

SANDOVAL

HIGH

SCHOOL

**COURSE
CURRICULUM
GUIDE**

2012-2013

NONDISCRIMINATION

As provided by Title IX and Section 504 of the community federal guidelines for disabled students, Sandoval Community Unit School District 501 does not discriminate on the basis of race, color, national origin, gender, or disability in its courses, programs, extracurricular activities, or employment practices. Inquiries about compliance with the above guidelines may be directed to Mrs. Jennifer Garrison, Superintendent, Sandoval Community School District 501, 859 W. Missouri Ave., Sandoval, IL, 62882, (telephone: 618-247-3233), or to the Director of the Office for Civil Rights, Department of Health and Human Services, Washington, D. C., 20001.

Sandoval High School/Kaskaskia College Dual Credit Courses

Sandoval High School offers classes that will also qualify as credit from Kaskaskia College. These classes are:

*Anatomy and Physiology
Art Appreciation
Child Care Service Occupations I
Child Care Service Occupations II
Computer Concepts
English IV
Health Occupations Core of Skills
Information Processing IA and IB
Keyboarding and Formatting I
Orientation to Health Occupations*

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GRADUATION CHECKLIST FOR REQUIRED COURSES
(EACH SPACE DENOTES A SEMESTER)

NAME _____

- ___ ___ 110 English I
- ___ ___ 120 English II
- ___ ___ 130 English III
- ___ ___ 139 English 4 (not dual credit) or
- ___ ___ 140 English IV (dual credit)
- OR OTHER LANGUAGE ARTS*
- ___ ___ Mathematics (YEAR ONE)
- ___ ___ Mathematics (YEAR TWO)
- ___ ___ Mathematics (YEAR THREE)
- ___ ___ Science (YEAR ONE)
- ___ ___ Science (YEAR TWO)
- ___ Conservation
- ___ Resource Management
- ___ Government
- ___ (INCLUDES PASSING BOTH THE FEDERAL AND
- ___ ILLINOIS CONSTITUTION TESTS)
- ___ United States History
- ___ Social Studies
- ___ Driver's Education
- ___ Physical Education (YEAR ONE)
- ___ Physical Education (YEAR TWO)
- ___ Physical Education (YEAR THREE)
- ___ Physical Education (YEAR FOUR)
- ___ Health
- ___ Foreign Language/Fine Arts/Vocational
- ___ Keyboarding

*** PARTICIPATION IN THE PSAE EXAM IS A GRADUATION
REQUIREMENT IN THE STATE OF ILLINOIS.

SANDOVAL HIGH SCHOOL
POINTS TO REMEMBER
2012-2013

1. YOU MAY RECEIVE CREDIT FOR ANY COURSE (*EXCEPT PHYSICAL EDUCATION, BAND, CHORUS, AND AUTO SKILLS*) ONLY ONCE! IF YOU HAVE PASSED ANY COURSE HERE OR AT ANY OTHER SCHOOL, DO NOT RETAKE THAT COURSE!

(NOTE: IF YOU PASS GOVERNMENT, BUT NOT THE FEDERAL AND/OR STATE CONSTITUTION TESTS, YOU MUST TAKE *GOVERNMENT 246 FOR NO CREDIT* IN ORDER TO HAVE THE OPPORTUNITY TO ATTEMPT TO PASS THE CONSTITUTION TESTS.)

2. REQUIRED COURSES MUST BE PASSED TO GRADUATE. IF YOU DO NOT PASS A REQUIRED COURSE THE FIRST TIME YOU TAKE IT, YOU MUST RETAKE IT UNTIL YOU DO PASS.

3. TWENTY-THREE (23) CREDITS ARE REQUIRED TO GRADUATE. EACH ONE PERIOD COURSE PER SEMESTER EQUALS ONE-HALF (.5) CREDIT.

4. SOME COURSES REQUIRE PREREQUISITES. YOU MUST SUCCESSFULLY COMPLETE THESE PREREQUISITE COURSES BEFORE ENROLLING IN THE COURSE THAT FOLLOWS THEM.

5. THE FOLLOWING COURSES REQUIRE TWO CLASS PERIODS:
*CHILD CARE SERVICE OCCUPATIONS II
*HEALTH OCCUPATIONS CORE OF SKILLS

6. OKAW AREA VOCATIONAL CENTER CLASSES AND COLLEGE NOW CLASSES (INCLUDING TRANSPORTATION) OCCUPY FIVE PERIODS OF EACH SCHOOL DAY.

IT IS YOUR RESPONSIBILITY TO WORK WITH THE GUIDANCE COUNSELOR TO SEE THAT ALL GRADUATION REQUIREMENTS HAVE BEEN MET BY THE END OF YOUR SENIOR YEAR.

INDIVIDUAL PROPOSED CLASS SCHEDULE

Grade 9

1. English I
2. Science* _____
3. Math* _____
4. Social Studies* _____
5. P.E.
6. Keyboarding
7. _____

1. English I
2. Science* _____
3. Math* _____
4. Social Studies* _____
5. P.E.
6. _____
7. _____

Grade 10

1. English II
2. Science* _____
3. Math* _____
4. P.E.
5. Health
6. US History**
7. _____

1. English II
2. Science* _____
3. Math* _____
4. P.E.
5. _____
6. US History**
7. _____

Grade 11

1. English III
2. U.S. History**
3. Math* _____
4. P.E.
5. Government
6. Resource Management (Jr. or Sr. Year)
7. _____

1. English III
2. U.S. History**
3. Math* _____
4. P.E.
5. Conservation
6. _____
7. _____

Grade 12

1. P.E.
2. Resource Management (Jr. or Sr. Year)
3. Language Arts***
4. _____
5. _____
6. _____
7. _____

1. P.E.
2. Language Arts***
3. _____
4. _____
5. _____
6. _____
7. _____

Choose 7 courses each semester. (You may include an alternate.)

*Name a specific course-not just math, science, or social studies!

**United States History may be a grade 10 course choice if the student intends to attend OKAW or College Now during grade 11.

***Beginning with the 2008-09 freshman class, students are required to pass a credit each of English I, English II, and English III. The fourth credit may be in any course of study in the language arts area.

Two semesters of any combination of foreign language/fine arts/vocational classes are required to graduate.

Driver Education enrollment is appropriate when prerequisites are met.

SANDOVAL HIGH SCHOOL COURSE OFFERINGS 2012-2013 SCHOOL YEAR

	COURSE #
<u>ENGLISH</u>	
AUTOSKILLS READING	100
ENGLISH I	110
ENGLISH II	120
ENGLISH III	130
ENGLISH 4 (NOT DUAL CREDIT)	139
ENGLISH IV (DUAL CREDIT)	140
LITERATURE I	150
LITERATURE II	156
 <u>SOCIAL STUDIES</u>	
WORLD HISTORY	220
UNITED STATES HISTORY	230
GOVERNMENT	245
WORLD AND PEOPLE GEOGRAPHY	252
SOCIOLOGY	254
PSYCHOLOGY	260
 <u>FOREIGN LANGUAGE</u>	
SPANISH I	310
SPANISH II	320
 <u>MATHEMATICS</u>	
AUTOSKILLS MATH	400
APPLIED ALGEBRA	420
ALGEBRA I	440
GEOMETRY	450
ALGEBRA II	460
TRIGONOMETRY	465
PRE-CALCULUS	470
CALCULUS	480
 <u>SCIENCE</u>	
LAB SCIENCE	505
GENERAL SCIENCE	510
LIFE SCIENCE	512
GEOLOGY	514
BIOLOGY	520
CHEMISTRY I	530
CHEMISTRY II	532
CONSERVATION	536
ANATOMY AND PHYSIOLOGY	550
HORTICULTURE	555

HEALTH OCCUPATIONS

ORIENTATION TO HEALTH OCCUPATIONS	720
HEALTH OCCUPATIONS CORE OF SKILLS	730

BUSINESS

BUSINESS AND TECHNOLOGY CONCEPTS	610
KEYBOARDING AND FORMATTING I	620
COMPUTER CONCEPTS	632
INFORMATION PROCESSING IA AND IB	650

FAMILY AND CONSUMER SCIENCE

CLOTHING I	800
ORIENTATION TO FAMILY AND CONSUMER SCIENCE	810
FOOD AND NUTRITION	820
CHILD DEVELOPMENT	821
CHILD CARE SERVICE OCCUPATIONS	816
LIVING ENVIRONMENTS	822

MISCELLANEOUS

DRIVER EDUCATION	722
HEALTH	726
PHYSICAL EDUCATION	750
PHYSICAL EDUCATION (CONCURRENT WITH DRIVER EDUCATION)	760
RESOURCE MANAGEMENT	823
BAND	910
CHORUS	912
ART APPRECIATION	950
AUTO SKILLS MATH/READING	14000

OKAW AREA VOCATIONAL CENTER (VANDALIA)

AUTOMOTIVE BODY REPAIR I	1001
AUTOMOTIVE REPAIR II	1002
TRANSPORTATION I	1003
TRANSPORTATION II	1004
CONSTRUCTION I	1005
CONSTRUCTION II	1006
GRAPHIC COMMUNICATIONS	1007
GRAPHIC ARTS	1008
DRAFTING/CAD I	1009
DRAFTING/CAD II	1010
ELECTRONICS I	1011
ELECTRONICS II	1012
FOOD SERVICE OCC. I	1013
FOOD SERVICE OCC. II	1014
CRIMINAL JUSTICE AND CORRECTIONS	1015
MANUFACTURING I (MACHINE SHOP)	1016
MANUFACTURING II (MACHINE SHOP)	1017

MODEL OFFICE I	1018
MODEL OFFICE II	1019
AG. POWER MECHANICS I	1020
AG. POWER MECHANICS II	1021
MANUFACTURING I (WELDING)	1022
MANUFACTURING II (WELDING)	1023

COLLEGE NOW (KASKASKIA COLLEGE)

CULINARY ARTS	1011
CRIMINAL JUSTICE	1050
DRAFTING	3001
CARPENTRY	3002
AUTO COLLISION	3003
AUTO TECHNOLOGY	3004
WELDING	3005
COMPUTER NETWORK ADMINISTRATION	3006
HORTICULTURE	
PARAMEDICINE (1 SEMESTER)	

AUTOSKILLS READING (4001) GRADES 9-12 (01067A000)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT: 19

THIS IS AN INDEPENDENT STUDY COMPUTER-BASED PROGRAM TO ASSIST STUDENTS WITH SKILL MASTERY BASED ON THE FIVE CORE AREAS OF PHONEMIC AWARENESS, READING FLUENCY, COMPREHENSION, VOCABULARY DEVELOPMENT, AND PHONICS IDENTIFIED BY THE NATIONAL READING PANEL. THIS PROGRAM MEASURES PROCESSING SPEED, ACCURACY, AND PACE TO ENSURE THE AUTOMATICITY OF SUBSKILLS. SEQUENTIAL TUTORIAL-PRACTICE-TRAIN METHODOLOGY PROVIDES STRUCTURED LEARNING AND MULTIPLE OPPORTUNITIES FOR PRACTICE.

ENGLISH I (110) GRADE 9 (01001A000)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 20

MAXIMUM ENROLLMENT: 25

THIS COURSE IS DESIGNED TO DEVELOP PROFICIENCY IN READING, WRITING, SPEAKING, AND UNDERSTANDING MANY ELEMENTS OF LITERATURE. STUDENTS WILL STUDY NUMEROUS TYPES OF LITERATURE AND WILL ENGAGE IN MULTIPLE WRITING WORKSHOPS. GRAMMAR WILL FOCUS ON SUBJECT-VERB AGREEMENT, PARTS OF SPEECH, AND PUNCTUATION. LITERATURE PRESENTS SHORT STORIES, POETRY, AND DRAMA. STUDENTS WILL ALSO BE RESPONSIBLE FOR INDEPENDENTLY READING ONE BOOK PER QUARTER AND KEEPING A DUAL-ENTRY NOTEBOOK. STUDENTS WILL ENGAGE IN DAILY LANGUAGE ACTIVITIES TO BOOST THEIR VOCABULARY AND GRAMMAR SKILLS. A FOUR TO SIX PAGE RESEARCH PAPER IS ALSO REQUIRED.

