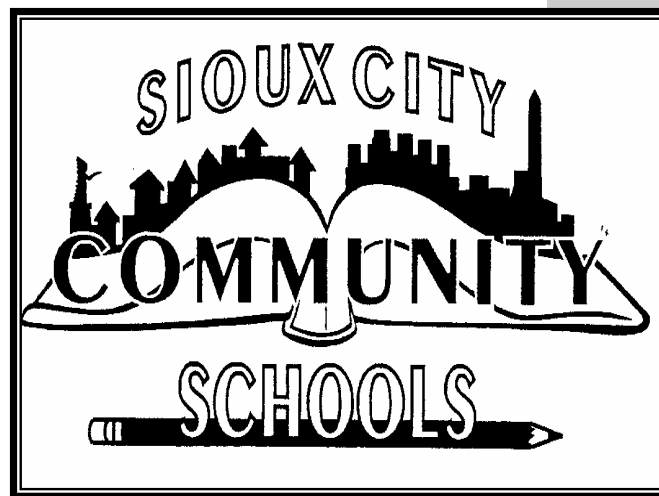


SIOUX CITY COMMUNITY SCHOOLS

Educational Planning Handbook

**Central Campus East High
North High West High**



Sioux City Community School District

1221 Pierce Street
Sioux City, IA 51105
(712)279-6667



Board of Education

Ron Jorgensen
James Daane
Doug Batcheller
Walt Johnson
Nancy Mounts
John Meyers
Judy Peterson

Sioux City Community High Schools

Director of Secondary Education

LuAnn Richardson

East High School

5011 Mayhew Avenue
Jeanene Sampson – Principal
Brant Bemus – Assistant Principal
Richard Todd – Assistant Principal
Brian Koch – Activity Director

West High School

2001 Casselman Street
Jim Vanderloo – Principal
Jason Klingensmith – Assistant Principal
Jacque Wyant – Assistant Principal
Mike Patee – Activity Director

North High School

4200 Cheyenne Blvd.
Linda Smoley - Principal
Joe Malsam – Assistant Principal
Mimi Moore – Assistant Principal
Dave Fravel – Activity Director

Central Campus

1121 Jackson Street
Rita DeJong - Principal

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SIoux CITY COMMUNITY SCHOOL DISTRICT

MISSION

The Sioux City Community School District exists to develop and graduate students who have the knowledge, skills and competencies to lead productive lives in society.

COMPREHENSIVE SCHOOL IMPROVEMENT GOALS 2004-2009

All K-12 students will achieve at the proficient level in reading comprehension, prepared for success beyond high school.

All K-12 students will achieve at the proficient level in mathematics, prepared for success beyond high school.

All K-12 students will achieve at the proficient level in science, prepared for success beyond high school.

All K-12 students will use technology in developing proficiency in reading, math and science.

All schools will maintain a school climate that is safe, orderly and conducive to academic productivity for all students.

EXIT LEVEL INTENTIONS

AS A RESULT OF THEIR EDUCATION, ALL GRADUATES WILL BE:

Effective Communicators, who read, write, listen and respond to the messages and ideas of others, who generate ideas and relate information in various contexts, and who demonstrate fluency in written and oral English.

Collaborative Individuals, who use reasonable social, group, and leadership skills to develop and manage interpersonal relationships within a variety of cultural and organizational settings.

Problem Solvers, who identify problems, use strategies, and apply mathematical, logical, critical and creative reasoning to solve problems and make responsible decisions.

Technological Practitioners, who use advanced technologies, including but not limited to the computer, to create, access, integrate and use information in a variety of contexts.

Resourceful/Goal-Oriented Learners, who create a positive vision for themselves and their future, view themselves as lifelong learners, set priorities and achievable goals, create options for themselves, monitor and evaluate their progress.

Quality Workers, who demonstrate a strong work ethic and create and/or appreciate intellectual, artistic, practical and physical services or products which reflect originality and high standards.

Life Managers, who demonstrate the motivation and skills necessary to persevere, make wise decisions, and accept responsibility for actions that contribute to self and society.

INTRODUCTION TO STUDENTS AND PARENTS

Selecting courses for the school year is a process which involves the student, parent, counselor and instructor. Course selection should be based upon future career goals and post-secondary educational plans. Students are encouraged to familiarize themselves with available courses, graduation requirements and the registration process. Challenging courses are available to meet the needs of all students. All courses listed in this course guide may not be offered during any given year. If the course does not meet minimum enrollment requirements, it may be omitted from the schedule. Registration information sessions will be scheduled at each high school to help you plan your high school course of study.

Graduation Requirements for 2008-09 Freshmen, Sophomores & Juniors

Beginning with the freshman class of 2006-07, graduation requirements were changed. The total requirements remain at 44. Increased requirements in the areas of language arts, math, and science are outlined below.

Language Arts

8 credits

2 credits of English I or Honors English I
2 credits of English II or Honors English II
2 credits of English III or Global Literature & Composition
2 credits of Language Arts Support I, Language Arts Support II, English IV, Global Literature & Composition, AP Literature & Composition, OLAP English Language & Composition, or 28E English Composition I & II

Math

6 credits

2 credits of Math must include Algebra I

Science

6 credits

2 credits of Science must include Biology or Physics

Social Studies

6 credits

2 credits of American History (state required)
2 credits of World History
1 credit of American Government (state required)
1 credit of Economics

Fine Arts

2 credits

Must be earned from two different areas: music, visual arts, dance, theatre/drama, or humanities

Design Strategies and Graphic Arts may be taken as the second credit in Fine Arts if Art 1-2D (course 101) has been successfully completed.

Health

1 credit

The following courses meet this requirement:

Health I (Science & Health Department)
Health Science I (Science & Health Department)
Individuals & Families (FACS Department)

Physical Education

Required each semester

Total Minimum Required Credits = 29

Total Minimum Elective Credits = 15

High School Courses Taken During Middle School

High School courses taken during middle school will not be counted as high school credit toward graduation or be computed into the high school grade point average. (Board Policy AR605.4)

Capstone Credit beginning with the Freshman Class of 2006-07

Beginning with the freshman class of 2006-07, the following courses will be graded on a five-point grading scale:

- | | | |
|-----------------------------|------------|----------------------------------|
| Calculus | Physics II | Anatomy-Physiology & Occupations |
| Differentiated Math Courses | | All AP and AP Online Courses |

Graduation Requirements for those registering as Senior

(Board Policy 605.4)

Students must earn a minimum of 44 credits to graduate from high school with minimum credits in each of the following designated areas:

Language Arts 6 credits

- 2 credits of English 9
- 2 credits of English 10
- 1 credit for either Language Composition or Practical Writing
- 1 credit additional Language Arts elective

Math and Science 10 credits combined

- 6 credits of Science and 4 credits of Math
- Or
- 6 credits of Math and 4 credits of Science
- *2 credits of math must include Algebra I or Pre-algebra

Social Studies 6 credits

- 2 credits of American History (state required)
- 2 credits of World History
- 1 credit of American Government (state required)
- 1 credit of Economics

Fine Arts 2 credits

- Must be earned from two different areas: music, visual arts, dance, theatre/drama, or humanities
- Design Strategies and Graphic Arts may be taken as the second credit in Fine Arts if Art 1-2D (course 101) has been successfully completed.

Health 1 credit

- The following courses meet this requirement:
 - Health I (Science & Health Department)
 - Health Science I (Science & Health Department)
 - Individuals & Families (FACS Department)

Physical Education Required each semester

Credits Earned During Middle School

Classes that are equivalent to a high school course will count as credits toward graduation and be included in the high school grade point average. (Spanish I & Algebra I)

Total Minimum Required Credits = 25

Total Minimum Elective Credits = 19

A student will not be allowed to graduate with fewer than 44 credits without the approval of the Board of Education. The Board of Education shall have the authority to determine extraordinary circumstances.

Pathways to Career Exploration

The Importance of Course Selection

The middle and high school years are viewed as a critical time that can determine the student's future. Every spring, thousands of students make very important career choices when they register for next year's classes. Many times these choices are made without much thought for the future, or the student's intentions or aspirations.

Each time a student selects a high school subject, they open the door to a career opportunity. Each time they do not take a subject, they could be closing a door to a career opportunity. The courses selected in school provide the educational foundation to build your occupational or career choices.

Iowa Choices is a computer-based system that is approved by the State of Iowa. This tool is designed to equip teachers, administrators and counselors with the knowledge and skills needed to assist students and parents with career exploration and information, as well as knowledge about educational opportunities and financing. Students and parents may access Iowa Choices at www.collegeplanning.org/IowaChoices.

Choices Explorer, a Middle School directed product, motivates students by building awareness of a wide variety of education and career options. Sections include: *Career Finder* – to narrow down hundreds of careers to those matching the characteristics of the student; *Major Finder* – to see what majors match their interests; *Your School Subjects* to explore careers related to those courses they enjoy in school; *Preparing for College* – to learn about the preparation, course selection and financial aid knowledge and procedures needed for college; *Your Plans* – about skills, interests, resumes and courses collected into a portfolio; *Activities* – about complementing your future direction with volunteer or extra curricular activities.

Choices Planner, a High School or Adult directed product, is a more focused planning tool with career and labor market information, course selection suggestions, postsecondary school options, job search tools and an electronic portfolio. Sections include: *Career Zones* – to explore over 1200 different careers; *Connection Yourself to Careers* – 5 different assessments that will help you find the right career for you; *School Finder* – which gives students an opportunity to search for schools by tuition range, location, programs and other factors; *Compare Schools or Careers* – a side-by-side comparison of schools to best suit the student's preferences; *High School Planning or College Planning* – steps to start the plan process; *Career Plan Builder* – a tool to create a career or educational plan, a High School or Adult directed product, is a more focused planning tool with career and labor market information, course selection suggestions, postsecondary school options, job search tools and an electronic portfolio.

Access to Iowa Choices: Each school is given a school identification number and password which gives the school personnel and students 24/7 access to Choices Explorer and Choices Planner. The student will create a portfolio to establish a depository portfolio for the different career information and tools that are used. Any computer with internet-access can be used with the school ID and password to access the career information. Both online tools provide security to ensure confidentiality of all student data generated. See your school counselor for more information or access Choices at www.collegeplanning.org/IowaChoices.

High School Internships are available for juniors and seniors who are interested in participating in career experiences during high school. Students are able to earn academic credit while exploring careers in all Career Pathways. Internship assignments are arranged in conjunction with the school counselor and the district's School-to-Work Specialist.

Physical Education Exemption

The physical education program is to provide opportunities and resources for students to acquire knowledge, discipline, and skills to develop physical fitness, holistic wellness, and a vigorous, healthy lifestyle. All students physically able shall be required to participate in the program for a minimum of one-eighth unit during each semester they are enrolled except as otherwise provided in this paragraph. A twelfth-grade student may be excused from this requirement by the Principal of the school in which the student is enrolled under one of the following circumstances:

1. The student is enrolled in a cooperative, work-study, or other educational program authorized by the school, which requires the student's absence from the school premises during the school day.
2. The student is enrolled in academic courses not otherwise available.
3. An organized and supervised athletic program (sanctioned by the IHSAA/IGHSAU) which requires at least as much time of participation per week as one-eighth unit of physical education.
4. A student will not be required to enroll in physical education if the student's legal guardian files a written statement with the building Principal stating that the course conflicts with the student's religious belief.

