIONS. **36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN RADIO/TV BROADCASTING PRODUCTIONS TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES.**

**DIGITAL MEDIA II**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: TELEVISION AND VIDEO PRODUCTION I.

COST: NONE, EXCEPT FOR STUDENT OWNED PROJECTS.

DESCRIPTION: TELEVISION AND VIDEO PRODUCTION IS A TWO-YEAR PROGRAM THAT PREPARES STUDENTS FOR ENTRY-LEVEL EMPLOYMENT OR FURTHER TRAINING AT A COMMUNITY OR FOUR-YEAR COLLEGE. INSTRUCTION INCLUDES SUCH BASICS AS UNDERSTANDING AND USING THE VIDEO CAMERA., SCRIPT WRITING, STORY BOARDING, EDITING, LIGHTING, AND SET DESIGN. ADVANCED SKILLS WILL BE DEMONSTRATED IN DIRECTING AND PRODUCING PROGRAMS. STUDENTS HAVE THE OPPORTUNITY TO LEARN HOW TO PRODUCE NEWSCASTS, COMPUTER MULTIMEDIA, PUBLIC SERVICE ANNOUNCEMENTS, VIDEO NEWS MAGAZINES AND HOLLYWOOD STYLE MOVIE PRODUCTIONS. **36 HOURS OF TECH PREP COLLEGE CREDIT TOWARD AN AAS DEGREE IN RADIO/TV BROADCASTING PRODUCTIONS TECHNOLOGY CAN BE EARNED THROUGH MINERAL AREA COLLEGE WITH SUCCESSFUL COMPLETION OF BOTH COURSES.**

**WELDING I**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 11, 12

PRE-REQUISITES: NONE.

COST: COVERALLS, LEATHER WORK SHOES.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE; COMPLIANCE WITH ALL SHOP SAFETY RULES.

DESCRIPTION: WELDING I IS DESIGNED TO PREPARE STUDENTS TO ENTER ADVANCED TRAINING IN THE WELDING FIELD. INSTRUCTION INCLUDES SAFETY, BASIC SKILLS, OXYACETYLENE SET UP, OXYACETYLENE CUTTING AND WELDING IN ALL POSITIONS, METALLURGY AND HEAT TREATING ELECTRODE SELECTION, SHIELDED METAL ARC WELDING (SMAW) IN ALL POSITIONS, AND PLASMA CUTTING AND SET UP. IN ADDITION, STUDENTS WILL BE INTRODUCED TO LEADERSHIP COMPETENCIES THROUGH INSTRUCTION AND PARTICIPATION IN THE VOCATIONAL INDUSTRIAL CLUBS OF AMERICA (VICA).

**WELDING II**  
**3 CLASS PERIODS DAILY**

**3.00 CREDITS**

**TWO SEMESTERS**

GRADE LEVEL: 12

PRE-REQUISITES: WELDING I.

COST: COVERALLS, LEATHER WORK SHOES.

MAJOR REQUIREMENTS OR PROJECTS: REGULAR ATTENDANCE; COMPLIANCE WITH ALL SHOP SAFETY RULES.

DESCRIPTION: WELDING II IS DESIGNED TO FURTHER DEVELOP THE STUDENT'S SKILL WHICH WILL PREPARE THEM FOR ENTRY LEVEL JOBS IN THE WELDING INDUSTRY. THE STUDENTS WILL REVIEW ALL AREAS COVERED IN WELDING I AND WILL RECEIVE ADDITIONAL TRAINING IN GAS METALLIC ARC WELDING (MIG, GMAW), GAS TUNGSTEN ARC WELDING (TIG, GTAW), BRAZING, AND LAYOUT AND FIT UP. WHEN THE STUDENT HAS MASTERED THESE SKILLS, THE STUDENT WILL FABRICATE PROJECTS. FOR THE STUDENT WHO QUALIFIES, THERE IS A COOPERATIVE WORK PROGRAM AVAILABLE IN THE SECOND SEMESTER.