ENGLISH II (120) GRADE 10 (01002A000)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ENGLISH I

PREFERRED ENROLLMENT: 20

MAXIMUM ENROLLMENT: 20

THIS COURSE IS DESIGNED TO BUILD UPON FUNDAMENTAL SKILLS LEARNED IN ENGLISH I BY FURTHER DEVELOPING PROFICIENCY IN READING, WRITING, SPEAKING, AND UNDERSTANDING MANY ELEMENTS OF LITERATURE. TYPES OF LITERATURE INCLUDE SHORT STORIES AND NOVELS, NONFICTION (ESSAYS, EDITORIALS, AND RESEARCH), POETRY, AND DRAMA. THIS COURSE IS ALSO DESIGNED TO ENHANCE CRITICAL THINKING AND ANALYSIS SKILLS. STUDENTS WILL STUDY NUMEROUS TYPES OF LITERATURE AND WILL ENGAGE IN MULTIPLE WRITING/SPEAKING WORKSHOPS. WRITING WILL INCLUDE NARRATIVE, EXPOSITORY, AND PERSUASIVE ESSAYS. STUDENTS WILL LISTEN TO, PREPARE, AND DELIVER SPEECHES. STUDENTS WILL BE RESPONSIBLE FOR INDEPENDENTLY READING ONE BOOK PER QUARTER AND KEEPING A DUAL-ENTRY JOURNAL. STUDENTS WILL ALSO TAKE PART IN DAILY LANGUAGE ACTIVITIES TO BOOST VOCABULARY AND GRAMMAR SKILLS.

ENGLISH III (130) GRADE 11 (01003A000)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ENGLISH I AND II
PREFERRED ENROLLMENT: 20
MAXIMUM ENROLLMENT: 25

ENGLISH III IS A REQUIRED ONE-YEAR COURSE FOR ALL STUDENTS WHO HAVE COMPLETED ENGLISH I AND II SUCCESSFULLY AND HAVE ATTAINED JUNIOR STATUS. THIS COURSE INCLUDES A CONCENTRATION IN COMPOSITION AND AMERICAN LITERATURE. STUDENTS IN ENGLISH III WILL STUDY PROPER GRAMMAR USAGE IN THE CONTEXT OF FORMAL WRITTEN COMMUNICATION, SENTENCE AND PARAGRAPH STRUCTURING, PERSUASIVE, DESCRIPTIVE, COMPARATIVE/CONTRASTING, AND EXPOSITORY ESSAYS AND WRITTEN SUPPORT OF A THESIS. IN ADDITION, A FORMAL RESEARCH PAPER WILL BE COMPLETED DURING THE FIRST SEMESTER. THIS REPORT WILL BE COMPOSED ACCORDING TO ESTABLISHED GUIDELINES AND STYLES FOR UPPER-LEVEL HIGH SCHOOL AND COLLEGE COURSE WORK AND IS DESIGNED TO PREPARE THE STUDENTS FOR CONTINUED EDUCATION OR WORKPLACE EXPERIENCES. IN ADDITION TO COMPOSITION, THE CLASS WILL ALSO INCLUDE THE STUDY OF VARIOUS PIECES OF AMERICAN LITERATURE COVERING SEVERAL VARYING CULTURAL PERIODS AND SOCIETIES. BOTH FIRST AND SECOND SEMESTER EXAMS WILL INCLUDE A COMPREHENSIVE TEST OVER THE LITERATURE SELECTIONS OF THE SEMESTER AND AN EXERCISE IN COMPOSITION. STUDENTS WILL ALSO BE RESPONSIBLE FOR INDEPENDENTLY READING A BOOK AND KEEPING A DUAL-ENTRY JOURNAL FOR EACH QUARTER.

ENGLISH 4 (SHS 139) GRADE 12 (**NOT** DUAL CREDIT)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ENGLISH I, II, AND III
PREFERRED ENROLLMENT: _____
MAXIMUM ENROLLMENT: _____

TRADITIONALLY ENGLISH IV IS A COMBINATION OF BRITISH LITERATURE AND WORLD LITERATURE AND COMPOSITION. STUDENTS WILL STUDY A SELECTION OF LITERATURE BEGINNING WITH THE ANGLO-SAXON PERIOD THROUGH THE ROMANTIC PERIOD. THIS STUDY WILL FAMILIARIZE THE STUDENTS WITH THOSE WORKS WHICH ARE CONSIDERED TO BE REPRESENTATIONAL OF THE CULTURE. STUDENTS WILL ALSO COMPLETE COMPOSITIONS INCLUDING CHARACTER ANALYSIS, ARGUMENT, COMPARISON AND CONTRAST, AND THE USE OF MEDIA AS LITERATURE.

ENGLISH IV (SHS 140/KC 101) GRADE 12 (SEMESTER ONE) (DUAL CREDIT)
½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: *ACT ENGLISH SCORE OF 18 OR
HIGHER **OR**
*COMPASS TEST SCORE OF 70

PREFERRED ENROLLMENT: 12

MAXIMUM ENROLLMENT: 18

THIS IS A DUAL CREDIT COURSE EMPHASIZING ESSAYS INCLUDING ARGUMENT, LITERARY, REFLECTIVE, ANALYSIS AND INDEPENDENT THINKING SKILLS. GRAMMAR SKILLS NECESSARY FOR COLLEGE COURSE WORK ARE ESSENTIAL.

SUCCESSFUL COMPLETION OF THIS COURSE (INCLUDING ESSAYS TOTALING MORE THAN 5000 WORDS FOR THE SEMESTER) MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL /KASKASKIA COLLEGE DUAL CREDIT. (ENGL 101 ENGLISH COMPOSITION)

ENGLISH IV (SHS 140/KC 102) GRADE 12 (SEMESTER TWO) (DUAL CREDIT)
½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: *ACT ENGLISH SCORE OF 18 OR
HIGHER **OR**
*COMPASS TEST SCORE OF 70

PREFERRED ENROLLMENT: 12

MAXIMUM ENROLLMENT: 18

THIS IS A DUAL CREDIT COURSE EMPHASIZING RESEARCH AND ANALYSIS SKILLS. FIFTY PERCENT OF THE SEMESTER GRADE WILL BE A RESEARCH PAPER WITH THE REMAINING FIFTY PERCENT INCLUDING A LITERARY ANALYSIS. GRAMMAR SKILLS NECESSARY FOR COLLEGE COURSE WORK ARE ESSENTIAL. EACH PAPER WILL TOTAL 4000-5000 WORDS EACH.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (ENGL 102 ENGLISH COMPOSITION)

LITERATURE I (SHAKESPEARE/MODERN LIT)—PART A (150) (01053A000)
GRADES 10, 11, 12
½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: ENGLISH I

PREFERRED ENROLLMENT: 15

MAXIMUM ENROLLMENT: 20

THIS IS A ONE-SEMESTER COURSE DESIGNED FOR MOTIVATED STUDENTS WHICH WILL COVER MODERN LITERATURE, A NOVEL, THE PLACE OF DRAMA IN LITERATURE, AND LIFE AND WORKS OF WILLIAM SHAKESPEARE AS WELL AS ONE OF HIS DRAMAS. THE COURSE WILL ALSO CONCENTRATE ON READING COMPREHENSION, COMPARISON AND CONTRAST, AND THEMES IN LITERATURE.

LITERATURE II (SHAKESPEARE/MODERN LIT—PART B (156) (01060A000)

GRADES 10, 11, 12

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: ENGLISH I
PREFERRED ENROLLMENT: 15
MAXIMUM ENROLLMENT: 20

LITERATURE II IS SIMILAR TO LITERATURE I BUT IS INDEPENDENT OF IT AND DOES NOT REQUIRE IT AS A PREREQUISITE. LITERATURE II WILL INVESTIGATE WORLD LITERATURE, GREEK MYTHOLOGY, A SHAKESPEAREAN DRAMA, AND A NOVEL. THIS COURSE WILL ALSO CONCENTRATE ON READING COMPREHENSION, COMPARISON AND CONTRAST, AND THEMES IN LITERATURE.

WORLD HISTORY (220) GRADES 9, 10, 11, 12 (04051A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
PREFERRED ENROLLMENT:
MAXIMUM ENROLLMENT:

THIS CLASS WILL COVER A BRIEF OVERVIEW OF WORLD EVENTS FROM PRIMITIVE CULTURES TO THE TECHNOLOGICAL EVENTS OF THE TWENTIETH CENTURY. ONE BOOK REPORT PER SEMESTER IS REQUIRED AS WELL AS ONE LONG-TERM PROJECT PER SEMESTER. ENROLLMENT IN SEMESTER ONE IS NOT A REQUIREMENT FOR ENROLLMENT IN SEMESTER TWO.

UNITED STATES HISTORY (230) GRADE 11 (OR GRADE 10 IF STUDENT INTENDS TO ATTEND OKAW OR COLLEGE NOW DURING GRADE 11) (04101A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 20-25
MAXIMUM ENROLLMENT: 30

THIS CLASS IS A STUDY OF THE COLONIZATION OF AMERICA, OUR QUEST FOR INDEPENDENCE, THE STUMBLES OUR COUNTRY HAS MADE, AND THE EMERGENCE OF OUR COUNTRY ONTO THE WORLD STAGE. THIS INCLUDES A THOROUGH STUDY OF DOMESTIC AND FOREIGN POLICY OF THE ENGLISH COLONIES AND THE TRANSFORMATION FROM COLONIES TO STATES IN AMERICA. THE AMERICAN STORY OF THE MANIFEST DESTINY AND ITS JOYS, AS WELL AS HEARTACHES, WILL UNFOLD IN THIS STORY OF THE UNITED STATES.

SOCIOLOGY (254) GRADES 11, 12 (04258A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 12-18
MAXIMUM ENROLLMENT: 20

THIS COURSE IS A GENERAL VIEW OF SOCIAL INSTITUTIONS, SOCIALIZATION OF THE INDIVIDUAL, SOCIAL PROBLEMS, THE CHANGES THAT EVOLVE WITH TIME, AND THE FACTORS THAT AFFECT INDIVIDUAL, FAMILY, AND COMMUNITY GROWTH.

GOVERNMENT (245) GRADE 11 (04151A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT:
MAXIMUM ENROLLMENT:

THIS CLASS WILL COVER THE BASIC STRUCTURE OF DEMOCRACY AND FEDERALISM AS WELL AS A BRIEF HISTORY. THE THREE PARTS OF GOVERNMENT ARE EXPLORED IN-DEPTH AT THE FEDERAL AND STATE LEVELS. TWO MAJOR EXAMS ARE GIVEN DURING THE SEMESTER TO FULFILL THE REQUIREMENTS OF THE FEDERAL AND STATE CONSTITUTIONS.

WORLD AND PEOPLE GEOGRAPHY (252) GRADES 9-12 (04001A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 15-20
MAXIMUM ENROLLMENT: 25

GEOGRAPHY IS A SEMESTER COURSE IN WHICH STUDENTS STUDY THE VARIED CULTURES OF THE SEVEN CONTINENTS. WE EMPHASIZE THE PHYSICAL PART OF GEOGRAPHY SUCH AS LEARNING COUNTRIES, LANDFORMS, WATER FEATURES, MAJOR CITIES, ETC. EXTENSIVE MAP WORK IS REQUIRED.

PSYCHOLOGY (260) GRADES 11-12 (04254A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 12-18
MAXIMUM ENROLLMENT: 20

THIS COURSE IS A GENERAL VIEW OF APPROACHES TO PSYCHOLOGY, THE LIFE SPAN, THE WORKINGS OF MIND AND BODY, LEARNING AND COGNITIVE PROCESSES, PERSONALITY AND INDIVIDUALITY, ADJUSTMENT AND BREAKDOWN, AND SOCIAL PSYCHOLOGY.