Students in grades nine through eleven may be excused from the physical education requirement in order to enroll in academic courses not otherwise available to the student, subject to review of the Superintendent's designee. (Board Policy 602.11)

Human Growth & Development Exemption

The Sioux City Community School District provides instruction in human growth and development. The topics include a) self-esteem, responsible decision making, and personal responsibility and goal setting; b) interpersonal relationships; c) discouragement of acquired immune deficiency syndrome, premarital adolescent sexual activity; d) family life and parenting skills; e) human sexuality, reproduction, contraception and family planning, prenatal development including awareness of mental retardation and its prevention, childbirth, adoption, available prenatal and postnatal support, and male and female responsibility; f) sex stereotypes; g) behaviors to prevent sexual abuse or sexual harassment; h) sexually transmitted diseases and their causes and prevention; i) substance abuse treatment and prevention; j) suicide prevention; and k) stress management. The human growth and development topics are taught in health classes as well as infused into many subject areas.

Parents are encouraged to examine the textbooks and educational materials, which are used at school. Your school principal will be happy to arrange an appointment so that you have the opportunity to become familiar with the curriculum in any subject area. Parents may have their children excused from the human growth and development classes by completing the Human Growth and Development Non-Participation form, which is available through the principal.

Graduation Requirements for Special Education Students

Graduation requirements for a special education student will be in accordance with the prescribed course of study as outlined in the student's Individualized Education Program (IEP). Prior to the student's graduation, the IEP team shall determine that the graduation requirements have been met. Upon successful completion of the prescribed courses of study, a student with a disability will enjoy the same ceremonial activities as any other student. The District shall issue the same certificate of diploma to a special education student as granted to other students.

EARLY GRADUATION

Students may graduate prior to the completion of grade 12 if all course work required for graduation has been fulfilled as stated in Board Policy 605.4. In addition:

- ◇ Students and their parents should review the advantages and disadvantages of early graduation with consideration given to dual enrollment in a post-secondary program during the senior year.
- ◇ Written approval from a parent or guardian is required.
- ◇ Approval must be granted by the counselor and the principal.
- ◇ A student who takes early graduation forfeits his/her eligibility to participate in all school-sponsored or sanctioned activities after the semester that the student leaves school.

FULL-TIME STUDENT

In order to be considered a full-time general education student in the Sioux City Community School District, each student shall schedule a minimum of five academic courses (credits) per semester. Physical education shall not be included as one of the five courses. Courses designated as *Post Secondary Enrollment Option, 28E, or AP On-Line* may be scheduled as part of the required five academic high school credits defining a full-time student. Students have the right to appeal the full-time student board policy to the Principal and to the Superintendent or his/her designee. (SCCSD Board Policy 684.06)

TRANSFER STUDENTS

Students who are transferring to a Sioux City High School should bring with them a transcript of their credits and a copy of their health records from their previous school, as well as a birth certificate. If they are starting the fall (1st) semester or winter (2nd) semester they must bring a parent or legal guardian to register.

If students transfer to Sioux City after the 4th week of school and have not been in school that semester, they will be asked to register at the Individualized Learning Center. Students who are transferring from another school whether from out of state or in state will be registered and enrolled in the school that is in their home district.

COLLEGE PREPARATORY CURRICULUM

Students should plan a program that will satisfy their interests and prepare them for further education and employment. Completion of the following program will assist students in meeting the admission requirements at most four-year colleges and universities, including all three Iowa public universities:

| | |
|-------------------------|--|
| Language Arts | 8 credits (must include English I and English II and English III or Global Lit & Comp) |
| Math | 6 - 8 credits (must include, at a minimum, Algebra I, Geometry, & Algebra II) |
| Science | 6 - 8 credits (must include at least two of the following courses: biology, chemistry, or physics) |
| Social Studies | 6 - 8 credits |
| Foreign Language | 4 - 8 credits of the same foreign language for admission (8 credits of the same language may be needed to satisfy the college graduation requirements.) |

Some colleges require fine arts and/or technology credits. Check with your post-secondary institution for specific admission requirements.

High School Course Requirements

Iowa Board of Regents Admission Index

| Subject Area | The University of Northern Iowa | University of Iowa | Iowa State University |
|--|---|--|---|
| English / Language Arts | Four years, including one year of composition; also may include one year of speech, communication, or journalism. | Four years with an emphasis on the analysis and interpretation of literature, composition, and speech. | Four years of English/Language Arts emphasizing writing, speaking, and reading, as well as an understanding and appreciation of literature. |
| Math | Three years, including the equivalent of algebra, geometry and advanced algebra. | Three years, including two years of algebra and one year of geometry for admission to the College of Liberal Arts and Sciences. Four years, including two years of algebra, one year of geometry and one year of higher mathematics (trigonometry, analysis or calculus), for admission to the College of Engineering. | Three years, including one year each of algebra, geometry, and advanced algebra. |
| Natural Science | Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended | Three years including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences. Three years, including at least one year of chemistry and one year of physics, for admission to the College of Engineering. | Three years, including one year each from any two of the following: biology, chemistry, and physics. |
| Social Science | Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology. | Three years with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. Two years with U.S. history and world history recommended for admission to the College of Engineering. | Three years for admission to the Colleges of Agriculture, Business, Design, Human Sciences and Engineering. Three years for admission to the College of Liberal Arts and Sciences. |
| Foreign Language | Foreign Language courses are not required for admission. However, two years of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement. | Two years of a single foreign language. | Two years of a single foreign language for admission to the College of Liberal Arts and Sciences and the College of Engineering. Foreign language courses aren't required for admission to the Colleges of Agriculture, Business, Design or Human Sciences. |
| Other Courses | Two years of additional courses from the required subject areas, foreign languages, or fine arts. | Specific elective courses are not required for admission to the University of Iowa. | Specific elective courses are not required for admission to Iowa State University. |
| <p>Students from Iowa high Schools planning to begin their studies in Fall 2009 or later must have a Regent Admission Index score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa and the College of Liberal Arts and Sciences at the University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis. The index combines four factors that strongly predict success at regent universities: ACT or SAT test score, high school rank, high school cumulative GPA and the number of completed high school core courses.</p> | | | |
| <p>Index Formula: (2 x ACT composite score) + (1 x high school rank) + (20 x high school GPA) + (5 x number of high school courses completed in the core subject areas) = Score</p> | | | |

NCAA Requirements

Many college athletic programs are regulated by the National Collegiate Athletic Association (NCAA), an organization founded in 1906 that has established rules on eligibility, recruiting, and financial aid. The NCAA has three membership divisions: Division I, Division II, and Division III. Colleges and universities are members of a division according to the size and scope of their athletic programs and whether they provide athletic scholarships.

If you are planning to enroll in college and you wish to participate in Division I or Division II athletics as a freshman, you must be certified by the NCAA Initial-Eligibility Clearinghouse. You should apply for certification before graduation if you wish to participate in athletics as a freshman at the post-secondary level. The following information is for students who plan to enroll in any Division I or Division II college or university and participate in the college’s athletic programs. NCAA initial eligibility will be evaluated under the rules as described in the following charts.

For more information on NCAA eligibility standards, including GPA, ACT and SAT requirements, call the NCAA Initial-Eligibility Clearinghouse at (877)262-1492 or go to www.ncaaclearinghouse.net.

| Division I 16 Core Courses | |
|--|--|
| Subject Area | Years Required |
| English | Four Years |
| Mathematics | Three Years (Algebra I or higher) |
| Natural / Physical Science | Two years (one year of lab if offered by high school) |
| English, Mathematics or Natural / Physical Science | One year additional |
| Social Science | Two Years |
| Additional Courses | Four Years (from any subject area in chart or foreign language or non-doctrinal religion/philosophy) |

| Division II 14 Core Courses | |
|--|--|
| Subject Area | Years Required |
| English | Three Years |
| Mathematics | Two Years (Algebra I or higher) |
| Natural / Physical Science | Two years (one year of lab if offered by high school) |
| English, Mathematics or Natural / Physical Science | Three Years additional |
| Social Science | One Year |
| Additional Courses | Four Years (from any subject area in chart or foreign language or non-doctrinal religion/philosophy) |

SCHEDULE CHANGES

Schedule changes will normally occur at the beginning of the school year only for the following reasons:

- The student completed a course during summer school which is on the student's schedule.
- The student must repeat a failed course from a previous year.
- There is an error on the student's schedule.

A student who wishes to add a class to his/her schedule for one of the above reasons must do so within the first ten class days of the semester. A student who wishes to drop a class without penalty must do so within the first twenty class days of the semester. No class will be dropped to accommodate an added class without the permission of the parent/guardian and the building principal or his/her designee. Students have the right to appeal the drop procedures to the building principal or his/her designee. The add/drop policy does not apply to the Individualized Learning Center. (SCCSD Board Policy 684.06)

FEE WAIVER NOTIFICATION

Students whose families meet the income guidelines for free and reduced price lunch, the Family Investment Program (FIP), Supplemental Security Income (SSI), transportation assistance under open enrollment, or who are in foster care are eligible to have their student fees waived or partially waived. Students whose families are experiencing a temporary financial difficulty or homelessness may be eligible for a temporary waiver of student fees. Parents or students who believe they may qualify for temporary financial hardship should contact the school bookkeeper/business office for a waiver form. This waiver does not carry over from year to year and must be completed annually.

THE ADVANCED PLACEMENT (APTM) PROGRAM

AP is a program of college-level courses and exams that give high school students the opportunity to receive advanced placement and/or college credit. Students are required to take the AP Exam upon completion of all AP Courses.

ADVANCED PLACEMENT ONLINE (OLAP)

On-Line Advanced Placement is a collaborative effort between motivated students and college/universities. OLAP is an opportunity for students to take advanced placement courses not currently offered by our district. These online courses are offered at no cost to students. Additional information is available by calling the AP Online Coordinator (279-6795). Registration takes place with a student's counselor and the counselor will use the AP Online registration format. Courses will appear as OLAP plus the course name on the student's schedule.

POSTSECONDARY ENROLLMENT OPTIONS ACT

The Postsecondary Enrollment Options Act was enacted in 1987 to promote rigorous academic pursuits and to provide a wider variety of options to high school students by enabling them to enroll part time in nonsectarian courses in eligible postsecondary institutions of higher learning in Iowa. Students can earn both high school and postsecondary credit through this program. More information about this program may be obtained by contacting the high school counseling department or the Director of Secondary Education, 712-279-6676.

1. Students must complete an application form that is available in the high school counseling office. The application must be approved by the student's counselor and the Director of Secondary Education. Prior approval is required for each course.
2. Students may not enroll in a postsecondary course when a comparable course is available through the home high school.
3. Summer school postsecondary courses are not included in this program.
4. Transportation will be the responsibility of the student or parent and costs are not reimbursable. Payment not to exceed \$250.00 for tuition, fees, textbooks and materials will be made for each approved course.

Students who drop (after the prescribed time) or fail a postsecondary course must pay all fees themselves.

A \$40.00 book deposit is charged by the district, per course, and refunded upon the return of the book (s) to the district.

Students who have graduated from high school are not eligible under this act. Receipt of a diploma does not determine when graduation will occur.

DUAL CREDIT

Dual credit refers to successfully completing a course for which the student receives both high school and college credits. This may be a high school course that also carries college credit, or a college course that also carries high school credits, such as those in the Postsecondary Enrollment Options Program. Courses that may be used for dual credit are designated with the notation "Dual Credit Available." It shall be the student's responsibility to apply for dual credit. The request for dual credit will not be approved until successful completion of the course.

ARTICULATION

Articulation is the process of mutually agreeing upon core competencies and performance levels transferable between institutions and programs for college credit. The purpose of **articulation** is to enable students enrolled in high school courses to transfer to the Community College and receive college credit for the competencies achieved at the high school. When you graduate, be sure to check with your high school counselor and instructors so the necessary forms are sent with your high school transcript for you to gain this college credit.