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**GRADE POINTS:**

GRADE POINTS ARE ASSIGNED TO EACH GRADE THAT A STUDENT EARNS BASED UPON AN 11.00 POINT SCALE. GRADE POINT VALUES ARE AS FOLLOWS:

A = 11	B+ = 9	C- = 6	D+ = 3	F = 0
A- = 10	B = 8	C = 5	D = 2	CR = 0
	B- = 7	C- = 4	D- = 1	

**G.P.A.:**

A STUDENTS GRADE POINT AVERAGE (GPA) IS COMPUTED BY DIVIDING THE TOTAL GRADE POINTS EARNED BY THE NUMBER OF COURSES COMPLETED.

**WEIGHTED COURSES:**

DUE TO THE EMPHASIS PLACED UPON CLASS RANK AND GRADE POINT AVERAGES BY COLLEGE ADMISSIONS AND SCHOLARSHIP AWARD PROCEDURES, THE MORE DIFFICULT COLLEGE PREPARATORY COURSES ARE ASSIGNED WEIGHTED VALUES (SEE CHART ON FOLLOWING PAGE).

**CLASS RANKS:**

RANK IS ASSIGNED ACCORDING TO EACH STUDENTS GRADE POINT AVERAGE.

**HONOR ROLL:**

STUDENTS WITH NO FAILING GRADES AND WHO HAVE A GRADE POINT AVERAGE OF EIGHT (8.00) QUALIFY FOR THE "B" OR REGULAR HONOR ROLL. STUDENTS WHO MEET THE ABOVE REQUIREMENTS WITH A GRADE POINT AVERAGE OF TEN (10.00) OR ABOVE QUALIFY FOR THE "A" OR HIGH HONOR ROLL.

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GRADE SCALE	PERCENTAGE	STANDARD GRADE POINT VALUE	COLLEGE PREP (CP) * G.P. VALUE	SENIOR LEVEL ** COLLEGE PREP (CP) G.P. VALUE
A	96-100 EXCELLENT	11	12	13
A-	92-95	10	11	12
B+	89-91	9	10	11
B	86-88 SUPERIOR	8	9	10
B-	83-85	7	8	9
C+	80-82	6	7	8
C	77-79 AVERAGE	5	6	7
C-	74-76	4	5	6
D+	71-73	3	4	5
D	68-70 INFERIOR	2	3	4
D-	65-67	1	2	3
F	0-64 FAILURE	0	0	0
<p>ALL WEIGHTED CLASSES SHALL:</p> <ul style="list-style-type: none"> <li>- HAVE COMPREHENSIVE FINALS EACH SEMESTER TAKEN BY EVERY STUDENT</li> <li>- THE FINAL WILL COUNT FOR NO LESS THAN 10% OF THE SEMESTER GRADE</li> <li>- REQUIRE THAT EACH STUDENT MUST COMPLETE A COURSE PROJECT OR EXTENSIVE RESEARCH PAPER WHICH IS TO BE GRADED BY THE TEACHER</li> </ul>		<p>ALL COURSES EXCEPT THOSE LISTED TO THE RIGHT</p>	<p>CP ENGLISH I,II,III ALGEBRA II COLLEGE ALGEBRA GEOMETRY PRE-CALCULUS TRIG(.5)/STATS(.5) CP PHYSICAL SCIENCE CP BIOLOGY CHEMISTRY ADV. CHEMISTRY (.5) PHYSIOLOGY &amp; ANATOMY CP AM. GOVT./PSYCH (.5) CP WORLD HISTORY CP AMERICAN HISTORY FOREIGN LANG. I,II,III</p>	<p>CP ENGLISH IV CALCULUS PHYSICS PHYSICS II ADV. BIOLOGY COMPARATIVE GOVT (.5) FOREIGN LANGUAGE IV</p>

\* CP CORE CURRICULUM; 1-8-1-8 COLLEGE COURSES; ADVANCED PLACEMENT; FOREIGN LANGUAGE I, II, III

\*\* SENIOR LEVEL CP CORE CURRICULUM; FOREIGN LANGUAGE IV