SPANISH I (310) GRADES 9, 10, 11, 12 (06101A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT:

ELEMENTARY SPANISH STRESSES GRAMMAR, PRONUNCIATION, READING OF MODERN PROSE, COMPOSITION, AND CONVERSATION. STUDENTS LEARN THE BASIC SKILLS OF READING, WRITING, LISTENING TO, AND SPEAKING SPANISH.

A GRADE OF B- OR ABOVE IN ENGLISH IS HIGHLY RECOMMENDED. HOWEVER, THOSE WITH LOWER AVERAGES MAY ENROLL WITH THE CONSENT OF THE INSTRUCTOR.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT.

SPANISH II (320) GRADES 10, 11, 12 (06102A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: SPANISH I

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT:

THIS COURSE IS A CONTINUATION OF SPANISH I WITH MORE PRACTICE IN COMPOSITION AND CONVERSATION. EMPHASIS IS PLACED UPON ORAL PRACTICE FOR THE DEVELOPMENT OF ELEMENTARY CONVERSATIONAL SKILL AND THE IMPROVEMENT OF PRONUNCIATION.

SUCCESSFUL COMPLETION OF SPANISH II MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT.

AUTOSKILLS MATH (400) GRADES 9-12 (02002A000)

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT: 19

THIS IS AN INDEPENDENT STUDY COMPUTER-BASED PROGRAM WHICH ALLOWS STUDENTS TO DRAW ON MASTERY OF CONCEPTS (TERMS) TO ANSWER OPERATIONS QUESTIONS (OPERATIONS), THEN COMBINE THEIR KNOWLEDGE OF CONCEPTS AND OPERATIONS TO SOLVE HIGH ORDER PROBLEMS (WORD PROBLEMS). THIS PROGRAM BUILDS COMPUTATIONAL FLUENCY THROUGH MASTERY IN THREE AREAS: MEANING OF OPERATIONS AND THEIR RELATIONSHIPS TO EACH OTHER; KNOWLEDGE OF A LARGE REPERTOIRE OF NUMBER RELATIONSHIPS; AND THOROUGH UNDERSTANDING OF THE BASE 10 NUMBER SYSTEM. SEQUENTIAL TUTORIAL-PRACTICE-TRAIN METHODOLOGY PROVIDES STRUCTURED LEARNING AND MULTIPLE OPPORTUNITIES FOR PRACTICE.

APPLIED ALGEBRA (420) GRADES 9-12

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
REFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 20

TOPICS COVERED INCLUDE ALGEBRAIC EXPRESSIONS AND EQUATIONS, RATIONAL NUMBERS, LINEAR EQUATIONS AND INEQUALITIES, POLYNOMIALS, RADICAL EXPRESSIONS, SOLVING SYSTEMS OF EQUATIONS AND INEQUALITIES IN TWO VARIABLES, AND QUADRATIC AND EXPONENTIAL FUNCTIONS. COURSE WILL BE GEARED TOWARD REAL-LIFE APPLICATIONS.

ALGEBRA I (440) GRADES 8, 9, 10 (02052A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: GRADE 8: TEST SCORES AND RECOMMENDATION OF GRADE 7 MATH TEACHER
GRADE 9: TEST SCORES
GRADE 10: PRE-ALGEBRA
PREFERRED ENROLLMENT: 15
MAXIMUM ENROLLMENT: 25

TOPICS COVERED INCLUDE ALGEBRAIC EXPRESSIONS AND EQUATIONS, RATIONAL NUMBERS, LINEAR EQUATIONS AND INEQUALITIES, POLYNOMIALS, RADICAL EXPRESSIONS, SOLVING SYSTEMS OF EQUATIONS AND INEQUALITIES IN TWO VARIABLES, AND QUADRATIC AND EXPONENTIAL FUNCTIONS. GEOMETRY CONTENT WILL BE INCLUDED.

GEOMETRY (450) GRADES 10, 11, 12 (02072A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ALGEBRA I
PREFERRED ENROLLMENT: 15
MAXIMUM ENROLLMENT: 24

COVERAGE BEGINS WITH THE LANGUAGE OF GEOMETRY FOLLOWED BY CHAPTERS ON REASONING AND PROOF, PARALLEL AND PERPENDICULAR LINES, CONGRUENT TRIANGLES, QUADRILATERALS, PROPORTION, SIMILARITY, RIGHT TRIANGLE TRIGONOMETRY, CIRCLES, POLYGONS, AREA, SURFACE AREA AND VOLUME.

NOTE: MOTIVATED STUDENTS MAY ENROLL IN ALGEBRA II AND GEOMETRY CONCURRENTLY IN ORDER TO ENROLL IN CALCULUS THEIR SENIOR YEAR.

ALGEBRA II (460) GRADES 10, 11, 12 (02056A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ALGEBRA I
PREFERRED ENROLLMENT: 10
MAXIMUM ENROLLMENT: 15

COVERAGE BEGINS WITH EQUATIONS, INEQUALITIES AND SYSTEMS, MATRICES, POLYNOMIALS AND RADICAL EXPRESSIONS. IT THEN MOVES TO QUADRATIC FUNCTIONS, CONIC SECTIONS, POLYNOMIAL FUNCTIONS, RATIONAL EXPRESSIONS, EXPONENTIAL AND LOGARITHMIC FUNCTIONS, AND TOPICS FROM DISCRETE MATH AND PROBABILITY.

NOTE: MOTIVATED STUDENTS MAY ENROLL IN ALGEBRA II AND GEOMETRY CONCURRENTLY.

TRIGONOMETRY (465) GRADES 11,12

½ UNIT OF CREDIT (ONE SEMESTER—FIRST SEMESTER ONLY)

PREREQUISITES: ALGEBRA I
ALGEBRA II
GEOMETRY
PREFERRED ENROLLMENT: 10
MAXIMUM ENROLLMENT: 20

COVERAGE BEGINS WITH THE TRIGONOMETRIC FUNCTIONS AND SOLUTIONS OF TRIANGLES, FOLLOWED BY RADIAN MEASURE. NEXT ARE ANALYTIC TRIGONOMETRY, IDENTITIES, EQUATIONS, INEQUALITIES, AND COMPOSITE ANGLE IDENTITIES. FOLLOWING THIS ARE THE INVERSE TRIGONOMETRIC FUNCTIONS, COMPLEX NUMBERS, POLAR EQUATIONS, AND LOGARITHMS.

PRE-CALCULUS (470) GRADES 11, 12 (02110A000)

½ UNIT OF CREDIT (ONE SEMESTER—SECOND SEMESTER ONLY)

PREREQUISITES: ALGEBRA I
ALGEBRA II
GEOMETRY
TRIGONOMETRY
PREFERRED ENROLLMENT: 10
MAXIMUM ENROLLMENT: 15

WE BEGIN WITH POLYNOMIALS AND RATIONAL FUNCTIONS, INVERSE FUNCTIONS, AND TRANSFORMATIONS OF FUNCTIONS. THEN WE WILL EXPLORE THE CONCEPT OF LIMIT INCLUDING COMPUTATION OF LIMITS, CONTINUITY AND LIMITS INVOLVING INFINITY, TANGENT LINES AND THE LENGTH OF A CURVE.

CALCULUS (480) GRADE 12 (02121A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ALGEBRA I
ALGEBRA II
GEOMETRY
TRIGONOMETRY
PRE-CALCULUS

PREFERRED ENROLLMENT: 10
MAXIMUM ENROLLMENT: 15

FOLLOWING A COLLEGE CALCULUS CURRICULUM, WE WILL BEGIN WITH DIFFERENTIATION, INTEGRATION, AND LOGARITHMIC AND EXPONENTIAL FUNCTIONS. NEXT, WE CONQUER INFINITE SERIES, CONIC SECTIONS, POLAR COORDINATES, AND VECTORS.

NOTE: EITHER ALGEBRA I MUST BE TAKEN IN GRADE 8 OR CONCURRENT ENROLLMENT IN ALGEBRA II AND GEOMETRY AS A SOPHOMORE IS A PREREQUISITE TO ENROLL IN CALCULUS AS A SENIOR.

GENERAL SCIENCE (510) GRADE 9 (03159A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THIS COURSE INTRODUCES CHEMISTRY, PHYSICS, AND ASTRONOMY. AFTER COMPLETING THIS COURSE, STUDENTS SHOULD HAVE A BETTER UNDERSTANDING OF ATOMS, ELEMENTS, CHEMICALS, MOTION, FORCES, ENERGY, THE UNIVERSE, AND MORE. THIS COURSE IS DESIGNED TO BE A FIRST STEP FOR NON-COLLEGE BOUND STUDENTS TO COMPLETE THE SANDOVAL HIGH SCHOOL SCIENCE REQUIREMENT.

LIFE SCIENCE (512) GRADES 9, 10 (03999A000)

1/2 UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THIS COURSE IS AN INTRODUCTION TO MANY ASPECTS OF LIVING ORGANISMS. CELL STRUCTURE AND FUNCTION, GENETICS, EVOLUTION, AND CLASSIFICATION WILL BE SOME OF THE TOPICS FOR DISCUSSION. MICROSCOPIC EXAMINATION AND OTHER LAB TECHNIQUES WILL BE USED THROUGHOUT THIS COURSE. THIS COURSE IS DESIGNED TO BE A STEP FOR NON-COLLEGE BOUND STUDENTS TO COMPLETE THE SANDOVAL HIGH SCHOOL REQUIREMENT.

GEOLOGY (514) GRADE 9 (03002A000)
½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES:
PREFERRED ENROLLMENT:
MAXIMUM ENROLLMENT:

THIS IS A ONE SEMESTER LAB SCIENCE COURSE DESIGNED TO GIVE THE STUDENT AN OVERVIEW OF EARTH'S HISTORY AND STRUCTURE. TOPICS COVERED IN THIS CLASS WILL INCLUDE CREATING AND READING SCIENTIFIC MAPS, CHARTS, AND GRAPHS; ROCKS, MINERALS, AND SOIL AND THEIR IMPORTANCE TO HUMANS; PLATE TECTONIC ACTIVITY INCLUDING EARTHQUAKES, VOLCANOES AND MOUNTAIN BUILDING; CHANGING LANDSCAPES THROUGH WEATHERING AND EROSION; THE HUMAN IMPORTANCE OF WATER SOURCES ON LAND AND UNDERGROUND; EARTH'S OCEANS; AND HOW THE FOSSIL RECORD REVEALS EARTH'S GEOLOGIC TIME SCALE.

LAB SCIENCE (505) GRADE 10

PREREQUISITES:
PREFERRED ENROLLMENT:
MAXIMUM ENROLLMENT:

THIS IS A ONE SEMESTER LAB SCIENCE COURSE DESIGNED TO INTRODUCE STUDENTS TO BASIC LABORATORY TECHNIQUES AND SCIENCE CONCEPTS. FORENSIC SCIENCE CASE STUDIES AND LAB APPLICATIONS WILL BE USED TO EXPOSE STUDENTS TO VARIOUS CONCEPTS IN LIFE SCIENCE, CHEMISTRY, PHYSICS, AND EARTH SCIENCE. BASIC LAB SKILLS SUCH AS USING A MICROSCOPE, MEASURING, COMPARING, INQUIRY, INFERRING, AND PROBLEM SOLVING WILL BE STRESSED. BY ANALYZING SAMPLE CRIME SCENES AND SITUATIONS, STUDENTS WILL STUDY CONCEPTS SUCH AS HAIR AND FIBER ANALYSIS, FINGERPRINTS, DNA, BLOOD, IMPRESSIONS SUCH AS TOOLMARKS AND TIRE TRACKS, SOIL, GLASS, HANDWRITING AND QUESTIONED DOCUMENTS.

BIOLOGY (520) GRADE 9 (03051A000)
ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 18

THIS COURSE COVERS MANY ASPECTS OF LIVING ORGANISMS. CELL PROCESSES, GENETICS, AND EVOLUTIONARY THEORY WILL LEAD INTO A MORE DETAILED STUDY OF THE STRUCTURE AND FUNCTION OF PRIMITIVE AND COMPLEX PLANTS AND ANIMALS. DISSECTION, MICROSCOPIC EXAMINATION, AND OTHER LAB TECHNIQUES WILL BE USED THROUGHOUT THE COURSE. ANY STUDENT INTERESTED IN LIFE OR HEALTH SCIENCES SHOULD TAKE THIS COURSE.