EQUITY STATEMENT

It is the policy of the Sioux City Community School District to not discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, religion, or physical or mental disability in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 19B.11, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681—1688), section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

SIoux CITY COMMUNITY SCHOOL DISTRICT PARENT NOTICE:

SECTION 504 OF THE REHABILITATION ACT OF 1973

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination against persons with a disability in any program receiving federal financial assistance. No discrimination against any person with a disability should knowingly be permitted in any of the programs and practices of the school system.

The Sioux City Community School District has the responsibility under Section 504 to afford access to appropriate educational services to students who are determined to be eligible under Section 504. If the parent or guardian disagrees with the determination made by the professional staff of the school district, he/she has a right to a hearing with an impartial hearing officer.

The Family Educational Rights and Privacy Act (FERPA) also specifies rights related to educational records. This act gives the parent or guardian the right to: 1) inspect or review his/her child's educational records; 2) make copies of these records; 3) receive a list of the individuals having access to those records; 4) ask for an explanation of any item in the records; 5) ask for an amendment to any report on the grounds that it is inaccurate, misleading, or violates the child's rights; and 6) a hearing on the issue if the school refuses to make the amendment.

If there are questions, please feel free to contact the director of educational equity for the Sioux City Community School District, 279-6075, Education Service Center, 1221 Pierce Street.

TALENTED AND GIFTED EDUCATION

In gifted education, a variety of services are offered to meet the diverse needs of students. Programming includes concepts of enrichment, acceleration, guidance, and extended learning experiences. Students are selected for participation based on evidence of need and likelihood of success. Factors that determine what curriculum modifications will best serve the students' educational needs include the students' abilities, interests, and achievements. There are four levels to the selection procedure. Level one is screening or referral. Level two is profile development. Level three is profile assessment and level four is curriculum modifications. Selection instruments include standardized test scores, behavioral inventories, academic inventories and case studies. Parental input is also considered. Neither formal nor informal instruments outweigh one or the other in the selection process. A team approach is used to determine the most appropriate programs/services for students. Students who participated in TAG programming in the middle school are encouraged to continue taking honors and advanced placement courses in high school. Each year the students' personalized education plans are subject to review by the team. Questions that are answered in the review include:

Are the students meeting the standards and benchmarks?

Are the current curricular modifications appropriate?

For more information on services provided in gifted education, parents and students are encouraged to visit with their teacher, counselor or principal or call the office of gifted education – 279-6734.

ONLINE ADVANCED PLACEMENT

| Course # | Name | Credit |
|-----------------------------|--|--------|
| Full Year Courses | | |
| 2413 | OLAP Calculus AB | 2 |
| 2414 | OLAP Chemistry | 2 |
| 2415 | OLAP Physics B | 2 |
| 2416 | OLAP Statistics | 2 |
| 2417 | OLAP English Language & Composition | 2 |
| 2420 | OLAP U.S. History | 2 |
| One Semester Courses | | |
| 2384 | OLAP Micro Economics | 1 |
| 2385 | OLAP Macro Economics | 1 |

OLAP CALCULUS AB (Full Year)

Department: Math

Course Number: 2413

Credit: 2

Prerequisite: Algebra II, Geometry, Trigonometry, Advanced Math

Grade Level: 10, 11, 12

OLAP Chemistry (Full Year)

Department: Science

Course Number: 2414

Credit: 2

Prerequisite: One year Chemistry, Algebra II

Grade Level: 10, 11, 12

OLAP Physics B (Full Year)

Department: Science

Course Number: 2415

Credit: 2

Prerequisite: Algebra II, Math Analysis, Trigonometry; Intro to Physics strongly recommended

OLAP Statistics (Full Year)

Department: Math

Course Number: 2416

Credit: 2

Prerequisite: Algebra II

OLAP English Language & Composition (Full Year)

Department: Language Arts

Course Number: 2417

Credit: 2

Prerequisite: Grade of B in most recent English course

OLAP U.S. History (Full Year)

Department: Social Studies

Course Number: 2420

Credit: 2

Prerequisite: Grade of B in most recent Social Studies course

OLAP Micro Economics (1 Semester)

Department: Social Studies

Course Number: 2384

Credit: 1

Prerequisite: Algebra I

OLAP Macro Economics (1 Semester)

Department: Social Studies

Course Number: 2385

Credit: 1

Prerequisite: Algebra II or Math Analysis

COURSE DESCRIPTIONS

Advanced Placement Online (OLAP) is a collaborative effort between motivated students and colleges/universities. OLAP is an opportunity for students to take advanced placement courses not currently offered by our district. These online courses are offered at no cost to students. Additional information is available by calling the AP Online Coordinator (279-6795). Registration takes place with a student's counselor and the counselor will use the AP Online registration format. Courses will appear as OLAP plus the course name on the student's schedule.

Please see Departments for each Course Description.

BUSINESS EDUCATION

| COURSE # | Name | Credit | COURSE DESCRIPTIONS |
|----------|---------------------------------------|--------|---|
| 121 | Personal Finance | 2 | <p>PERSONAL FINANCE (Full Year) Course Number: 121 Credit: 2 Elective/Required: Elective Prerequisite: None Schools Offering: E, N, W Grade Level: 9, 10, 11, 12 Course Description: This is a one-year course designed to give all students practical knowledge of the business world. Students investigate career opportunities and assess skills necessary for interviews and employment. Included in the course is a study of our economic system, automation, banking, check writing, balancing a checkbook and the different types of insurance.</p> <p>The student will also be exposed to the several methods of investments and mathematically compare these investments for profitability. The student will explore different types of credit and their uses; credit cards and consumer cost of credit including the cost of buying a home. The student will learn several skills of becoming a wise consumer. Students will use computer programs to enhance learning, including Virtual Business and Financial Knowledge for Investing.</p> <p>ACCOUNTING I (Full Year) Course Number: 122 Credit: 2 Articulation: WITCC Elective/Required: Elective (meets district Math requirement) Prerequisite: None Schools Offering: E, N, W, CC Grade Level: 10, 11, 12 Course Description: Accounting I is a course designed to teach the recording and analyzing of financial records of a sole proprietorship, partnership and corporation, as well as give background information in accounting for individuals on a personal level. It includes, through both manual and computer accounting technology, how to keep financial records, summarizing them for convenient interpretation, and the ability to see what should be done to improve a financial situation. The first-year course develops an understanding of the steps of the accounting cycle, and different accounting systems. It involves practical application of math skills needed in business, basic adding, subtraction, multiplication (figuring percentages, etc.) and division, as well as formulas and functions for spreadsheet analysis. The course also examines the managerial use of accounting information, explores career choices in the field of accounting, and looks into current business ethics. This course may count toward math graduation requirement but does not meet post secondary math requirements.</p> |
| 122 | Accounting I | 2 | |
| 123 | Accounting II | 2 | |
| 124 | Accounting III | 2 | |
| 125 | Keyboarding I | 2 | |
| 125-S1 | Keyboarding I (1st semester) | 1 | |
| 125-S2 | Keyboarding I (2nd semester) | 1 | |
| 126 | Personal Keyboarding OWF | 1 | |
| 126 | Personal Keyboarding ETTH | 1 | |
| 127 | Personal Keyboarding 1 semester daily | 1 | |
| 128 | Business Management | 4 | |
| 129 | Business & Personal Law | 1 | |
| 130 | Sales & Marketing | 1 | |
| 132 | Microsoft Office Suite | 1 | |
| 133 | Business Machines | 1 | |
| 135 | Multimedia Computers In Business | 1 | |
| 140 | Microsoft Word | 1 | |
| 141 | Microsoft Excel | 1 | |
| 145 | Desktop Publishing | 1 | |
| 147 | Business Office Procedures | 2 | |
| 151 | Intro to Windows | 1 | |
| 157 | Cash Register Training | 1 | |
| 158 | Clerical Record Keeping | 1 | |
| 563 | Microcomputer System A+ | 2 | |
| 3001 | W.A.G.E.S. | 1 | |

ACCOUNTING II (Full Year)**Course Number:** 123**Credit:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Successful completion of Accounting I**Schools Offering:** E, N, W**Grade Level:** 11, 12

Course Description: Accounting II is an advanced accounting course designed to teach maintenance of financial records of an individual, partnership or corporation. It includes departmental accounting, branch accounting, several advanced accounting adjustments, accounting for corporate financing, inventory and budget planning, accounting for business decisions, cost accounting for a manufacturing business, and financial accounting for a partnership. It includes the planning of how to keep these records, how to summarize them for interpretations, and how to analyze them to be able to give the steps necessary to improve a financial situation. The second year course expands the utilization of computerized accounting for financial records, and continues to stress good business ethics. It continues to emphasize basic math skills, problem-solving skills, and analysis and interpretation of data.

ACCOUNTING III (Full Year)**Course Number:** 124**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful completion of Accounting II**School Offering:** E, N, W**Grade Level:** 12

Course Description: The students will work on an independent basis and will build upon the concepts learned in Accounting I and II. Special emphasis will be placed on developing ways of understanding business information by analyzing and interpreting financial statements with a higher sense of knowledge, learning accounting procedures for partnerships and not-for-profit organizations, and learn about special accounting systems such as departmental, branch, voucher system and manufacturing accounting. Computerized accounting will be stressed and fully utilized throughout the course. It is an excellent way for students that are truly interested in the accounting profession to broaden their knowledge and prepare knowledge and prepare themselves for future accounting courses.

KEYBOARDING I (Full Year)**Course Number:** 125**Credit:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering:** E, N, W, CC**Grade Level:** 9, 10, 11, 12

Course Description: Keyboarding I is designed to teach the touch method of keyboard operations on a computer, including formatting (arrangement, placement, and spacing) of documents such as letters, memos, envelopes, reports, tables, flyers, desktop publishing items, labels, mail-merge and other communication forms. Contents introduced and learned in one cycle are reviewed and reinforced in the latter cycles. The course includes document processing, using a self-contained program that checks student work and uses MS Office software for the word processing functions.

The skills involved include: job task planning, page setup adjustments, language skills, detecting and correcting errors, and proofreading and evaluating final copy for accept-

ability. The course is designed for personal enrichment and/or to assist in preparing students for the modern workplace, as well as college preparation.

PERSONAL KEYBOARDING OWF (Odd Mondays, Wednesday, and Friday) (Full Year)**Course Number:** 126 Articulation: WITCC**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Test by business teachers for placement in this course – Middle School or High School**Schools Offering:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: Personal Keyboarding will be available to freshmen and sophomores wanting a credit to cover the alternating days they are not in PE for 0.5 credit per semester. The student would take the first half of the course one semester for 0.5 credit and could take the second half another semester for ½ credit. If the schedule does not allow the students to take the second semester immediately, you can schedule it for another year.

*The course is basically the same as Personal Keyboarding #127 but offered every other day all year.

PERSONAL KEYBOARDING ETTH (Even Mondays, Tuesday, and Thursday) (Full Year)**Course Number:** 126 Articulation: WITCC**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Test by business teachers for placement in this course – Middle School or High School**Schools Offering:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: Personal Keyboarding will be available to freshmen and sophomore wanting a credit to cover the alternating days they are not in PE for 0.5 credit per semester. . The student would take the first half of the course one semester for 0.5 credit and could take the second half another semester for ½ credit. If the schedule does not allow the student to take the second semester immediately, you can schedule it for another year. *The course is basically the same as Personal Keyboarding #127 but offered every other day all year.

PERSONAL KEYBOARDING (1 Semester)**Course Number:** 127**Credit:** 1 **Articulation:** WITCC**Elective/Required:** Elective**Prerequisite:** Test by business teacher for placement in this course – Middle School or High School**Schools Offering:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: Personal Keyboarding is a one-semester course designed to begin with document formatting for those who already have the touch keyboarding skill, and having tested to begin with the document word processing. It includes formatting (arrangement, placement, and spacing) of documents, such as letters, envelopes, reports, tables, flyers, desktop publishing items, labels, mail-merge, and other communication forms. Contents introduced and learned in one cycle are reviewed and reinforced in the latter cycles.

The course includes document processing, using a self-contained program that checks student work and gives immediate feedback on errors and formatting. The skills involved include: job task planning, page setup adjustments, language skills, detecting and correcting errors, and proof-reading and evaluating final copy for acceptability. The course is designed for personal enrichment and/or to assist in preparing students for the modern workplace, as well as college preparation.

BUSINESS MANAGEMENT & COMPUTERS (Full Year)**Course Number:** 128**Credit:** 4 **Articulation:** WITCC**Elective/Required:** Elective**Prerequisite:** One semester of high school keyboarding required (Full Year recommended)**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This full-year course is designed to give students four credits of modern business in-class experience. One credit is classroom and the others are working the student store before school and at events throughout the year, learning the various jobs, including marketing, stocking, pricing, etc. Course focus: skills in office management and problem-solving, communications, sales and marketing, filing and business record control, composition and formatting business correspondence/business forms. Students will use cash registers and word processing software, database, spreadsheet, and desktop publishing.

BUSINESS AND PERSONAL LAW (1 Semester)**Course Number:** 129**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This program gives background information in the law as it relates to the average individual and problems they may encounter with the law, other persons suing them, and their consumer rights. It is also related to the business aspect regarding contract, criminal, and tort law. It also gives an opportunity to visit a court in session. . This is helpful to anyone for personal use, but also for background knowledge if you intend a career involving the law from court reporters to paralegal, lawyers, legal secretary or law enforcement personnel.

SALES & MARKETING (1 Semester)**Course Number:** 130**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12

Course Description: Students will learn sales and marketing strategies used in the business world. This class incorporates advertising techniques and their effect on sales and uses PowerPoint software on computers to make presentations on business products or services. Projects are a big part of the course. This is good for someone wanting a career in Sales or Marketing and a good prerequisite for the Business Management class.

MICROSOFT OFFICE SUITE (1 Semester)**Course Number:** 132**Credit:** 1 **Articulation:** WITCC**Elective/Required:** Elective**Prerequisite:** One semester of keyboarding at the high school level**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12**Course Description:**

Students will learn how to work through a windows environment to access and utilize Microsoft Office Suite, which includes Microsoft Word and Microsoft Excel spreadsheet application, along with introduction to Access database and PowerPoint presentation software. Get skills used in the business world.

BUSINESS MACHINES (1 Semester)**Course Number:** 133**Credit:** 1 **Articulation:** WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** CC**Grade Level:** 9,10,11,12

Course Description: This program is designed to prepare students to use any desktop calculator to solve common business and personal mathematical problems, including figuring interest, percentages, discounts, and taxes. Students will learn the ten-key numeric touch method, which can also be used on other business machines, such as numeric keypad of computers, bank proofing machines, and cash registers. This course is good for anyone in finance and accounting.

MULTIMEDIA BUSINESS APPLICATIONS (1 Semester)**Course Number:** 135**Credit:** 1 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** 1 semester of high school keyboarding and 1 additional high school (or higher) computer course preferred.**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** This course is designed to give training in advanced technology, especially for Web Design. It will expose students to the latest technology used in business including the use of scanners, Internet, video cameras for conferencing, digital cameras, video conferencing, personal digital assistants, and development of Internet home pages. These will be valuable tools used to create multimedia presentations. The use of Macromedia software is also a new part of this course, including Dreamweaver for web page design, and introduces Fireworks and Flash software.**MICROSOFT WORD** (1 Semester)**Course Number:** 140**Credit:** 1**Elective/Required:** Elective**Prerequisite:** 1 semester of high school keyboarding**Schools Offering:** CC**Grade Level:** 10, 11, 12**Course Description:** Microsoft Word is a full-featured word processor. It enables students to work efficiently and easily to provide professional results for a variety of documents containing text and graphics, mail merges, labels, flyers, and templates. The graphical environment makes the computer easier and more fun to use. Microsoft Word is designed to provide students with an opportunity to extend their keyboarding skills to an employable level.**MICROSOFT EXCEL** (1 Semester)**Course Number:** 141**Credit:** 1**Elective/Required:** Elective**Prerequisite:** 1 semester of keyboarding**Schools Offering:** CC**Grade Level:** 10, 11, 12**Course Description:** This course is designed to teach the student how to use Microsoft Excel software to calculate in common business application. Excel is a software package with a sophisticated spreadsheet and spreadsheet-oriented database. It has built-in graphic capabilities that allow the student to present information visually. Each chapter explains Excel concepts, provides step-by-step instructions, and provides applications to reinforce commands and operations presented, including graphs, charts and templates.**DESKTOP PUBLISHING** (1 Semester)**Course Number:** 145**Credit:** 1**Elective/Required:** Elective**Prerequisite:** 1 semester of high school keyboarding**Schools Offering:** CC, E, N, W**Grade Level:** 10, 11, 12**Course Description:** Desktop Publishing is a one-credit course designed to assist the student in learning to use the Adobe InDesign software program for desktop publishing. Desktop publishing software programs permit the student to manipulate types and graphic images on the screen of the computer to produce professional-quality documents. The student will learn how to produce a docu-

ment, place and integrate text with graphics on a page, and move, change size, edit, format and print text and graphics. The student will prepare newsletters, brochures, business cards, flyers, advertisements, reports, as well as newspaper & magazine articles and other creative design projects.

BUSINESS OFFICE PROCEDURES (Full Year)**Course Number:** 147**Credit:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** One semester of high school keyboarding is required.**Schools Offering:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** This is a course where students will learn job training and job-keeping skills. Students will learn how to operate a variety of machines including computers, 10-key adding machines, faxing, and telephone procedures. The student will use Microsoft Office computer program, including formatting documents, database, spreadsheet, and rules for filing.**INTRODUCTION TO WINDOWS** (1 Semester)**Course Number:** 151**Credit:** 1 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** This program gives students experience in use of the Windows software for computers, which provide a graphic environment with an icon-based link between the student, the application software, and DOS. This program is designed to maximize productive and make computers easier to use, applications easier to learn, and allow several applications to run at the same time. The Windows course is an excellent aid for use in other software programs for both business and personal use. This course also incorporates Internet learning on searches and websites, and personal digital assistants, and Outlook calendar program.**CASH REGISTER TRAINING** (1 Semester)**Course Number:** 157**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** This program is designed to prepare students to use a cash register in a grocery store setting. Students will learn the operation of the cash register with lessons on check stand duties, math review, weighing, store organization, pricing, tax, food stamps, coupons, money, bagging, balance sheets, making and correcting errors, refunds, and job applications. It includes scanning groceries with an electronic scanning device.

CLERICAL RECORDKEEPING (1 Semester)**Course Number:** 158**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12

Course Description: Students develop skills relating to general record keeping in business or personal life. Daily lessons including cashier records, petty cash, budgets, retail sales, purchases, payroll, checks, and bank statements. This program is designed to utilize realistic business problems so those students can acquire basic entry-level record keeping skills needed in sales and office occupations.

MICRO COMPUTER SYSTEMS A+ (Full Year)**Course Number:** 563**Credit:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Permission of counselor and technology department**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: This two semester course is designed to allow the advanced student to explore microcomputer system architecture, language and operating systems. The coursework is divided equally in a lecture-discussion & hands-on-laboratory format. Emphasis is placed on troubleshooting PC hardware, software and peripherals. As a culmination to each semester, the student is expected to meet the requirements for accreditation as an A+ certified PC repair technician. A strong algebra and math background is recommended for this course.

W. A. G. E. S. (Working At Gaining Employment Skills)**Course Number:** 3001**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 10 – 12

Course Description: This course is designed to enhance job-getting, job-keeping employment skills and attitudes, including self control, communications, accepting criticism, listening skills, problem solving, following directions, RADD, dependability, and interviewing skills. This is a project- and activity- based curriculum, based on working in teams

FAMILY AND CONSUMER SCIENCES (FACS) COURSES

| COURSE # | NAME | CREDIT | COURSE DESCRIPTIONS |
|----------|-------------------------------|--------|--|
| 243 | Individuals & Families | 1 | <p>GRADUATION, REALITY, and DUAL ROLE SKILLS (GRADS) Course Number: 231, 232, 233 & 234 Credit: 4 (up to 4 credits can be earned) Elective/Required: Elective Prerequisite: None Schools Offering the Course: CC Grade Level: 9, 10, 11, 12 Course Description: GRADS is an open entry-open exit class designed to assist pregnant and parenting students in four areas: Positive Self (231), Pregnancy (232), Parenting (233), and Economic Independence (234). A practical reasoning approach is used to address problems/concerns in each area: a strong self concept to help parents in decision-making; prenatal health care, the developing baby, labor and delivery; age appropriate development & guidance of children; job training/skills to support a family. This class is available at the ILC for all pregnant and parenting students. Students from North, East and West may ride the Central Campus bus or provide their own transportation. All 4 courses taught at the same time.</p> <p>CLOTHING SEMINAR (1 Semester) Course Number: 235 Credit: 1 Elective/Required: Elective Prerequisite: None Schools Offering the Course: E, N Grade Level: 9-12 Course Description: This course will allow students to experience clothing from fabric to fashions to retail stores. Students will examine their own wardrobes as they study textiles, clothing purchases, and care of today's fashions. They will learn basic alterations and construct items of clothing for themselves or another person.</p> <p>FUNDAMENTALS OF FOOD (1 Semester) Course Number: 239 Credit: 1 Elective/Required: Elective Prerequisite: None Schools Offering the Course: E, N, W Grade Level: 9-12 Course Description: This is a basic course in food preparation and nutrition. Foods will be prepared from each of the pyramid food groups with emphasis on healthy food choices and quality products. Students will develop skills of food preparation, including principles for sanitation, safety, product standards, table/ meal service and conservation.</p> |
| 231 | Positive Self (GRADS) | 1 | |
| 232 | Pregnancy (GRADS) | 1 | |
| 233 | Parenting (GRADS) | 1 | |
| 234 | Economic Independence (GRADS) | 1 | |
| 235 | Clothing Seminar | 1 | |
| 239 | Fundamentals of Food | 1 | |
| 240 | Culinary Arts | 1 | |
| 241 | Global Foods | 1 | |
| 242 | Food Science Technology | 2 | |
| 245 | Exploring Childhood—Class | 1 | |
| 246 | Exploring Childhood—Field | 1 | |
| 248 | Exploring Parenting | 1 | |
| 252 | Hospitality & Food Industry | 4 | |
| 260 | Design Strategies | 1 | |

CULINARY ARTS (1 Semester)**Course Number:** 240**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W**Grade Level:** 9-12

Course Description: This course takes a new approach to food trends of the 2000's: 1) healthy, appealing and quick food preparation to meet time constraints of people balancing work and family and 2) more advanced skills for a culinary career or gourmet cooking. Students will compare foods using time saving appliances (e.g. bread machine products with those from scratch) and convenience recipes/products with those conventionally prepared (e.g., pastries). Students will develop skills in making breads, pastas, cakes, meats, pastries, candies, and garnishes as they prepare, serve and evaluate meals.