CHEMISTRY I (530) GRADES 10, 11, 12 (03101A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ALGEBRA I
PREFERRED ENROLLMENT: 12-16
MAXIMUM ENROLLMENT: 16

CHEMISTRY IS A BRANCH OF THE PHYSICAL SCIENCES CONCERNED WITH THE STUDY OF THE COMPOSITION OF MATTER AND ITS INTERREACTIONS. THE COURSE INCLUDES A STUDY OF ATOMIC THEORY, KINETIC THEORY, MOLE CONCEPT, PERIODIC TABLE, FORMULA, EQUATIONS, STOICHIOMETRY, NOMENCLATURE, ACID-BASE THEORY, ORGANIC CHEMISTRY, AND CHEMICAL FAMILIES. THE STUDENT SHOULD HAVE HAD A "B" AVERAGE IN ALGEBRA I.

CHEMISTRY II (532) GRADES 11, 12 (03102A000)

(OFFERED ON ALTERNATE YEARS WITH PHYSICS, CHEMISTRY II WILL BE OFFERED DURING 2012-2013)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: CHEMISTRY I
ALGEBRA II
PREFERRED ENROLLMENT: 12-16
MAXIMUM ENROLLMENT: 16

CHEMISTRY II IS A CONTINUATION OF CHEMISTRY I. TOPICS COVERED INCLUDE THE CHEMICAL BOND, CHEMISTRY OF SOLIDS AND LIQUIDS, CRYSTALS, THERMOCHEMISTRY, SOLUTIONS, ACIDS AND BASES, REACTION KINETICS, ANALYTICAL CHEMISTRY, POLYMERS, NUCLEAR CHEMISTRY AND GEO-CHEMISTRY. THE STUDENT SHOULD HAVE HAD A "B" AVERAGE IN CHEMISTRY I AND ALGEBRA II.

CONSERVATION (ECOLOGY) (536) GRADE 11 (03003A000)

ONE-HALF UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 20
MAXIMUM ENROLLMENT: 25

THIS COURSE IS A REQUIREMENT FOR GRADUATION. AS THE HUMAN POPULATION CONTINUES TO INCREASE, SO DOES ITS NEED FOR NATURAL RESOURCES SUCH AS SOIL, WATER, TIMBER, AND FUELS FOR ENERGY. HOWEVER, AS A PART OF A RESPONSIBILITY FOR FUTURE GENERATIONS, WE MUST BOTH CONSERVE OUR NATURAL RESOURCES AND REDUCE POLLUTION OF THE ENVIRONMENT. THIS CLASS WILL TEACH THE IMPACT HUMAN SOCIETY HAS ON SUCH NATURAL RESOURCES AS WILDLIFE, WATER, FOSSIL FUELS, AND MINERALS. THE STUDENT WILL ALSO SEE THE EFFORT PEOPLE ARE MAKING TO CONSERVE THESE VALUABLE RESOURCES.

PHYSICS (545) GRADES 11, 12 (03151A000)
(OFFERED ON ALTERNATE YEARS WITH CHEMISTRY II, PHYSICS WILL BE OFFERED DURING 2013-2014)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: GENERAL SCIENCE
AND EITHER
GEOMETRY OR ALGEBRA II

PREFERRED ENROLLMENT: 12-16

MAXIMUM ENROLLMENT: 16

PHYSICS IS A BRANCH OF THE PHYSICAL SCIENCES. THE STUDY WILL INCLUDE MATTER, KINETIC THEORY, VELOCITY, NEWTON'S LAWS OF MOTION, FORCES, MACHINES, WORK, ENERGY, ELECTRICITY, MAGNETISM, GAS LAWS, RADIOACTIVITY, AND STATES OF MATTER. THE STUDENT SHOULD HAVE HAD A "B" AVERAGE IN PREVIOUS SCIENCE AND MATH COURSEWORK.

ANATOMY AND PHYSIOLOGY (BIOLOGY II) (550) GRADES 11, 12 (03053A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: BIOLOGY I

PREFERRED ENROLLMENT: 20

MAXIMUM ENROLLMENT: 25

THIS COURSE IS AN IN-DEPTH EXPLORATION OF THE STRUCTURE AND FUNCTION OF ALL HUMAN BODY SYSTEMS. LAB STUDY WILL USE INTERACTIVE MODELS AND DISSECTION TECHNIQUES WHENEVER POSSIBLE. THIS COURSE IS RECOMMENDED FOR THOSE STUDENTS ENROLLED IN HEALTH OCCUPATIONS CORE OF SKILLS.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (BIOL 121 ANATOMY & PHYSIOLOGY)

HORTICULTURE (555) GRADES 9-10

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 16

MAXIMUM ENROLLMENT: 16

AN INTRODUCTION TO THE PRINCIPLES AND PRACTICES IN THE DEVELOPMENT, PRODUCTION, AND USE OF HORTICULTURE CROPS (FRUITS, VEGETABLES, GREENHOUSE, TURF, NURSERY, FLORAL AND LANDSCAPE), THIS CLASS INCLUDES THE CLASSIFICATION, STRUCTURE, GROWTH AND DEVELOPMENT, AND ENVIRONMENTAL INFLUENCES ON HORTICULTURE PLANTS, HORTICULTURAL TECHNOLOGY, AND AN INTRODUCTION TO THE HORTICULTURE INDUSTRIES.

ORIENTATION TO HEALTH OCCUPATIONS (720) (14001A001)

GRADE 11

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: 2.0 CUMULATIVE GRADE POINT AVERAGE

PREFERRED ENROLLMENT: 12

MAXIMUM ENROLLMENT: SEE INSTRUCTOR

THIS COURSE IS DESIGNED TO INTRODUCE THE STUDENT TO THE LANGUAGE OF MEDICAL TERMINOLOGY, INCLUDING ROOT WORDS, PREFIXES, AND SUFFIXES USEFUL FOR QUICK COMMUNICATION IN THE HEALTH CARE SETTING. MEDICAL TERMS ARE RELATED TO RADIOLOGY, LABORATORY, SURGERY, AND THE NURSING PROFESSIONS. STUDENTS WILL BE EXPOSED TO VARIOUS HEALTH RELATED CAREERS, THE HISTORY OF HEALTH CARE, ETHICAL AND LEGAL ROLES, THE BODY SYSTEMS WITH EMPHASIS ON THE SKELETAL SYSTEM, NUTRITION, VITAL SIGNS, FIRST AID, RESUMES AND PORTFOLIOS. STUDENTS WILL ALSO BE CERTIFIED IN BOTH CPR AND AED USE FOR THE INFANT, CHILD, AND ADULT.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (ONE CREDIT HOUR AT KASKASKIA COLLEGE FOR MEDICAL TERMINOLOGY) (MEDT 104 MEDICAL TERMINOLOGY)

HEALTH OCCUPATIONS CORE OF SKILLS (730) GRADE 12 (14051A001)
TWO UNITS OF CREDIT (TWO SEMESTERS—TWO PERIODS PER DAY)

PREREQUISITES: *ORIENTATION TO HEALTH OCCUPATIONS
*2.0 CUMULATIVE GRADE POINT AVERAGE
*ACT READING SCORE OF 14 **OR**
*COMPASS READING SCORE OF 61

PREFERRED ENROLLMENT: 10
MAXIMUM ENROLLMENT: SEE INSTRUCTOR

THIS COURSE INCLUDES CLASSROOM, LABORATORY, AND CLINICAL EXPERIENCES. BASIC NURSE ASSISTING SKILLS WILL BE TAUGHT. EXPERIENCE IN NURSING HOMES AND HOSPITAL HEALTH CARE WILL BE PROVIDED TO THE STUDENT UNDER THE DIRECT SUPERVISION OF THE HEALTH OCCUPATIONS INSTRUCTOR. (CLINICAL EXPERIENCE IN OTHER HEALTH PROFESSIONS WILL BE PROVIDED FOR STUDENTS PURSUING A HEALTH CAREER OTHER THAN NURSING IF AND WHEN POSSIBLE).

UNITS OF STUDY WILL INCLUDE:

- *BASIC ANATOMY AND PHYSIOLOGY IN RELATION TO HUMAN DISEASES*
- *HEALTH CARE SYSTEMS AND RESOURCES*
- *LEGAL AND ETHICAL ASPECTS*
- *FUNCTIONING AS A TEAM MEMBER*
- *COMMUNICATIONS*
- *PROVIDING PERSONAL CARE*
- *PROVIDING PSYCHO-SOCIAL CARE*
- *NUTRITION*
- *THE AGING PROCESS*
- *DEATH AND DYING*
- *ABUSE—CHILD, SPOUSE, ELDERLY*
- *PROBLEM SOLVING*
- *COMPUTER LITERACY*
- *APPLIED MATH*

STUDENT PERFORMANCE WILL BE LEARNED AND PRACTICED IN THE CLASSROOM, THE LABORATORY, AND AT CLINICAL SITES CLOSELY SUPERVISED BY AN APPROVED HEALTH OCCUPATIONS TEACHER IN AN APPROVED CLINICAL SETTING. CLINICAL EXPERIENCES WILL BE REGULATED BY A WRITTEN AGREEMENT BETWEEN THE EDUCATIONAL FACILITY AND THE HEALTH CARE PROVIDERS EXPLAINING THE RESPONSIBILITY OF EACH AGENCY.

THIS PROGRAM ALSO PREPARES THE STUDENT TO TAKE THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH CERTIFIED NURSE ASSISTANT EXAM (ASSUMING THE STUDENT HAS A MINIMUM LETTER GRADE OF C.) EACH STUDENT WILL BE REQUIRED TO UNDERGO A FINGERPRINT BACKGROUND CHECK APPROVED BY AN IDPH APPROVED VENDOR.

CPR CERTIFICATION WILL ALSO BE OBTAINED DURING THE COURSE OF THIS CLASS.

STUDENTS ARE RESPONSIBLE FOR COVERING ANY COSTS RELATED TO THE COURSE INCLUDING, BUT NOT LIMITED TO, TB TESTS, BACKGROUND CHECKS, NAME BADGE, UNIFORM, AND STATE TESTING FEE.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (NAST 160 NURSE ASSISTANT)

BUSINESS AND TECHNOLOGY CONCEPTS (610) GRADES 9-10 (12002A001)
ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 24
MAXIMUM ENROLLMENT: 24

THE FIRST SEMESTER OF THIS COURSE WILL PROVIDE AN OVERVIEW OF ALL ASPECTS OF BUSINESS MARKETING AND MANAGEMENT, INCLUDING THE CONCEPTS, FUNCTIONS, AND SKILLS REQUIRED FOR MEETING THE CHALLENGES OF OPERATING A BUSINESS IN A GLOBAL ECONOMY. TOPICS COVERED WILL INCLUDE THE VARIOUS FORMS OF PERSONAL FINANCE AS WELL AS BUSINESS OWNERSHIP, AND ENTREPRENEURSHIP. ALSO COVERED ARE THE BASIC FUNCTIONAL AREAS OF BUSINESS (FINANCE, MANAGEMENT, MARKETING, ADMINISTRATION, AND PRODUCTION).

THE SECOND SEMESTER OF THIS COURSE WILL PROVIDE MORE IN-DEPTH STUDY OF ALL ASPECTS OF BUSINESS MARKETING AND MANAGEMENT.

STUDENTS WILL BE INTRODUCED TO A WIDE RANGE OF CAREERS IN FIELDS SUCH AS ACCOUNTING, FINANCIAL SERVICES, INFORMATION TECHNOLOGY, MARKETING, AND MANAGEMENT. EMPHASIS WILL BE PLACED ON USING THE COMPUTER WHILE STUDYING APPLICATIONS IN THESE CAREERS ALONG WITH COMMUNICATION SKILLS (THINKING, LISTENING, COMPOSING, REVISING, EDITING, AND SPEAKING), MATH AND PROBLEM-SOLVING. BUSINESS ETHICS AS WELL AS OTHER WORKPLACE SKILLS WILL BE TAUGHT AND INTEGRATED WITHIN THIS COURSE.