GLOBAL FOODS (1 Semester)**Course Number:** 241**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W**Grade Level:** 9-12

Course Description: This course integrates geographical perspectives with cultural traditions/foods as it provides students with experiences to help them understand diversity within today's mobile society. Students will study and prepare foods typical of the 6 main regions of the United States and various foreign countries as they apply principles of food preparation relative to specific cultures. They will apply computer skills to research and prepare a newspaper and/or travel brochure for a region/country of their choosing. Students also investigate career options.

FOOD SCIENCE TECHNOLOGY (Full Year)**Course Number:** 242**Credit:** 2 (will meet Science graduation requirements)**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W**Grade Level:** 10-12

Course Description: This course will use basic principles of biology and chemistry as the vehicle to investigate concepts of nutrition, food preparation and food processing. It will emphasize hands on laboratory experiences to teach concepts as physical and chemical changes, pH, digestive enzymes, chemical composition of foods, etc. The class is a dual credit class taught by science certified FACS staff or a team of FACS and science staff members.

INDIVIDUALS AND FAMILIES (1 Semester)**Course Number:** 243**Credit:** 1 (will meet Health, Health Science I or Individuals and Families graduation requirement)

Articulation: WITCC (ECE 170 – Child Growth & Development)

Elective/Required: Either**Prerequisite:** None**Schools Offering the Course:** E, N, W, CC**Grade Level:** 9-12

Course Description: This course explores the influences of society on individuals and families. It is designed to assist students to be self-sufficient as related to career and life-management, time and financial management, personal and

professional relationships and health. The class will also examine the decision-making process, communication, problem solving and coping skills as effective tools in balancing the roles of work with individual and family needs.

EXPLORING CHILDHOOD (1 Semester)**Course Number:** 245 and 246**Credits:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W, CC**Grade Level:** 11-12

Course Description: The Exploring Childhood class is designed to help students develop skills in working with young children through hands-on experiences at the pre-school and elementary levels. Students participate at the field site/preschool twice a week for a 2-hour block of time. Students are responsible for providing their own transportation to and from field sites. Skills necessary for working with children, planning and presenting activities, nutrition, and age appropriate discipline/ guidance methods are taught in this course.

Students must sign up for both the class (245) and field site (246)

EXPLORING PARENTING (1 Semester)**Course Number:** 248**Credit:** 1 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W, CC**Grade Level:** 10-12

Course Description: Parenting: it's a choice! This course presents the skills, demands, challenges, and responsibilities of those entering parenthood. It explores the decision-making process and adjustments of parenthood. Emphasis is placed on problem solving, healthy relationships, realities of childcare, balancing work, family, and individual needs, the cost of being a family, healthy pregnancy, and the birthing process. It also explores the physical, social, emotional and intellectual development that occurs from infancy through adolescence, including nutrition, medical and other resources that would foster a safe and nurturing environment.

HOSPITALITY AND FOOD INDUSTRIES (Full Year)**Course Number:** 252**Credits:** 4 Articulation: IWCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering the Course:** E, N, W, CC

Taught at Central Campus

Grade Level: 11, 12

Course Description: This course provides an overview of the hospitality and food industries as it prepares students for entry level (or above) jobs in the food industry OR post-secondary culinary training. Students will learn advanced quantity food preparation techniques, various forms of meal service, production management, and customer relations as they operate the Career Inn restaurant. In addition, students will job shadow and participate in field trips to local food operations.

DESIGN STRATEGIES (1 Semester)

Course Number: 260

Credit: 1 (will meet Fine Arts requirement)

Elective/Required: Elective

Prerequisite: None

Schools Offering the Course: E, N, W

Grade Level: 10, 11, 12

Course Description: This course combines concepts common to both fashion and interior design in a totally new approach. Principles and elements of design common to fashion, interior design, and architecture are studied in this course. Using computer technology, students will create fashions using the Snap Fashion CAD program as well as a Home Architect CAD program to explore interior design and architecture. Students will gain experience with technology; enjoy field trips, and complete group and individual projects.

FINE ARTS COURSES

Total of two credits are required from two different areas – Select from Music,
Visual Arts, Dance, Theatre/Drama or Humanities
Electives of student choice

| COURSE # | NAME | CREDIT |
|----------|--|--------|
| 430 | Harmony I | 1 |
| 431 | Harmony II | 1 |
| 432 | Choir I (North High) | 1 |
| | Magnum Chorum (East High) | 1 |
| | Chamber II (West High) | 1 |
| 433 | Raider Choir (East High) | 1 |
| | Varsity Choir (West High) | 1 |
| 434 | Chamber Choir (East & North High) | 1 |
| | Chamber Choir I (West High) | 1 |
| 435 | Freshman Chorus A (North High) | .5 |
| | Freshman Men's Choir (East High) | .5 |
| | Mixed Chorus (West High) | .5 |
| 436 | Freshman Chorus B (North High) | .5 |
| | Freshman Women's Choir (East High) | .5 |
| 437 | Freshman Chorus C | 1 |
| 438 | Jazz Choir | 1 |
| 439 | Accelerated Strings | 1 |
| 440 | Varsity Band | 1 |
| 441 | Freshman Band | 1 |
| 442 | Orchestra | .5 |
| 444 | Jazz Band | .5 |
| 445 | Jazz Improvisation | 1 |
| 451 | AP Music Theory | 2 |
| 291 | Dramatics (<i>See Language Arts</i>) | 1 |
| 292 | Play Production (<i>See Language Arts</i>) | 1 |
| 299 | Humanities (<i>See Language Arts</i>) | 1 |
| 571 | Introduction to Dance | 1 |
| 101 | Art I—2 Dimensional | 1 |
| 100 | Art I—3 Dimensional | 1 |
| 100 | Art II—2 Dimensional | 2 |
| 101 | Art III—2 Dimensional | 2 |
| 102 | Art IV—2 Dimensional | 2 |
| 103 | Art II—3 Dimensional | 2 |
| 104 | Art III—3 Dimensional | 2 |
| 105 | Art IV—3 Dimensional | 2 |
| 106 | Photography Art | 1 |
| 107 | Leather—1st Semester | 1 |
| | Leather—Full Year | 2 |
| 110 | Fiber Arts—1st Semester | 1 |
| | Fiber Arts—Full Year | 2 |
| 111 | Independent Study—1st Semester | 1 |
| | Independent Study—Full Year | 2 |
| 112 | Exploring Art | .5 |
| 120 | AP Studio Art: Drawing | 2 |
| 2204 | 28E Art Appreciation | 2 |

COURSE DESCRIPTIONS

MUSIC

HARMONY I (1 semester)

Course Number: 430

Credit: 1

Elective/Required: Elective

Prerequisite: Teacher recommendation

Schools Offering Course: E, N, W

Grades: 11, 12

Course Description: This course is a study of the “inner-workings” of music and how it is written. The course content includes construction of scales, intervals, chord formation, chord inversions, writing of melodies and harmonization, as well as dictation and ear training. This course is recommended for the student who may be considering a music major in college.

HARMONY II (1 semester)

Course Number: 431

Credit: 1

Elective/Required: Elective

Prerequisite: Harmony I

Schools Offering Course: E, N, W

Grades: 11, 12

Course Description: This course is a continuation of Harmony I. It will be offered only when there is sufficient demand. This course is recommended for the student who may be considering a music major in college.

CHOIR I – North High School

MAGNUM CHORUM – East High School

CHAMBER II – West High School

Course Number: 432

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Audition

Schools Offering Course: E, N, W

Grades: 10, 11, 12

Course Description: A performing organization with its members chosen through audition for part reading ability, tone, and maturity. Choir meets daily. It offers a challenging vocal music literature and represents the school in public concerts and school performances. Students must have the musical maturity to perform complex literature.

RAIDER CHOIR - East High School

VARSAITY CHOIR - West High School

Course Number: 433

Credit: 1

Elective/Required: Elective

Prerequisite: East High – None, West High - Audition

Schools Offering Course: E, W

Grades: 10, 11, 12

Course Description: Large choral ensemble available for singers between Choir I and Freshman Chorus. This ensemble focuses on part singing; significant literature performed by large groups, and improved rehearsal responsiveness.

CHAMBER CHOIR - East and North High School

CHAMBER CHOIR I - West High School

Course Number: 434

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Audition only

Schools Offering Course: E, N, W

Grades: 10, 11, 12

Course Description: A performing organization with members chosen through audition only. Choir meets everyday. This choral ensemble focuses on choral works that challenge the advanced musician. Students must have the musical maturity to perform this more complex repertoire. Students will be expected to rehearse outside the school day, as well as during the class time.

FRESHMAN CHORUS A – North High School

FRESHMAN MEN’S CHOIR – East High School

MIXED CHORUS – West High School

Course Number: 435

Credit: 0.5 (per semester)

Elective/Required: Elective

Prerequisite: none

Schools Offering Course: E (males only), N, W

Grades: East & North – 9 West – 9-12

Course Description: A performance ensemble available to freshmen at East (males) and North High School and grades 9-12 at West High School, interested in singing. Students will be heard individually for placement in the proper section. This class meets on alternating days and offers students an opportunity to try a performance group. This credit is not figured into the GPA.

FRESHMAN CHORUS B – North High School

FRESHMAN WOMEN’S CHOIR – East High School

Course Number: 436

Credit: 0.5 (per semester)

Elective/Required: Elective

Prerequisite: none

Schools Offering Course: E (females only), N

Grades: 9

Course Description: A performance ensemble available to freshmen interested in singing. Students will be heard individually for placement in the proper section. This class meets on alternating days and offers students an opportunity to try a performance group. This credit is not figured into the GPA.

FRESHMAN CHORUS C

Course Number: 437

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: none

Schools Offering Course: W

Grades: 9

Course Description: A performance ensemble available to freshmen interested in singing. Students will be heard individually for placement in the proper section. This class meets daily and offers students an opportunity to try a performance group.

JAZZ CHOIR

Course Number: 438

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Enrolled in Choir, Audition

Schools Offering Course: W

Grades: 10, 11, 12

Course Description: Jazz choir meets daily. Music reading, listening, and improvisation skills as well as appreciation of jazz music is attained through the study and performance of a wide variety of jazz styles. Course topics include Jazz History as an American Art Form, Improvisation, Jazz Interpretation and Styles, Jazz Music Vocabulary.

ACCELERATED STRINGS

Course Number: 439

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: TAG Identified

Schools Offering Course: E, N, W

Grades: 9, 10, 11, 12

Course Description: Students identified as musically talented and gifted on a stringed instrument using test scores, teacher referral and interview may participate in accelerated string instruction. Students may engage in master classes, special instruction, field trips and other accelerated learning experiences. Students must be enrolled and participate in school orchestra to be considered for the program.

VARSITY BAND

Course Number: 440

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Must have playing knowledge of a band instrument.

Schools Offering Course: E, N, W

Grades: 10, 11, 12

Course Description: Band meets daily. In the fall emphasis is placed on marching band formations for half-time shows at football games and marching band competitions, and music suitable to present these shows. During marching season the ensemble meets before school. There is a Marching Band Camp in August. After the marching season concert band repertoire is rehearsed; pep bands, small ensembles, and soloists are scheduled for instruction and performances. The ensemble emphasizes the study of quality wind and percussion instrumental literature of various styles and historical periods, as well as continued technical development and the refinement of musical skills.

FRESHMAN BAND

Course Number: 441

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Must have playing knowledge of a band instrument.