THIS TWO SEMESTER COURSE WILL EXPOSE STUDENTS TO ONLY THE BASIC CONCEPTS OF BUSINESS TECHNOLOGY.

KEYBOARDING AND FORMATTING I (620) (12005A001)
GRADES 9-12

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 19
MAXIMUM ENROLLMENT: 19

KEYBOARDING AND FORMATTING I IS DESIGNED TO DEVELOP BASIC SKILLS IN TOUCH KEYBOARDING TECHNIQUES FOR ENTERING ALPHABETIC, NUMERIC, AND SYMBOL INFORMATION FOUND ON COMPUTERS AND TERMINALS. STUDENTS WILL LEARN TO EDIT AND FORMAT TEXT AND PARAGRAPHS, CHANGE FONTS, WORK WITH HEADERS AND FOOTERS, CUT AND PASTE TEXT, CREATE AND USE TABS KEYS, CREATE LABELS, AND WORK WITH MULTIPLE WINDOWS. STUDENTS WILL FORMAT DOCUMENTS SUCH AS LETTERS, ENVELOPES, MEMORANDUMS, REPORTS, AND TABLES FOR PERSONAL, EDUCATIONAL, AND BUSINESS USES. DURING THE SECOND HALF OF THE COURSE, MAJOR EMPHASIS IS PLACED ON FORMATTING DOCUMENTS, IMPROVING PROOFREADING SKILLS, AND INCREASING SPEED AND EFFICIENCY.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (OFTC 110 KEYBOARDING I)

COMPUTER CONCEPTS (632) (10004A001)

GRADES 9, 10, 11, 12

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: KEYBOARDING, TYPEWRITING AND
FORMATTING

PREFERRED ENROLLMENT: 19

MAXIMUM ENROLLMENT: 19

COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS IS AN ORIENTATION-LEVEL COURSE DESIGNED TO DEVELOP AWARENESS AND UNDERSTANDING OF APPLICATION SOFTWARE AND EQUIPMENT USED BY EMPLOYEES TO PERFORM TASKS IN BUSINESS, MARKETING, AND MANAGEMENT. STUDENTS WILL APPLY PROBLEM-SOLVING SKILLS TO HANDS-ON REAL -LIFE SITUATIONS USING A VARIETY OF SOFTWARE APPLICATIONS, SUCH AS WORD PROCESSING, SPREADSHEETS, DATABASE MANAGEMENT, PRESENTATION SOFTWARE, AND DESKTOP PUBLISHING. STUDENTS WILL EXPLORE TOPICS RELATED TO COMPUTER CONCEPTS, OPERATING SYSTEMS, TELECOMMUNICATIONS AND EMERGING TECHNOLOGIES. THE DEVELOPMENT OF EMPLOYABILITY SKILLS, AS WELL AS TRANSITION SKILLS, WILL BE INCLUDED IN THE COURSE AS WELL AS AN UNDERSTANDING OF THE ETHICAL CONSIDERATIONS THAT ARISE IN USING INFORMATION PROCESSING EQUIPMENT AND GAINING ACCESS TO AVAILABLE DATABASES.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (CITA 150 COMPUTER APPLICATION AND BUSINESS SYSTEMS CONCEPTS)

INFORMATION PROCESSING IA AND IB (650) (10005A001)

GRADES 11, 12

1 UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: KEYBOARDING
COMPUTER CONCEPTS

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT: 19

INFORMATION PROCESSING IA IS A SKILL-LEVEL COURSE THAT INCLUDES THE CONCEPTS AND TERMINOLOGY RELATED TO THE PEOPLE, EQUIPMENT, AND PROCEDURES OF INFORMATION PROCESSING AS WELL AS SKILL DEVELOPMENT IN THE USE OF INFORMATION PROCESSING EQUIPMENT. STUDENTS WILL OPERATE COMPUTER EQUIPMENT TO PREPARE MEMOS, LETTERS, REPORTS, AND FORMS. STUDENTS WILL CREATE ROUGH DRAFTS, CORRECT COPY, PROCESS INCOMING AND OUTGOING TELEPHONE CALLS AND MAIL, AND TRANSMIT AND RECEIVE MESSAGES ELECTRONICALLY. STUDENTS WILL BE INTRODUCED TO DATABASES AND SPREADSHEETS. STUDENTS WILL APPLY PROPER GRAMMAR, PUNCTUATION, SPELLING AND PROOFREADING PRACTICES. ACCURACY WILL BE EMPHASIZED. WORKPLACE SKILLS AS WELL AS COMMUNICATION SKILLS (THINKING, LISTENING, COMPOSING, REVISING, EDITING, AND SPEAKING) WILL BE TAUGHT AND INTEGRATED THROUGHOUT THIS COURSE.

INFORMATION PROCESSING IB IS A SKILL-LEVEL COURSE THAT INCLUDES THE CONCEPTS AND TERMINOLOGY RELATED TO THE PEOPLE, EQUIPMENT, AND PROCEDURES OF INFORMATION PROCESSING AS WELL AS SKILL DEVELOPMENT IN THE USE OF INFORMATION PROCESSING EQUIPMENT. STUDENTS WILL CREATE, INPUT, AND UPDATE DATABASES AND SPREADSHEETS. STUDENTS WILL CREATE DATA DIRECTORIES; COPY, RENAME, MOVE, AND DELETE FILES; AND PERFORM BACKUP PROCEDURES. IN ADDITION, STUDENTS WILL PREPARE FILES TO MERGE, AS WELL AS CREATE MAILING LABELS AND ENVELOPES FROM MERGE FILES. STUDENTS WILL LEARN TO LOCATE AND RETRIEVE INFORMATION FROM HARD COPY AND ELECTRONIC SOURCES AND PREPARE MASTERS FOR PRESENTATIONS USING PRESENTATION SOFTWARE. STUDENTS WILL APPLY PROPER GRAMMAR, PUNCTUATION, SPELLING, AND PROOFREADING PRACTICES. ACCURACY WILL BE EMPHASIZED. WORKPLACE SKILLS AS WELL AS COMMUNICATION SKILLS (THINKING, LISTENING, COMPOSING, REVISING, EDITING, AND SPEAKING) WILL BE TAUGHT AND INTEGRATED THROUGHOUT THIS COURSE.

SUCCESSFUL COMPLETION OF BOTH SEMESTERS OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (CITA 151 INTRODUCTION TO COMPUTER APPLICATIONS)

PHYSICAL EDUCATION (750) (760) (08001A000)

GRADES 9, 10, 11, 12

½ UNIT OF CREDIT PER SEMESTER

(8 SEMESTERS ARE REQUIRED FOR GRADUATION)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 25

MAXIMUM ENROLLMENT: 25

PHYSICAL EDUCATION IS A REQUIRED COURSE FOR ALL STUDENTS. THE CLASS CONSISTS OF THE FOLLOWING ACTIVITIES:

- *PHYSICAL FITNESS TESTING*
- *SOFTBALL*
- *SOCCER*
- *VOLLEYBALL*
- *BASKETBALL*
- *PHYSICAL CONDITIONING*
- *GAMES*

PHYSICAL EDUCATION AT SANDOVAL HIGH SCHOOL IS DESIGNED TO DEVELOP THE BODY AS WELL AS THE MIND OF EACH STUDENT TO THE HIGHEST LEVEL POSSIBLE. MEANINGFUL LEARNING OPPORTUNITIES WILL PARTICIPATING IN COMMUNITY GROUP ACTIVITIES AND INDIVIDUAL CARRYOVER BE PROVIDED FOR THE STUDENT TO DEVELOP KNOWLEDGE AND SKILLS TO MAKE BETTER USE OF EVER-INCREASING LEISURE HOURS. THIS TRAINING WILL INCLUDE DEVELOPING SKILLS FOR RECREATIONAL ACTIVITIES. ACTIVITIES TO BE INCLUDED IN THE PHYSICAL EDUCATION PROGRAM SHALL BE SELECTED ACCORDING TO THE FOLLOWING CRITERIA:

- *ACTIVITIES SHALL BE MEANINGFUL AND PURPOSEFUL TO THE STUDENT.*
- *ACTIVITIES SHALL HAVE CARRYOVER VALUE.*
- *ACTIVITIES MUST BE WITHIN THE CAPACITIES OF THE STUDENT ACCORDING TO HIS OR HER AGE, SEX, AND STRENGTH.*
- *ACTIVITIES SHOULD BE SELECTED THAT ARE POSSIBLE IN THE PARTICULAR SCHOOL FROM THE STANDPOINT OF FACILITIES, AS WELL AS TEACHER AND STUDENT ABILITIES.*

DRIVER EDUCATION (722) GRADE 9 OR AS SOON AFTER ELIGIBILITY REQUIREMENTS ARE MET (08049A000)

½ UNIT OF CREDIT

PREREQUISITES: SEE COURSE DESCRIPTION

PREFERRED ENROLLMENT: 18

MAXIMUM ENROLLMENT: 18

TO DRIVE LEGALLY IN ILLINOIS, A VALID DRIVER'S LICENSE, INSTRUCTION PERMIT, RESTRICTED DRIVING PERMIT, OR JUDICIAL DRIVING PERMIT IS REQUIRED.

TO APPLY FOR AN INSTRUCTION PERMIT, THE STUDENT MUST PASS:

1. *VISION TEST*
2. *WRITTEN TEST*
3. *BEHIND-THE-WHEEL TEST*

THE STUDENT MUST ALSO PAY A \$20 STATE OF ILLINOIS PERMIT FEE.

STUDENT ELIGIBILITY:

1. *STUDENT MUST BE BETWEEN THE AGES OF 15 AND 17 YEARS AND ENROLLED IN AN APPROVED DRIVER EDUCATION CLASS TO RECEIVE INSTRUCTION PERMIT. HOWEVER, A*

STUDENT MAY BE ALLOWED TO COMMENCE THE CLASSROOM INSTRUCTION PART OF THE DRIVER EDUCATION COURSE PRIOR TO REACHING 15 IF SUCH STUDENT THEN WILL BE ELIGIBLE TO COMPLETE THE ENTIRE COURSE WITHIN 12 MONTHS AFTER BEING ALLOWED TO COMMENCE THE CLASSROOM INSTRUCTION. (105 ILCS 5/27-24.2)

- 2. STUDENT MUST HAVE RECEIVED A PASSING GRADE IN AT LEAST 8 COURSES DURING THE PREVIOUS TWO SEMESTERS. THIS REQUIREMENT MAY BE WAIVED BY THE CHIEF SCHOOL ADMINISTRATION WHEN WARRANTED. INCLUDED ARE THOSE ENROLLED IN A GED PROGRAM.*

TIME STANDARDS:

- 1. A MINIMUM OF 30 CLOCK HOURS OF CLASSROOM INSTRUCTION MUST BE SCHEDULED REGULARLY THROUGHOUT A PERIOD OF NOT LESS THAN SIX COMPLETE WEEKS.*
- 2. EACH STUDENT MUST COMPLETE A MINIMUM OF SIX CLOCK HOURS OF PRACTICE DRIVING.*
- 3. EACH STUDENT IS REQUIRED TO HAVE AT LEAST ONE HOUR OF OBSERVATION TIME FOR EACH HOUR OF BEHIND-THE-WHEEL.*

HEALTH (726) GRADE 10 (08051A000)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES:	NONE
PREFERRED ENROLLMENT:	24
MAXIMUM ENROLLMENT:	25

WITH THE COMPLETION OF THIS COURSE OF INSTRUCTION IN HEALTH EDUCATION, THE STUDENT WILL HAVE BEEN PRESENTED WITH:

- 1. AN UNDERSTANDING OF THE PHYSICAL DEVELOPMENT, STRUCTURE, AND FUNCTION OF THE HUMAN BODY*
- 2. AN UNDERSTANDING OF THE PRINCIPLES OF NUTRITION, EXERCISE, EFFICIENT MANAGEMENT OF EMOTIONAL STRESS, POSITIVE SELF-CONCEPT DEVELOPMENT, DRUG USE AND ABUSE, AND THE PREVENTION AND TREATMENT OF ILLNESS*
- 3. AN UNDERSTANDING OF CONSUMER HEALTH AND SAFETY, INCLUDING ENVIRONMENTAL HEALTH*
- 4. AN UNDERSTANDING OF A VARIETY OF BASIC LIFE-SAVING TECHNIQUES.*

THIS INFORMATION WILL ENABLE THE STUDENT TO ACHIEVE BETTER HEALTH, GREATER HAPPINESS, AND A FULLER LIFE IN THE YEARS TO COME. THE PRIMARY PURPOSE OF SCHOOL HEALTH EDUCATION IS THE IMPROVEMENT OF BEHAVIOR CONDUCIVE TO GOOD HEALTH. ITS ULTIMATE GOAL IS THE OPTIMUM HEALTH OF THE INDIVIDUAL AND THE COMMUNITY. ITS FUNCTION IS TO PROVIDE GUIDANCE FOR LEARNING ACTIVITIES WHICH FAVORABLY INFLUENCE THE ACQUISITION OF KNOWLEDGE AS WELL AS THE DEVELOPMENT OF HABITS, ATTITUDES, AND SKILLS WHICH CONTRIBUTE TO THE FULFILLMENT OF THIS PURPOSE.