Schools Offering Course: E, N, W

Grade: 9

Course Descriptions: Meets daily. This unit is organized as an independent band for purpose of developing more skills in instrumental music. During marching season the ensemble meets before school. There is a Marching Band Camp in August. After the marching season, concert band repertoire is rehearsed. Pep bands, small ensembles, and soloists are scheduled for instruction and performances. Emphasis is on building technical performance and music appreciation skills as preparation for Varsity Band.

ORCHESTRA

Course Number: 442

Credit: 0.5 (per semester)

Elective/Required: Elective

Prerequisite: Must have playing knowledge of stringed, wind, or percussion instrument

Schools Offering Course: E, N, W

Grades: 9, 10, 11, 12

Course Description: This ensemble meets alternate days as an early bird at EHS and WHS and during the day at NHS. All string, wind and percussion students are eligible to register. This ensemble emphasizes the study of quality orchestral literature, continued technical development, and the refinement of musical skills.

JAZZ BAND

Course Number: 444

Credit: 0.5 (per semester)

Elective/Required: Elective

Prerequisite: Enrolled in Band or Orchestra, Audition

Schools Offering Course: E, N, W

Grades: 9, 10, 11, 12

Course Description: Jazz Band is open to all brass, percussion and saxophone students, as well as those with an interest in jazz piano, guitar and bass. Music reading, playing, listening, and improvisation skills, as well as appreciation of jazz music are attained through the study and performance of a wide variety of jazz styles. Course topics include Jazz History as an American Art Form, Improvisation, Jazz Interpretation and Styles, and Jazz Music Vocabulary. Jazz Band meets as an early bird or late bird depending on the site, with a minimum of five 1 1/2-hour sessions. This credit is not figured into the GPA.

JAZZ IMPROVISATION

Course Number: 445

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: Must be a member of Varsity, Freshman, or Jazz Band and/or Jazz choir or permission of teacher

Schools Offering Course: E, N, W

Grades: 9, 10, 11, 12

Course Descriptions: Jazz Improvisation will include an intense study of Jazz to include, the study of composers, compositions, and history of jazz. Students will study the styles of various eras and examine components of jazz to include improvisation, chord structure, performance practice, and individual styles of jazz greats.

AP MUSIC THEORY (Full Year)

Course Number: 451

Credit: 2

Elective/Required: Elective

Prerequisite: It is recommended that students have prior training in music (voice or instrumental)

Schools Offering Course: E, N, W

Grades: 11, 12

Course Description: AP Music Theory is designed to provide students with a learning experience equivalent to that of an introductory college course in music theory. The course will develop a student's ability to recognize, understand, describe, and analyze the basic materials and processes of music that are heard or presented in a score. Students are strongly encouraged to take the College Board Advanced placement test at the end of this course. AP Music Theory will prepare the student for the AP Exam.

INTRODUCTION TO DANCE (1 semester)

Course Number: 571

Credit: 1

Elective/Required: Elective (Meets graduation requirement for Fine Arts)

Prerequisite: none

Schools Offering Course: E, N, W

Grades: 9, 10, 11, 12

Course Description: This course will include a written, hands-on, and visual approach to provide students a broad based, appreciation of the nature, value, and meaning of dance.

VISUAL ARTS

ART I 3 Dimensional (1 Semester)

Course Number: 100

Credit: 1

Elective/Required: Elective

Prerequisite: none

Schools Offering Course: E, N, W

Grade Level: 9, 10, 11, 12

Course Description: This one semester course is an introduction to sculpture, pottery, and other media. Computer graphics and design will be integrated throughout the curriculum.

ART I 2 Dimensional (1 Semester)

Course Number: 101

Credit: 1

Elective/Required: Elective

Prerequisite: none

Schools Offering Course: E, N, W, CC

Grade Level: 9, 10, 11, 12

Course Description: This one semester course is an introduction to drawing, painting, printmaking and design. Computer graphics and design will be integrated throughout the curriculum.

ART II 2 Dimensional (Full Year)

Course Number: 102

Credit: 2

Elective/Required: Elective

Prerequisite: Must successfully complete Art I – 2 Dimensional (#101)

Schools Offering Course: E, N, W, CC

Grade Level: 10, 11, 12

Course Description: A wide variety of media and subject matter will be studied in the area of drawing, painting, printmaking, and design. Art History and computer graphics will be integrated throughout the course.

ART III 2 Dimensional (Full Year)

Course Number: 103

Credit: 2

Elective/Required: Elective

Prerequisite: Must successfully complete Art II-2 Dimensional (#102)

Schools Offering Course: E, N, W, CC

Grade Level: 11, 12

Course Description: Commercial art techniques and career exploration are introduced in this course. Advanced fine art experiences in drawing, painting and printmaking are explored, utilizing modern technologies including com-

ART IV 2 Dimensional (Full Year)**Course Number:** 104**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Must successfully complete Art III-2 dimensional (#103)**Schools Offering Course:** E, N, W**Grade Level:** 12**Course Description:** In this course students may specialize in any of the fine art areas. Students are encouraged to use initiative, creativity, imagination, and experimentation in their work with modern technology on individual and specific art problems and assignments.**ART II 3 Dimensional** (Full Year)**Course Number:** 105**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Must successfully complete Art I-3 dimensional (#104)**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** A full year of 3 dimensional art dealing with experiences in ceramics, sculpture, and other media. The emphasis in this course is on skillful and creative use of available materials.**ART III 3 Dimensional** (Full Year)**Course Number:** 106**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Must successfully complete Art II-3 dimensional (#105)**Schools Offering Course:** E, N, W**Grade Level:** 11, 12**Course Description:** This course is a continuation of Art II 3 Dimensional (#105), with new experiences in a variety of materials, including technological experiences.**ART IV 3 Dimensional** (Full Year)**Course Number:** 107**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Must successfully complete Art III-3 dimensional (#106)**Schools Offering Course:** E, N, W**Grade Level:** 12**Course Description:** A 3-D art course in which students may specialize in their areas of greatest interest and use initiative, creativity and experimentation to work on special projects and assignments.**PHOTOGRAPHY ART** (1 Semester)**Course Number:** 108**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Required completion of Art I-2 Dimensional**Schools Offering Course:** E, N, W**Grade Level:** 10 with Art Instructor approval, 11, 12**Course Description:** This is a one-semester course dealing with photography, film and digital as an art form. Basic camera usage and darkroom experiences are a part of this course. Emphasis will be on the principles and elements of design in photography incorporating the computer and other technology to reproduce and alter student images.**LEATHER** (1 or Full Year)**Course Number:** 109**Credit:** 1 (per semester)**Elective/Required:** Elective**Prerequisite:** none for 1st semester; completion of 1st semester before enrollment in second semester**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** This course is a study of leather with emphasis placed on leather carving. Students will creatively approach advanced techniques in swivel knife cutting and beveling. New products for dyeing and finishing variations will be introduced. Techniques in stitching and assembly will be explored. The student will explore new techniques as well as concentrate in the areas of creativity. The course work will be developed by the use of a text, lesson sheets, and supplemental audiovisual materials.**FIBER ARTS** (1 or Full Year)**Course Number:** 110**Credit:** 1 (per semester)**Elective/Required:** Elective**Prerequisite:** none for 1st semester; completion of 1st semester before enrollment in second semester**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** The study of general fiber, needle art design. The course is offered as an open contract with both required and student elected art projects.**INDEPENDENT STUDY** (1 or Full Year)**Course Number:** 111**Credit:** 1 (per semester)**Elective/Required:** Elective**Prerequisite:** successful completion of at least one credit in Art at ILC and approval of instructor**Schools Offering Course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** Remedial or advanced work beyond normal course offerings. Work is planned and contracted for by the student and instructor.**EXPLORING ART****Course Number:** 112**Credit:** 0.5 (1 Semester)**Elective/Required:** Elective**Prerequisite:** none**Schools offering course:** CC**Grade Level:** 9, 10, 11, 12**Course Description:** An introductory course for students needing a one-half of a full credit course. The course offers students an opportunity to explore art in a non-threatening format with a limited commitment. Exploration of media is in packet form. Lessons involve drawing aids, direct observation, shading, and geometric design. Art history is studied through reading materials, workbooks, and audiovisuals.

AP STUDIO ART: DRAWING (Full Year)**Course Number:** 120**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Must successfully complete Art II-2 Dimensional # 102 and/or have Visual Art Teacher Approval**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Students will develop mastery of concept, composition, and execution of their personal ideas and themes. Through direct teacher instruction, emphasis will be placed on the production of a volume of quality pieces of art work. Students will be expected to develop a comprehensive portfolio that addresses: Breadth, Concentration and Quality. AP Studio Art: Drawing will prepare the student for the AP Exam.

28E ART APPRECIATION**Course Number:** 2204**Credit:** 1 (1 semester) Meets Fine Arts Requirement

28E Credit: WITCC

Elective/Required: Elective**Prerequisite:** None**Schools Offering Course:** W**Grade Level:** 11, 12

Course Description: Art Appreciation explores the creative process emphasizing art as a visual form of communication. This course presents useful criteria for evaluation and enjoyment of art through the development of visual vocabulary and knowledge of art processes, as well as art in a historical context.

FOREIGN LANGUAGES COURSES

| COURSE # | NAME | CREDIT | COURSE DESCRIPTIONS |
|----------|-------------|--------|---|
| 210 | French I | 2 | <p>FRENCH I (Full Year) Course Number: 210 Credit: 2 Elective/Required: Elective Prerequisite: None Schools Offering Course: E, N, W Grade Level: 9, 10, 11, 12 Course Description: First year French uses a conversational approach to introduce the French-speaking world. The main objective of the course is to develop the student's skills in listening comprehension, speaking, reading, and writing. Emphasis is placed on learning vocabulary and structure, which is useful in describing situations in his/her everyday life. Class is conducted so that each student uses French orally through pair and group work and also in reading and writing. Successful completion of French I would enable the student to carry on simple conversations and to read and write French within reasonable limits. Videos and recordings are used extensively to expose students to native speakers of the language and to cultural aspects of the French-speaking countries.</p> <p>FRENCH II (Full Year) Course Number: 211 Credit: 2 Elective/Required: Elective Prerequisite: Successful Completion of French I Schools Offering Course: E, N, W Grade Level: 10, 11, 12 Course Description: French II is a continuation of French I. Its goal is to maintain and improve the skills acquired in first year French with a continued emphasis on listening comprehension, speaking, reading, and writing. Conversational skills are expanded through additional study of structures and vocabulary. By the end of the second year, the student should be able to express him/herself on a simple level about a wide variety of topics. Videos and recordings continue to be used extensively to expose students to native speakers of the language and to cultural aspects of the French-speaking countries.</p> <p>FRENCH III (Full Year) Course Number: 212 Credit: 2 Elective/Required: Elective Prerequisite: Successful Completion of French II Schools Offering Course: E, N, W Grade Level: 11, 12 Course Description: Students in French III learn advanced conversational techniques and build upon the basic knowledge gained in French I and French II. Students gain fluency and knowledge of French speaking countries. There is an emphasis on the ability to sustain conversations and interact socially in French. Class is conducted in French as often as feasible. Reading and writing play an increasingly larger role in the third year. Culture and pronunciation are explored and modeled through film and other media.</p> |
| 211 | French II | 2 | |
| 212 | French III | 2 | |
| 213 | French IV | 2 | |
| 215 | Spanish I | 2 | |
| 216 | Spanish II | 2 | |
| 217 | Spanish III | 2 | |
| 218 | Spanish IV | 2 | |
| 219 | Spanish V | 2 | |

FRENCH IV (Full Year)**Course Number:** 213**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful Completion of French III**Schools Offering Course:** E, N, W**Grade Level:** 12

Course Description: French IV provides a review and extension of material previously studied. Students learn to improve both written and verbal communication. The course is designed to enhance the students' enjoyment of and ability to use French. The course includes such units as film, literature, art, philosophy, history, travel, civilization, and daily living. The class is conducted as much as possible in French.

SPANISH I (Full Year)**Course Number:** 215**Credit:** 2**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W, All Middle Schools**Grade Level:** 8, 9, 10, 11, 12

Course Description: First year Spanish uses a conversational approach to introduce the Spanish-speaking world. The main objective of the course is to develop the student's skills in listening comprehension, speaking, reading, and writing. Emphasis is placed on learning vocabulary and structure, which is useful in describing situations in his/her everyday life. Class is conducted so that each student uses Spanish orally through pair and group work and also in reading and writing. Successful completion of Spanish I would enable the student to carry on simple conversations and to read and write Spanish within reasonable limits. Videos and recordings are used extensively to expose students to native speakers of the language and to cultural aspects of the Spanish-speaking countries.

SPANISH II (Full Year)**Course Number:** 216**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful Completion of Spanish I**Schools Offering Course:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: Spanish II is a continuation of Spanish I. Its goal is to maintain and improve the skills acquired in first year Spanish with a continued emphasis on listening comprehension, speaking, reading, and writing. Conversational skills are expanded through additional study of structures and vocabulary. By the end of the second year, the student should be able to express him/herself on a simple level about a wide variety of topics. Videos and recordings continue to be used extensively to expose students to native speakers of the language and to cultural aspects of the Spanish-speaking countries.

SPANISH III (Full Year)**Course Number:** 217**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful Completion of Spanish II**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: Students in Spanish III learn advanced conversational techniques and build upon the basic knowledge gained in Spanish I and Spanish II. Fluency and knowledge of Spanish speaking countries continues to develop. There is an emphasis on the ability to sustain conversations and interact socially in Spanish. Class is conducted in Spanish as often as feasible. Reading and writing play an increasingly larger role in the third year. Culture and pronunciation are explored and modeled through film and other media.

SPANISH IV (Full Year)**Course Number:** 218**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful Completion of Spanish III**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Spanish IV provides a review and extension of material previously studied. Students learn to improve both written and verbal communication. The course is designed to enhance the students' enjoyment of and ability to use Spanish. The course includes such units as film, literature, art, philosophy, history, travel, civilization, and daily living. The class is conducted as much as possible in Spanish.

SPANISH V (Full Year)**Course Number:** 219**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Successful Completion of Spanish IV**Schools Offering Course:** E, N, W**Grade Level:** 12

Course Description: Spanish V continues to develop a student's ability to listen, speak, read and write in Spanish. The Spanish language continues to be used as a vehicle for the study of film, literature, art, philosophy, history, travel, civilization, and daily living. Spanish is used in class extensively.

INDUSTRIAL/VOCATIONAL TECHNOLOGY COURSES

| COURSE # | NAME | CREDIT | COURSE DESCRIPTIONS |
|----------|------------------------------------|--------|---|
| 160 | Industrial Arts Technology | 2 | INDUSTRIAL ARTS TECHNOLOGY (Full Year) Course Number: 160 Credit: 2 (per year) Elective/Required: Elective Prerequisite: None Schools Offering Course: E, N, W Grade Level: 9, 10 Course Description: This course is designed to provide the student with basic instruction in four (4) areas of industrial education. Students will spend nine weeks in each of the following areas of study: drafting principles, metals/welding, power mechanics and basic electronics. (West High School will substitute construction for the metals/welding.) |
| 161 | Construction Academy I | 2 | CONSTRUCTION ACADEMY I (Full Year) Course Number: 161 Credit: 2 Elective/Required: Elective Prerequisite: None Schools Offering Course: W Grade Level: 10, 11, 12 Course Description: This course is a combination of Industrial Arts Technology (160) and Drafting Fundamentals (163). This course is offered at West High School only. |
| 163 | Drafting Fundamentals | 2 | DRAFTING FUNDAMENTALS (Full Year) Course Number: 163 Credit: 2 (per year) Articulation AND/OR 28E credit: WITCC Elective/Required: Elective Prerequisite: Industrial Technology #160 recommended Schools Offering Course: E, N, W Grade Level: 10, 11, 12 Course Description: This is an introductory course for students in the techniques of technical drawing. This course serves a general education purpose that helps students develop their capacity to analyze, organize and accurately express them graphically. It also serves a preparatory function for students who wish to prepare themselves for gainful employment in drafting or plan to continue their education in engineering or Technical/trade School. An introduction to Computer Aided Design (CAD) is included. |
| 164 | Intro to CAD / Machine Draft | 2 | |
| 165 | Architectural Drafting | 2 | |
| 166 | Introduction to Engineering Design | 2 | |
| 177 | Digital Electronics | 2 | |
| 167 | Principles of Engineering | 2 | |
| 170 | Power Mechanics | 2 | |
| 172 | Metals Technology I | 2 | |
| 173 | Metals Technology II | 2 | |
| 175 | Basic Electrical Theory | 2 | |
| 176 | Electronics II | 2 | |
| 178 | Welding / Machine Technology | 3 | |
| 180 | Woodworking | 3 | |
| 183 | Graphic Arts | 3 | |
| 186 | Vocational Auto Technician | 6 | |
| 188 | Auto Body Repair | 3 | |
| 193 | Auto Body II | 3 | |
| 365 | Principles of Physics | 2 | |
| 563 | Micro Computer Systems A+ | 2 | |

INTRO TO CAD/MACHINE DRAFT (Full Year)**Course Number:** 164**Credit:** 2 (per year) Articulation AND/OR 28E credit: WITCC**Elective/Required:** Elective**Prerequisite:** Drafting Fundamentals #163**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: This course is for students who have special interests and an aptitude in drafting. Because the standards of workmanship required are equal to those of industry, students are expected to develop careful and precise work habits. Technical vocabulary and related mathematical processes are made an integral part of this course. Effective planning, graphical expression and functional designs required for careers related to engineering are developed in the course.

ARCHITECTURAL DRAFTING (Full Year)**Course Number:** 165**Credit:** 2 (per year)**Elective/Required:** Elective**Prerequisite:** Drafting Fundamentals #163**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Provides basic instruction in preparing architectural working drawings. The student learns to design and draw plans needed to construct a residential dwelling. Students will develop the necessary technical skills, which will enable them to communicate and express architectural ideas in an understandable, efficient and accurate manner. The Computer Aided Drafting (CAD) system is used in the course.

INTRODUCTION TO ENGINEERING DESIGN (Full Year)**Course Number:** 166**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Algebra**Schools Offering Course:** E, N, W**Grade Level:** 9 – 12

Course Description: This course introduces students to the engineering design process and to graphical communication by means of sketches and computer aided drafting (CAD) techniques. Content is presented in the context of real life design projects. Topics covered include problem formulation, brainstorming, conceptual design, elementary technical and economic analysis, drawing layouts, projections, steel, concrete, mechanical, road, geotechnical, schematic and pictorial drawings.

DIGITAL ELECTRONICS (Full Year)**Course Number:** 177**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Principles of Engineering or Introduction to Engineering Design**Schools Offering Course:** E, N, W**Grade Level:** 10 – 12

Course Description: Students use computer simulation to learn about the logic of electronics as they design, test, and actually construct circuits and devices.

PRINCIPLES OF ENGINEERING (Full Year)**Course Number:** 167**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Algebra**Schools Offering Course:** E, N, W**Grade Level:** 9 – 12

Course Description: This course helps students to understand the field of engineering / engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

POWER MECHANICS (Full Year)**Course Number:** 170**Credit:** 2 (per year) Articulation: WITCC (AGB 1245 Intro to Ag Mechanics)**Elective/Required:** Elective**Prerequisite:** 10th grade – Ind. Arts Tech. #160 successfully completed; 11th and 12th grade - None**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This is a one-year course designed to give the student practical knowledge and skills in maintenance and service of small gas and automotive type engines. Career opportunities will be investigated in small gas and automotive engine repair. Troubleshooting and assembling of small gas and automotive engines will be practiced in the lab.

METALS TECHNOLOGY I (Full Year)**Course Number:** 172**Credit:** 2 (per year) Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Industrial Technology #160 recommended**Schools Offering Course:** E, N**Grade Level:** 10, 11, 12

Course Description: This course includes study of the three cold metals areas; machine shop, sheet metal, and bench metal plus two hot metals areas; welding and foundry/heat treating. The student has an opportunity to develop their abilities in metal working as well as understanding their relationship to our technical society. Activities will include various student-designed projects, which will reflect on one, or more of the major areas of study listed above. Cost to the student will depend on the projects completed.

METALS TECHNOLOGY II (Full Year)**Course Number:** 173**Credit:** 2 (per year) Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Metals Technology I #172**Schools Offering Course:** E, N**Grade Level:** 11, 12

Course Description: A continuation of Metals Technology I by broadening the knowledge and skills the student already has developed. The course includes more in-depth study of welding, foundry, machine shop, sheet metal, and bench metal. Building projects of student design using all areas of the lab is part of the course. Cost to the student will depend on the projects completed.

BASIC ELECTRICAL THEORY (Full Year)**Course Number:** 175**Credit:** 2 (per year) 28E Credit Available: Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Industrial Arts Technology #160 recommended**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This course will introduce the student to the most common electronic components: resistors, capacitors, transformers, diodes, and transistors. Use of test equipment such as VOM meters, oscilloscopes and other testing equipment will be covered, along with ohms law, series and parallel circuit concepts will be explored. Building a project is part of the course. This course may be used to satisfy two (2) credits in science or math towards graduation requirements! Cost to the student will depend on projects completed.

ELECTRONICS II (Full Year)**Course Number:** 176**Credit:** 2 (per year)**Elective/Required:** Elective**Prerequisite:** Basic Electrical Theory #175 and Algebra I or higher level math**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: A continuation of Electronics I with an emphasis on solid-state circuits and digital logic using transistors, microchips and integrated circuits such as those found in computers. Building electronic systems as projects is part of the course. Cost to the student will depend on projects completed.

WELDING / MACHINE TECHNOLOGY (Full Year)**Course Number:** 178**Credit:** 3 (per year) 28E course: WITCC**Elective/Required:** Elective**Prerequisite:** Metals Technology I #172 recommended**Schools Offering Course:** Central Campus**Grade Level:** 11, 12

Course Description: This course engages students in a variety of welding and cutting processes, as well as offering them opportunities to explore other industrial metal fabrication methods. The students will work with welding processes which include shielded metal arc welding (SMAW), metal inert gas (MIG), oxyfuel (OFW), tungsten inert gas (TIG), and brazing (TB). Cutting processes include oxyfuel cutting, plasma cutting, ironworker, and several types of saws. For project construction or enrichment activities, other machine shop equipment may be utilized like metal lathes, sheet metal machines, drill presses, and a computer numerical control (CNC) machine. Skills and competencies gained in this course are related to industry standards. Cost to the student will depend on the projects completed. This class is a shared program with Western Iowa Tech Community College. Therefore, the attendance policy of 88% will be in place. Students with less than 88% attendance will be placed on a failing status.

WOODWORKING (Full Year)**Course Number:** 180**Credit:** 3 (per year)**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** Central Campus**Grade Level:** 10, 11, 12

Course Description: This course includes use of power woodworking machines, table saw, radial arm saw, band saw, jointer, surface, sander (s), lathe, and others. Different kinds of woods, wood products, best uses of wood and the selection/application of wood finishes are studied. The operations listed are incorporated into the construction of worthwhile take home projects. This course is recommended for entry into the higher-level vocational carpentry. Cost to the student will depend on the project (s) completed and may total over \$100.00.