CLOTHING I (800)

GRADES 9-12

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES:	NONE
PREFERRED ENROLLMENT:	12
MAXIMUM ENROLLMENT:	12

THIS COURSE IS DESIGNED TO PROVIDE BASIC KNOWLEDGE AND UNDERSTANDING OF THE DESIGN, DEVELOPMENT, AND PRODUCTION OF TEXTILE PRODUCTS. THROUGH HANDS-ON AND PROJECT-BASED LEARNING EXPERIENCES, STUDENTS WILL DISCOVER FIBER CHARACTERISTICS, FABRIC CONSTRUCTION METHODS, ELEMENTS OF SCIENCE AND DESIGN IN TEXTILES AND APPAREL, AND BASIC CONSTRUCTION SKILLS USED IN INTERIOR FURNISHINGS AND APPAREL INDUSTRIES. THIS COURSE EMPHASIZES AWARENESS AND INVESTIGATION OF CAREERS AND INDUSTRY TRENDS IN TEXTILES.

ORIENTATION TO FAMILY AND CONSUMER SCIENCE (810) (22207A001)

GRADES 9, 10

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES:	NONE
PREFERRED ENROLLMENT:	16
MAXIMUM ENROLLMENT:	16

THIS COURSE IS THE BASIS FOR ALL FAMILY AND CONSUMER SCIENCE PROGRAMS. IT IS DESIGNED TO PRESENT SUBJECT MATTER IN SIX AREAS: CLOTHING & TEXTILES; RESOURCE MANAGEMENT; FOOD & NUTRITION; HOUSING, FURNISHINGS AND EQUIPMENT; HUMAN DEVELOPMENT, INTERPERSONAL & FAMILY RELATIONSHIPS; AND INTRODUCTION TO THE WORLD OF WORK. THE PURPOSE OF THIS COURSE IS TO EXPOSE STUDENTS TO LEARNING EXPERIENCES THAT WILL ASSIST THEM IN UNDERSTANDING THEMSELVES, THEIR ROLES IN TODAY'S SOCIETY AND THE RELATIONSHIP BETWEEN HOMEMAKING AND FAMILY & CONSUMER SCIENCE RELATED FIELDS.

FOODS AND NUTRITION (820) GRADES 9, 10, 11, 12 (16054A001)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES:	ORIENTATION TO FAMILY AND CONSUMER SCIENCE (810) OR PERMISSION OF THE ADMINISTRATION AND INSTRUCTOR
PREFERRED ENROLLMENT:	16
MAXIMUM ENROLLMENT:	16

THIS COURSE INCLUDES THE BASIC CLASSROOM AND LABORATORY EXPERIENCES NEEDED TO DEVELOP A KNOWLEDGE AND UNDERSTANDING OF BASIC FOOD PRINCIPLES AND NUTRITION FOR PEOPLE OF ALL AGES. COURSE CONTENT CENTERS AROUND: FOOD SERVICE AND PREPARATION MANAGEMENT USING THE DECISION MAKING PROCESS; MEETING BASIC NEEDS BY APPLYING NUTRITION CONCEPTS; MEETING HEALTH AND SAFETY NEEDS IN PLANNING, PREPARING, AND SERVING FOOD; MAXIMIZING RESOURCES WHEN PLANNING/PREPARING/SERVING FOOD; PROMOTING HOSPITALITY IN FOOD PRACTICES; AND ANALYZING INDIVIDUAL AND FAMILY NUTRITIONAL NEEDS IN RELATION TO CHANGE.

INFORMATION RELATED TO CAREERS IN FOODS AND NUTRITION IS INCORPORATED THROUGHOUT THE COURSE.

CHILD DEVELOPMENT (821) GRADES 9,10 (19052A001)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THE MAJOR AIM OF THIS COURSE IS TO PROVIDE LEARNING EXPERIENCES WHICH WILL HELP STUDENTS TO KNOW AND UNDERSTAND THE INTELLECTUAL, PHYSICAL, SOCIAL, AND EMOTIONAL DEVELOPMENT OF CHILDREN FROM CONCEPTION THROUGH ADOLESCENCE. UNITS OF STUDY INCLUDE: FAMILY PLANNING; PREGNANCY AND COMPLICATIONS INVOLVED; PRENATAL CARE; CHARACTERISTICS AND CARE OF THE NEWBORN; PHYSICAL, EMOTIONAL AND PSYCHOLOGICAL PREPARATION FOR CHILDHOOD; PRACTICING HEALTH AND SAFETY STANDARDS FOR CHILDREN; ENCOURAGING CHILDREN TO UTILIZE THEIR RESOURCES; DISCIPLINE VERSUS PUNISHMENT; AND FAMILY VALUES AND ATTITUDES. THE ROLE OF THE PARENT AND THE FAMILY, AS WELL AS ENVIRONMENTAL ASPECTS WILL BE DISCUSSED TO DEPICT HOW THEY SHAPE CHARACTER AND PERSONALITY OF THE CHILD. STUDENTS WILL ALSO STUDY AGGRESSIVE BEHAVIOR, HANDLING SPECIAL PROBLEMS, CULTURAL DIFFERENCES, AND DAY CARE SERVICES.

LIVING ENVIRONMENTS (822) GRADES 11,12 (22211A001)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THE LEARNING EXPERIENCES PROVIDED IN THIS COURSE WILL EXPOSE THE STUDENT TO BASIC KNOWLEDGE AND SKILLS NEEDED TO SELECT, ACQUIRE, MAINTAIN, AND MANAGE LIVING ENVIRONMENTS THAT MEET THE NEEDS OF THE OCCUPANTS. STUDENTS WILL LEARN THAT THE SELECTION AND CARE OF HOUSING AND FURNISHINGS ARE RELATED TO FACTORS SUCH AS SOCIAL-ECONOMIC CONDITIONS, INDIVIDUAL TASTES, PSYCHOLOGICAL EFFECTS, AESTHETIC VALUES, SAFETY, SANITATION, AND ENERGY CONSERVATION. THE COURSE CONTENT WILL INCLUDE UNITS OF STUDY IN THE FOLLOWING DUTY AREAS: ALTERNATIVES IN HOUSING AVAILABLE TO YOUNG ADULTS; LOCATING AND MANAGING HOUSING FOR DIFFERENT LIFE STAGES USING GOAL-SETTING AND DECISION-MAKING SKILLS; EVALUATING LIVING SPACE TO MEET BASIC NEEDS; CREATING AND MAINTAINING LIVING ENVIRONMENTS; DETERMINING THE IMPACT OF THE INDIVIDUAL OR GROUP ON LIVING ENVIRONMENTS; AND APPLYING HOUSING AND HOME MANAGEMENT CHOICES RELATING TO CHANGING CAREER PATTERNS. BASIC MANAGEMENT PRINCIPLES AS THEY RELATE TO THE ENVIRONMENT WILL BE EMPHASIZED.

CHILD CARE SERVICE OCCUPATIONS I (816) GRADES 11 AND 12
(19054A001) ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ORIENTATION TO FAMILY AND
CONSUMER SCIENCE (810), CHILD
DEVELOPMENT (821), CHILD CARE
SERVICE OCCUPATIONS I (816)

PREFERRED ENROLLMENT: 16

MAXIMUM ENROLLMENT: 16

**BEFORE THE BEGINNING OF THE FALL SEMESTER, THE STUDENT MUST ALSO
COMPLETE ALL OF THE FOLLOWING REQUIREMENTS:**

- (1) SHOW PROOF OF A COMPLETED PHYSICAL
- (2) SHOW PROOF OF A COMPLETED TUBERCULOSIS SKIN TEST
- (3) A CUMULATIVE GRADE POINT AVERAGE OF C
- (4) REQUEST AND RETURN APPLICATION TO THE PROGRAM
- (5) REQUEST AND RETURN WRITING SAMPLE TO THE INSTRUCTOR

**IN ADDITION, THE INSTRUCTOR WILL CONDUCT A FACULTY SCREENING OF THE
STUDENT. ATTENDANCE RECORDS OF THE STUDENT WILL BE CONSIDERED.**

THIS COURSE WILL PROVIDE STUDENTS INTERESTED IN CHILD AND DAYCARE OCCUPATIONS WITH INFORMATION AND EXPERIENCES NEEDED TO DEVELOP CHILDCARE JOB-RELATED COMPETENCIES. UNITS OF STUDY WILL INCLUDE DEVELOPMENTALLY APPROPRIATE PRACTICES (FOR INFANTS/TODDLERS/ PRESCHOOL/SCHOOL AGED), HEALTH AND SAFETY, COMMUNICATION SKILLS, ACADEMIC SKILLS, PROFESSIONALISM AND EMPLOYABILITY SKILLS. STUDENTS WILL BE PROVIDED WITH WORK-BASED OR EXTENDED CAMPUS EXPERIENCES CLOSELY ARTICULATED WITH THEIR SCHOOL-BASED LEARNING. SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT (3 CREDITS). (CHCA 101 PRINCIPLES AND PRACTICES OF CHILD CARE)

CHILD CARE SERVICE OCCUPATIONS II (826) GRADE 12 (19055A001)
TWO UNITS OF CREDIT (TWO SEMESTERS—TWO PERIODS PER DAY)

PREREQUISITES: ORIENTATION TO FAMILY AND
CONSUMER SCIENCE OR PERMISSION OF
THE ADMINISTRATION AND INSTRUCTOR
(ADDITIONAL REQUIREMENTS ARE LISTED
ON PREVIOUS PAGE FOR COURSE 816)

PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THIS COURSE WILL CONTINUE THE LEARNING BEGUN IN CHILD CARE SERVICE OCCUPATIONS I. THE EMPHASIS WILL BE PLACED ON ADMINISTRATION OF CHILDCARE FACILITIES. THE STUDY WILL INCLUDE:

- CARE FOR INFANTS, TODDLERS, PRE-SCHOOLERS, AND SCHOOL CHILDREN IN EARLY CHILDHOOD EDUCATION AND CHILDCARE SETTINGS*
- RECOGNIZING AND CARING FOR SPECIAL NEEDS CHILDREN*
- ADVANCED COMMUNICATION SKILLS*
- PLANNING AND EXECUTING CHILDCARE AND EARLY CHILDHOOD EDUCATION PROGRAM ACTIVITIES*
- AGENCIES AND SERVICES CONCERNED WITH EARLY CHILDHOOD EDUCATION AND CHILD CARE*
- FUNDAMENTALS OF OPERATING A DAY CARE FACILITY*

STUDENTS WILL BE ON THE JOB SITE FOUR DAYS PER WEEK AND IN CLASS ON FRIDAYS. MAJOR LEARNING EXPERIENCES WILL CONSIST OF A PRACTICUM IN A CHILDCARE FACILITY AND AT THE LOCAL GRADE SCHOOL.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT (4 CREDITS). (CHCA 107 CHILD CARE PRACTICUM)

RESOURCE MANAGEMENT (823) GRADES 11, 12 (22210A001)

½ UNIT OF CREDIT (ONE SEMESTER)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: 16
MAXIMUM ENROLLMENT: 16

THE LEARNING EXPERIENCES IN THIS COURSE WILL FOCUS ON THE UNDERSTANDINGS AND SKILLS NEEDED TO MAKE DECISIONS ABOUT THE USE OF RESOURCES AND STRATEGIES WHICH LEAD TO QUALITY OF LIFE. UNITS OF STUDY WILL INCLUDE:

- UNDERSTANDING THE ROLE OF THE CONSUMER*
- UTILIZING RESOURCES AND CONSUMER INFORMATION*
- APPLYING CONSUMER RIGHTS AND RESPONSIBILITIES IN THE MARKET PLACE*
- INSTALLMENT PURCHASING*
- BUDGETING*
- COMPARISON OF PRICES*
- COST OF CREDIT, INSURANCE AND TAXES*
- PURCHASING FOOD, CLOTHING, SHELTER, AND TRANSPORTATION*
- MANAGING MONEY AND RESOURCES*
- ANALYZING RESOURCE/CONSUMER MANAGEMENT SKILLS NECESSARY FOR PRESENT AND FUTURE DECISIONS*
- UNDERSTANDING ECONOMIC AND FREE ENTERPRISE SYSTEMS*

THIS COURSE MEETS THE MANDATE FOR CONSUMER EDUCATION INSTRUCTION AS REQUIRED BY THE SCHOOL CODE OF ILLINOIS (SECTION 27-12.1).

BAND (910) GRADES 9-12 (05101A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ABILITY TO PLAY A BAND INSTRUMENT
MAXIMUM ENROLLMENT: OPEN-ENDED

BAND IS A PERFORMANCE –ORIENTED CLASS WHICH MEETS ON A DAILY BASIS. BAND MEMBERS PARTICIPATE IN MARCHING BAND DURING FIRST QUARTER, PEP BAND DURING THE BASKETBALL SEASON, AND CONCERT BAND DURING THE SECOND, THIRD, AND FOURTH QUARTERS OF THE YEAR. DURING THE CONCERT SEASON, THE BAND PERFORMS AT THE CHRISTMAS CONCERT, IHSA ORGANIZATIONAL CONTEST, AND THE SPRING CONCERT. ATTENDANCE BY ALL BAND MEMBERS IS MANDATORY AT ALL PERFORMANCES EXCEPT PEP BAND WHERE NECESSARY ABSENCES WILL BE CONSIDERED ON AN INDIVIDUAL BASIS. BAND UNIFORMS OR THE CHOICE OF BLACK PANTS OR SKIRTS WITH RED BAND SHIRTS WILL BE WORN FOR ALL CONCERT BAND PERFORMANCES. BLACK SHOES ARE ALSO REQUIRED.

CHORUS (912) GRADES 9-12 (05110A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: ENJOY SINGING AND THE ABILITY TO SING MUSICAL PITCH CORRECTLY
PREFERRED ENROLLMENT: 20
MAXIMUM ENROLLMENT: OPEN-ENDED

*CHORUS IS A PERFORMANCE-ORIENTED CLASS WHICH MEETS ON A DAILY BASIS. CHORUS MEMBERS PARTICIPATE IN CHRISTMAS CONCERT, IHSA SOLO AND ENSEMBLE CONTEST (IF THEY WISH TO PARTICIPATE) AND THE SPRING CONCERT. THE CHORUS ALSO PERFORMS AT RANDOM COMMUNITY EVENTS. ATTENDANCE BY ALL CHORUS MEMBERS IS MANDATORY AT ALL PERFORMANCES EXCEPT IHSA SOLO AND ENSEMBLE CONTEST. THE CLASS WILL STUDY VOICE, MUSIC THEORY, AND THE PRACTICAL APPLICATION OF BOTH IN MUSIC READING SKILLS. **STUDENTS WILL BE EXPECTED TO AUDITION FOR CHORUS DURING THE FIRST WEEK OF THE SEMESTER.** THIS WILL ALLOW FOR PROPER VOCAL PLACEMENT WITHIN THE GROUP. BLACK PANTS OR SKIRTS AND RED CHORUS SHIRTS WILL BE WORN FOR ALL PERFORMANCES.*

ART (925) GRADES 9,10,11,12

(OFFERED ON ALTERNATE YEARS WITH ART APPRECIATION, ART I WILL BE OFFERED DURING 2013-2014)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE
PREFERRED ENROLLMENT: _____
MAXIMUM ENROLLMENT: _____

THIS IS A ONE-YEAR CLASS DESIGNED TO ACQUAINT THE STUDENT WITH VARIOUS ART FORMS, MEDIA AND THE HISTORIC ASPECTS OF ART AS A MIRROR OF CULTURES AND CIVILIZATIONS. IN ADDITION TO HANDS-ON EXPERIENCES IN VARIOUS MEDIUMS, THE STUDENT WILL BE REQUIRED TO SHOW KNOWLEDGE OF ART CONCEPTS THROUGH WRITTEN

WORK. THE STUDY OF ART ENCOURAGES THE STUDENT TO DEVELOP SELF-DISCIPLINE, GROUP AND INDEPENDENT WORK HABITS, THE ABILITY TO FOLLOW DIRECTIONS, AND TO UNDERSTAND THE INTERACTIONS OF ART AND ART HISTORY.

ART APPRECIATION (950) GRADES 9-12

(OFFERED ON ALTERNATE YEARS WITH ART; ART APPRECIATION WILL BE OFFERED DURING 2012-2013.)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT: 10-12

MAXIMUM ENROLLMENT:

THIS CLASS WILL PRESENT A SURVEY OF THE VISUAL ARTS AS THEY TRANSMIT CULTURAL TRADITIONS AND AESTHETIC VALUES. IT WILL EXAMINE HISTORICAL, SOCIAL, AND TECHNOLOGICAL FACTORS THAT CONTRIBUTE TO THE UNDERSTANDING OF THE FUNCTION AND MEANING OF WORKS OF ART. ALL FORMS OF THE FINE ARTS AND ARCHITECTURE WILL BE COVERED IN THIS SURVEY. THREE PAPERS WILL BE REQUIRED IN THIS CLASS—TWO SHORTER ONES ON SCULPTURE AND ARCHITECTURE AND ONE LONGER ONE BASED ON THE CRITIQUE OF A WORK OF ART OBSERVED IN THE ST. LOUIS ART MUSEUM. STUDENTS WILL BE EXPECTED TO DEMONSTRATE THEIR KNOWLEDGE OF THE LANGUAGE, METHODS, MEDIA AND OBSERVATIONS IN THE FORM OF REGULAR WRITTEN TESTS AND ORAL PRESENTATIONS.

SUCCESSFUL COMPLETION OF THIS COURSE MEETS THE QUALIFICATIONS FOR SANDOVAL HIGH SCHOOL/KASKASKIA COLLEGE DUAL CREDIT. (ARTO 105 INTRODUCTION TO ART)

AUTO SKILLS MATH/READING (14000) GRADES 9-12 (22997A000)

ONE UNIT OF CREDIT (TWO SEMESTERS)

PREREQUISITES: NONE

PREFERRED ENROLLMENT:

MAXIMUM ENROLLMENT: 19

THIS IS AN INDEPENDENT STUDY COMPUTER-BASED PROGRAM TO ASSIST STUDENTS WITH READING AND MATH. SEE PAGES 11 (AUTO SKILLS READING) AND PAGE 17 (AUTO SKILLS MATH) FOR DESCRIPTIONS OF EACH.

OKAW AREA VOCATIONAL CENTER
PROGRAMS OFFERED FOR 2012-2013 SCHOOL YEAR

AUTO BODY REPAIR:

**(Automotive Body
Repair I)**

IE17

This course includes the name, use and care of tools of the trade: skills needed for welding, replacing and repairing parts, and panels, as well as interior and exterior cleanup. Spray gun technique along with care of paint equipment, including types of paint and refinish systems are taught. Another unit is repair estimating.

**(Automotive Body
Repair II)**

IE18

Two year program
4 credits

AUTOMOTIVE MECHANICS:

(Transportation I)

IE09

This course combines technical background information in the classroom and practical experience in the shop. Training is given on many types of vehicles and engines, using the latest types of equipment. Work and study is done on engine over-haul and tune-up, suspension, brakes, wheel balancing, electrical systems, carburetion, emission control computer systems, air-conditioning, and accessories.

(Transportation II)

IE10

Two year program
4 credits

BUILDING TRADES:

(Construction I)

IE05

This program is aimed at students desiring a career in construction. The class constructs a modern home each year on a lot owned by the center. On-site construction is accompanied by classroom work that teaches theoretical and technical knowledge of building trades. The students perform the carpentry, electrical tasks, and observe or assist with the concrete, masonry, sheet metal and/or plumbing installation. The project is completed with painting and landscaping before it is sold.

(Construction II)

IE06

Two year program
4 credits

CHILD CARE:

(Child Care)
HE10

This course is designed to provide students interested in a career in child and day care operations with information and practical experiences needed for the development of job-related competencies. Students will be provided laboratory experiences either in a school-based or extended campus facility. Students will be expected to develop appropriate skills in program development and in assisting with children's and/or adult's activities. Classroom study is concerned with the philosophy and management of care centers and the state and local regulations governing care-giving operations. The main learning experiences will involve actual work with children/adults in situations that simulate those found in business and industry, as well as preparation for that activity. Leadership, employability skills, and 60 hours of observation experience will also be a part of this course.

One year program

4 credits

COMMERCIAL ART:

(Graphic Communications)
IE11

(Graphic Arts)
IE12

This is a two-year program for junior and senior students interested in a career or a vocation of commercial illustration and advertising. The course covers a very wide variety of experiences in art. Students will be given experiences in advertising, computer graphics, paste-up design, sign painting, fashion design, interior design, and display design. The principles and elements of design will be emphasized on each project. Emphasis upon excellence in craftsmanship with a time element is stressed as if employed on the job. Prerequisite-Art I.

Two year program

4 credits

DRAFTING/COMPUTER-
AIDED DRAFTING

(Drafting/CAD I)
IE15

(Drafting/CAD II)
IE16

A two year course which provides learning experiences related to the principles, tools, materials, techniques, equipment and processes utilized in the production and reproduction of drawings, layouts, plans and blueprints. Emphasis will be placed on three-dimensional representation using the computer as a drafting tool. Instruction is provided in freehand sketching; theory of projection; relationship of coordinate planes; object position in relation and requirements of dimensioning and tolerancing; isometrics of planes and solids; cavalier, cabinets, and general oblique drawing; diametric drawing; and picture plans, points of sight, visual rays, and vanishing points in perspective drawing.

Two year program

4 credits

ELECTRONICS:

(Electronics I)

This course is a training program for junior or senior students who desire a career in some field of electronics or computer networking including both theory and practical experience. Introductory principles ranging from AC-

IE13

(Electronics II)

IE14

DC circuitry through Novell networking and Cisco Routers will be taught. Practical skills will include trouble-shooting methods, reading schematic diagrams and programming at 3 levels. Tools used will include meters, oscilloscopes, power supplies and software. Advanced topics include solid state devices, microprocessors, digital circuits and interfacing. Computer circuitry, repair of computers and LAN cabling is included. Successful completion of the program should enable the student to complete the (A+ certified) computer technician certification, Novell network manager Certified Network Administration (CAN) certification or other electronic technical certification.

Two year program

4 credits

FOOD SERVICE:

**(Food Service
Occ. I)**

HE12

This is a two-year program for those students who aim for employment in the food industry. Classroom work will include units in food preparations using restaurant equipment such as a bench mixer, deep fryer and grill. Menu planning, serving skills management practices, nutrition, job interviews and applications will be covered. Field trips will be taken to hotels, bakeries, hospitals and restaurants.

**(Food Service
Occ. II)**

HE13

Trained food service personnel are in demand and job opportunities are excellent for the future. On the job experience in the food service establishments will be provided. Opportunity for state certification by providing instruction on the "Applied Food Service Sanitation".

Two year program

4 credits

HEALTH OCCUPATIONS:

(Nurse Assistant)

H02

The purpose of this program is to give young people an opportunity to explore health careers while learning the skills necessary to become a proficient nursing assistant. Skills taught include the techniques needed for determining vitals, bathing and bed making; patient care; disease; and care of the aged. Each can be certified in CPR and receive state certification as a nurse aide. In addition the class visits and/or works in nursing homes, dental offices, veterinary offices, the hospital, and it's specialized departments. Students receiving an A or B in this class are waived 1 hour of college credit if they attend Kaskaskia College in the LPN Program.

One year program

4 credits

JUSTICE CORRECTIONS:

**(Criminal Justice and
Corrections)**

IE24

An overview of the Criminal Justice system of the United States with topical consideration of the functional areas of the police, courts, corrections, Nature of Law, and the interrelationships of several components of the systems. Topics such as crime, legal concepts, policing, prosecution, defense, courts, sentencing, corrections, correctional programming institutional operations, counseling, care management, criminal justice reporting internal affairs, the juvenile justice systems and the development of philosophy, theory, and practice at correctional institutions will be discussed. Includes an analysis of police and correctional line operations.

Topics such as the specialized functions of crime prevention, vice, drug, communication, police reports, patrol deployment, juvenile work, use of deadly force, implementation of procedural and tactical planning, basic principles of vehicle/traffic control and enforcement, accident investigation and functions of various police operational field units. Correctional operations will include History of Corrections, Development in the United States, current prison populations, gangs, institutional security, inmate characteristics, employment and careers in corrections. The course will emphasize contemporary/topical issues such as cultural diversity, ethical issues, gangs, crime in the United States, new ways of dealing with offenders and inmates, professional liability, and changes in career development in criminal justice. This is a Dual-Credit course in which students will be receiving credits toward High School graduation as well as Community College credit hours. Students will be expected to pay Community College tuition up to twelve hours received through this course. The objective of the Criminal Justice and Corrections program is to prepare High School graduates with advanced status in the Administration of Justice program at Kaskaskia Community College or the Corrections/Law Enforcement programs at Lake Land Community College.

One year program

Seniors only

4 credits

Up to 12 Community College hours

MACHINE SHOP:

(Manufacturing I)

IE07

Two-year course which provides study of blueprint reading, metalling, shop safety, shop mathematics and CNC programming.

Emphasis will be placed on operation and set-up of metal cutting, lathes, mills, drills, grinders and saws.

(Manufacturing II)

IE08

Two year program

4 credits

MODEL OFFICE:

(Model Office I)
BE17

(Model Office II)
BE18

This is a two-year training program open to juniors and seniors. This course provides practical experience in the tasks performed by office personnel. Areas covered: advanced keyboarding, Office 2000 Suite (Word, Excel, Access, Power Point), voice-recognition software, use of the ten-key office calculator, filing, Dictaphone, office grammar and punctuation, proofreading, and office conduct and grooming. Various simulations are completed in an office-type setting to stress time management and productivity.

The second-year expands on the skills acquired the first year. In addition, students often complete projects as requested by teachers and members of the community. One year of keyboarding is required for this course.

Two year program

4 credits

POWER MECHANICS:

(Ag. Power Mechanics I)
AG11

(Ag. Power Mechanics II)
AG12

A two year course vocational in nature is for those junior or senior students who aim for a career in the repair and assembly of farm machinery. Instruction will be given for all types of mechanical equipment, including diesel motors, and hydraulic and electrical systems.

Diagnostic equipment for engine analysis will be used and advanced welding will be included. Assembly of new equipment, tune up, and complete overhaul of old equipment will be part of the course.

Two year program

4 credits

WELDING:

(Manufacturing I)
IE07

(Manufacturing II)
IE08

The classroom portion of this program provides study in welding safety, basic math, blueprint reading and layout, metallurgy, welding processes, fabrication, and repair. Shop exercises consist of oxy-acetylene welding and cutting, shielded metal arc welding, gas metal arc welding (MIG), and tungsten metal arc (TIG) in various positions.

Two year program

4 credits

OKAW morning sessions begin at 9:05 a.m. and end at 11:20 a.m.

Dual credit with Kaskaskia or Lakeland Colleges is available in certain programs.

COLLEGE NOW AT KASKASKIA COLLEGE
PROGRAMS OFFERED FOR 2011-2012 SCHOOL YEAR

CRIMINAL JUSTICE (1050)
AAS Degree/or Certificate

The Criminal Justice Program at Kaskaskia College exists to prepare students for a rewarding career with local, county, state, or federal law enforcement agencies, correctional institutions, and other criminal justice agencies such as probation and parole. A large number of related career fields, such as security and investigations, are open to graduates of our Criminal Justice Program. The Criminal Justice Program will also prepare students for a smooth transition to a university. In addition, our program will assist in the career advancement of current criminal justice professionals.

CULINARY ARTS (1011)
AAS Degree

The Culinary Arts Program provides students with proper food service preparation techniques for future employment by placing significance on practical hands-on learning. The Culinary Arts Program teaches students how to maintain a budget and meet high food preparation standards at the same time.

Graduates of the program will have a strong knowledge of basic cooking, baking, decorating skills, and will have practiced these skills in the commercial environment of Kaskaskia College's fast paced food service operations.

DRAFTING TECHNOLOGY (3001)
Career and Technical AAS Degree/or Certificate

The Computer Drafting Technology program at Kaskaskia provides the education and experience to become an entry-level drafter in the technological field of Computer Aided Drafting. Students study graphic communication through technical drawing; however, they discover the benefits of Computer Aided Drafting (CAD) in design, visualization, testing, analysis, manufacturing, assembly, marketing and 3D modeling. An AutoCAD Certificate of Achievement is available to students who have returned to school to take only CAD classes.

They can apply this certificate to an Occupational Certificate for future advancement with in their chosen occupations. For students who elect to pursue drafting and design as a chosen occupation and students who elect to continue their education, a 2-year A.A.S. Degree is available. Typical students who complete a 2-year Computer Drafting Technology program have a number of attributes to enter on their application for employment. These include in-depth training in drafting, ability to learn and flexibility in their skills.

CARPENTRY OCCUPATIONS (3002)
Career and Technical AAS Degree/or Certificate

The Carpentry Occupations Program at Kaskaskia College allows students to understand and explore the many facets of work encompassed by the Carpentry Profession. Beginning with safety and an understanding of materials and tools, the students learn the development of plans from site and layout work through the construction of footings, foundations, floors, walls, roofs, ceilings, and finish work. The complex world of construction operations and scheduling is examined in detail through the various courses of study.

This program is designed to help students prepare for a career in the building trades as a carpenter. This profession is in high demand and pays well. The Carpentry Occupations Program requires dedication to learning and understanding of all aspects of building dynamics through field and hands on experience.

COLLISION TECHNOLOGY (3003)
Career and Technical AAS Degree/or Certificate

The Auto Collision Program at Kaskaskia College is designed to provide the student with a working knowledge of all phases of repair and maintenance of a vehicle's interior, exterior, and underbody structure. The program offers training in sheet metal repair, MIG welding, various types of painting procedures, interior/exterior trim, and glass repair. In addition, the student learns how to analyze damage and determine replacement parts on a vehicle. Lab classes give the student an opportunity to practice what has been learned on actual vehicles in a shop environment.

AUTOMOTIVE TECHNOLOGY (3004)
Career and Technical AAS Degree

The automotive technology curriculum provides the students with technical skills necessary to diagnosis, test, and repair today's sophisticated vehicles. Through classroom study of principles combined with "heavy" hands on experiences applied on automobiles in the lab, graduates of the program are prepared to assume positions in the automotive industry as entry level technicians. Students entering the program should possess good math skills, the ability to read technical manuals, good communication skills, hand to eye coordination, and be interested in mechanical work. The program also prepares students for the ASE certification exams sponsored by the National Institute for Automotive Service Excellence. Students are encouraged to take the specific ASE exams upon completion of related courses.

After completion of the Associate in Applied Science Degree students may elect to transfer to select senior institutions under an advanced placement capstone option to obtain a four-year

degree. Suggested General Education Electives for transfer will vary; see the automotive coordinator for further recommendations.

The instruction, course of study, facilities, and equipment of this program have undergone rigid evaluation by the National Automotive Technicians Education Foundation and met the ASE standards for training program Master Certification.

WELDING TECHNOLOGY (3005) **Career and Technical Certificate**

The Welding Technology Program at Kaskaskia College allows students to understand and explore the many avenues available for work enhanced by the skill of welding. Many professional trades use skilled welders (e.g. boilermakers, ironworkers, sheet metal mechanics, pipefitters and pipe welder, ship fitters and ship welders, automotive manufacturing, and aerospace industries.) Most of the better paying jobs in the metal fabrication trades will only let those individuals that have passed a qualification test do the work. Before students in the Welding Program can attain an A.W.S., A.S.M.E., or A.P.I. qualification report, they must demonstrate a strong desire for safety and a thorough understanding of materials, equipment and the tools used by someone utilizing this skill. The students learn how to develop the basic skills of welding from the three main arc processes taught (shielded metal arc, gas metal arc, and gas tungsten arc) and transform these basic skills into the ability to take a proctored welding qualification test. This would involve both structural plate and pipe welding tests. The complex world of metal fabrication and welding is examined in detail through the various courses of study offered in the Welding Technology Program.

This program is designed to help students prepare for a career in the metal fabrication trades as a skilled welding operator. The knowledge and demonstrated skill of a qualified welder is in demand and pays well. The Welding Technology Program requires dedication to learning and understanding of all aspects of welding dynamics through classroom lecture and intensive hands on experience in the laboratory setting.

COMPUTER NETWORK ADMINISTRATION (3006) **AAS Degree/or Certificate**

The Network Administration AAS Degree offers aggressive courses designed for students interested in careers in Network Design, Network Implementation, and Network Administration.

This degree requires an internship to be completed at one of the Internship Program Sponsors somewhere in the local area to further prepare students for their future career. Details on internship will vary according to program sponsor. Please See Mr. Boehning for further information.

Minimum graduation requirements may provide an opportunity to students who enter the program at an advanced level to proficiency lower level course work or select elective credit. Students entering with less than the required program entrance skills may be required to meet prerequisites not listed in the curriculum sequence.

COLLEGE PREP CLASSES CHECKLIST

The following classes are strongly recommended for Sandoval High School students who intend to enroll in college classes to obtain a college/university degree:

LANGUAGE ARTS

ENGLISH I
ENGLISH II
ENGLISH III
ENGLISH IV *
LITERATURE I
LITERATURE II

SOCIAL STUDIES

GOVERNMENT
U.S. HISTORY
SOCIOLOGY
PSYCHOLOGY
WORLD HISTORY
WORLD AND PEOPLE GEOGRAPHY

MATHEMATICS

ALGEBRA I
ALGEBRA II
GEOMETRY
TRIGONOMETRY
PRE-CALCULUS
CALCULUS

SCIENCE

BIOLOGY
CHEMISTRY I
CHEMISTRY II
PHYSICS
ANATOMY AND PHYSIOLOGY*

***indicates dual credit**

FOR THOSE INTERESTED IN HEALTH OCCUPATIONS:

ORIENTATION TO HEALTH OCCUPATIONS*

HEALTH OCCUPATIONS CORE OF SKILLS*

BUSINESS

KEYBOARDING AND FORMATTING * AND **

BUSINESS AND TECHNICAL CONCEPTS

COMPUTER CONCEPTS*

INFORMATION PROCESSING 1A*

INFORMATION PROCESSING 1B*

FAMILY AND CONSUMER SCIENCE (OR ANY AREA INVOLVING CHILDREN)

CHILD DEVELOPMENT

CHILD CARE SERVICE OCCUPATIONS I*

CHILD CARE SERVICE OCCUPATIONS II*

FINE ARTS

ART

ART APPRECIATION*

BAND

CHORUS

FOREIGN LANGUAGE

SPANISH I

SPANISH II

*indicates dual credit

**indicates a graduation requirement