GRAPHIC ARTS (Full Year)

Meets Fine Arts requirement

Course Number: 183**Credit:** 3 (per year) 28E credit**Elective/Required:** Elective**Prerequisite:** basic computer skills *recommended***Schools Offering Course:** Central Campus**Grade Level:** 10, 11, 12

Course Description: Students are introduced to photography, silk screening, and printing processes. The students learn how to transform their ideas from mental images into take home projects. Some of the learned processes include; design and layout considerations, desktop publishing w/ PageMaker, offset printing machines, 35 mm camera operations, darkroom procedures, Macintosh computer manipulations and paper finishing techniques. This course is recommended for entry into the higher level Vocational Graphic Communications class. Cost to the student will depend on project (s) completed. This class is a shared program with Western Iowa Tech Community College. Therefore, the attendance policy of 88% will be in place. Students with less than 88% attendance will be placed on a failing status.

VOCATIONAL AUTO TECHNICIAN (Full Year)**Course Number:** 186**Credit:** 6 (per year) Articulation AND/OR 28E credit: WITCC**Elective/Required:** Elective**Prerequisite:** Power Mechanics #170 recommended.**Schools Offering Course:** Central Campus**Grade Level:** 12

Course Description: This class is designed to advance student knowledge and ability for automotive repair. Students will be encouraged to repair their own vehicles and those of others. Areas of study will include engine rebuilding, brakes, suspension systems, on board computer trouble shooting, and transmission/drive line repairs. This is a very "hands on" class facilitated in a modern auto setup. This class is a shared program with Western Iowa Tech Community College. Therefore, the attendance policy of 88% will be in place. Students with less than 88% attendance will be placed on a failing status.

AUTO BODY REPAIR (Full Year)**Course Number:** 188**Credit:** 3(per year) Articulation: WITCC and/or 28E credit:
WITCC**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** Central Campus**Grade Level:** 11, 12

Course Description: This course is intended to introduce students to the basic ideas and operations of auto body repair. It includes metal straightening, welding, and painting through the use of hand and tool operations using modern equipment. To participant in the class, the student must furnish their own safety glasses, earplugs and several dusk masks. The cost of student furnished supplies will be approximately \$25.00. After the first nine weeks every student must bring in a project to work on (for the rest of the year) these could mean working on several smaller projects or one large project. Students could end up spending \$300.00 or more on their project(s). The students must furnish a wrecked fender that a body shop will donate to you for the program. This class is a shared program with Western Iowa Tech Community College. Therefore, the attendance policy of 88% will be in place. Students with less than 88% attendance will be placed on a failing status.

AUTO BODY II (Full Year)**Course Number:** 193**Credit:** 3 (per year)**Elective/Required:** Elective**Prerequisite:** Auto Body Repair #188**Schools Offering Course:** Central Campus**Grade Level:** 12

Course Description: Auto Body II is an advanced study in Auto Body Repair. New material will be covered by the building on Auto Body 1 foundations. This new material will include plastic repair, body and structural alignment, electrical, custom painting, mechanical component repair, estimating and career opportunities. This class is designed for the student that is thinking of going to a post secondary education institution to gain job entry-level skills.

To participate in the class, the student must furnish their own safety glasses, earplugs and several dusk marks. The cost of student furnished supplies will be approximately \$25.00

Every student must bring in a project to work on. These could mean working on several smaller projects or one large project. Students could end up spending \$300.00 or more on their project(s). This class is a shared program with Western Iowa Tech Community College. Therefore, the attendance policy of 88% will be in place. Students with less than 88% attendance will be placed on a failing status.

PRINCIPLES OF PHYSICS (Full Year)**Course Number:** 365**Credit:** 2 (per year) Dual Credit Available,
Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Pre-Algebra or higher-level math**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This course teaches basic physics concepts in the context of how they relate to four (4) energy systems (mechanical, fluid, electrical, and thermal). This course gives students a broad understanding of physics principles in an investigative laboratory program. Students planning 2-4 year college programs or those entering tech-

nology training will find this course will help them prepare for the high technology of the future. *This course may be used to satisfy two (2) credits in science or math towards graduation requirements.* This course meets the requirements for college admission.

MICRO COMPUTER SYSTEMS A+ (Full Year)**Course Number:** 563**Credit:** 2 (per year) 28E Credit**Elective/Required:** Elective**Prerequisite:** Permission of counselor and technology department**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: This two semester course is designed to allow the advanced student to explore microcomputer system architecture, language and operating systems. The coursework is divided equally in a lecture-discussion & hands-on-laboratory format. Emphasis is placed on troubleshooting PC hardware, software and peripherals. As a culmination to each semester, the student is expected to meet the requirements for accreditation as an A+ certified PC repair technician. A strong algebra and math background is recommended for this course.

LANGUAGE ARTS

| Course # | Course Name | Credit | Requirements Met | | | Prerequisite | Grade | Schools |
|------------------|-------------------------------------|-----------------------------------|------------------|----------------|------------------|---|---------|-------------|
| | | | Graduation | Post Secondary | General Elective | | | |
| Required | | | | | | | | |
| 271 | Select one based on prerequisite | English I | 2 | X | X | None | 9 | E, N, W, CC |
| 270 | | Honors English I | 2 | X | X | * SEE HONORS PATH BELOW | 9 | E, N, W |
| 274 | Select one based on prerequisite | English II | 2 | X | X | English I | 10 | E, N, W, CC |
| 273 | | Honors English II | 2 | X | X | Honors English I | 10 | E, N, W |
| 277 | Select one based on prerequisite | English III | 2 | X | X | English II | 11 | E, N, W, CC |
| 285 | | Global Literature and Composition | 2 | X | X | English II or Teacher Recommendation | 11 - 12 | E, N, W |
| Electives | | | | | | | | |
| 279 | English IV | 2 | X | X | | English III or Global Lit and Composition | 12 | E, N, W, CC |
| 276 | AP English Lit & Composition | 2 | X | X | | Global Lit & Comp or English III w/teacher recommend. | 12 | E, N, W |
| 280 | Writing Support I | 1 | | | X | Identified/Teacher recommendation | 9 | E, N, W, CC |
| 281 | Language Arts Support I | 2 | X | | | Identified | 9 | E, N, W, CC |
| 282 | Language Arts Support II | 2 | X | | | Teacher Recommendation | 10 | E, N, W, CC |
| 283 | Procedural/Technical Writing | 1 | | | X | English III | 12 | E, N, W, CC |
| 293 | Advanced Speech | 1 | | | X | English II | 11 - 12 | E, N, W |
| 295 | Debate | 1 | | | X | None | 9 - 12 | E, N, W |
| 299 | Humanities | 1 | | | Fine Arts | None | 11 - 12 | E, N, W |
| 298 | Mass Communications | 2 | | | X | English I | 10 - 12 | E, N, W |
| 291 | Drama | 1 | | | Fine Arts | None | 11 - 12 | E, N, W |
| 307 | Yearbook | 2 | | | X | None | 10 - 12 | E, N, W |
| 292 | Play Production | 1 | | | Fine Arts | None | 11 - 12 | E, N, W |
| 2417 | OLAP English Language & Composition | 2 | X | X | | Grade of B in most recent English course | 11 - 12 | E, N, W |
| 2212 | 28E English Composition I | 1 | X | X | | English III or Global Lit and Composition | 12 | E, N |
| 2213 | 28E English Composition II | 1 | X | X | | 28E English Composition I | 12 | E, N |

* **Honors Path:** TAG identified or 90%ile on ITBS NPR Rdg. Total and A in previous semester Language Arts Course will automatically be registered in Honors Path. Other 8th grade students may petition into the class with submission of a writing sample generated during a district writing session in January.

LANGUAGE ARTS

COURSE DESCRIPTIONS

English I (Full Year)

Course Number: 271

Credit: 2

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 9

Course Description: Students in English I explore the ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for purposes of personal expression, students also engage in meaningful communication for expository, persuasive, and literary purposes. Students will also use some technical writing and research skills. Writing instruction will include process and structure based on fiction and nonfiction.

HONORS ENGLISH I (Full Year)

Course Number: 270

Credit: 2

Elective/Required: Required

Prerequisite: TAG identified or A on previous semester of LA w/90%ile ITBS NPR Rdg. Total will automatically be registered in Honors Path. Other 8th grade students may petition into the class with submission of a writing sample generated during a district writing session in January.

Schools Offering Course: E, N, W

Grade Level: 9

Course Description: Honors English I is a compacted course that covers the ninth and tenth grade English curriculum. Students in will explore literature more widely and deeply, including more challenging and/or complete texts. The honors English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Honors courses will require students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators. Higher level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology. For students not previously TAG identified, counselors/teachers may initiate the referral process and the TAG department will complete a case study to determine placement.

English II (Full Year)

Course Number: 274

Credit: 2

Elective/Required: Required

Prerequisite: English I

Schools Offering Course: E, N, W, CC

Grade Level: 10

Course Description: Students in English II read, discuss, and write about both classical and contemporary literature through which students will identify cultural significance. They will examine pieces of literature in a cultural context to appreciate the diversity and complexity of world issues and to connect global ideas to their own experiences. Students will continue to explore language for expressive, informative, critical, persuasive and literary purposes, although

emphasis will be placed on informative texts and technical writing.

HONORS ENGLISH II (Full Year)

Course Number: 273

Credit: 2 (per year)

Elective/Required: Required

Prerequisite: Honors English I

Schools Offering Course: E, N, W, CC

Grade Level: 10

Course Description: Honors English II will explore American literature more widely and deeply, including more challenging and/or complete texts. The honors English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Honors courses will require students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators. Higher level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology.

English III (Full Year)

Course Number: 277

Credit: 2

Elective/Required: Required (may be replaced with Global Lit. and Comp. by teacher recommendation)

Prerequisite: English II

Schools Offering Course: E, N, W, CC

Grade Level: 11

Course Description: Students in English III analyze United States literature as it reflects social perspective and historical significance by continuing to use language for expressive, informative, persuasive, and literary purposes. The emphasis in English III is critical analysis of fiction and non-fiction texts through reading, writing, speaking, listening, and using media.

GLOBAL LITERATURE AND COMPOSITION (Full Year)

Course Number: 285

Credit: 2

Elective/Required: Elective (requires teacher recommendation)

Prerequisite: English III or Honors Eng II

Schools Offering Course: E, N, W, CC

Grade Level: 11, 12

Course Description: A combination of World Literature and British Literature is studied with emphasis on translation and culture through various genres. Reading and responding to the literature will be practiced in various forms such as essays, journals, research, and analysis of selections. This is a preparation course for juniors who will be taking AP English their senior year, and those students who are teacher recommended based on mastery of skills in previous English classes.

English IV (Full Year)**Course Number:** 279**Credit:** 2**Elective/Required:** Elective**Prerequisite:** English III or Global Lit and Comp**Schools Offering Course:** E, N, W, CC**Grade Level:** 12

Course Description: Students in English IV will integrate all the language arts skills gained throughout their education. The curriculum both affirms these skills and equips the students to be life-long learners. Students continue to explore expressive, informative, and critical contexts through contemporary literature. The emphasis in English IV is on argumentation by developing a position of advocacy through reading, writing, speaking, listening, and using media.

AP ENGLISH LITERATURE AND COMPOSITION (Full Year)**Course Number:** 276**Credit:** 2**Elective/Required:** Elective (requires teacher recommendation)**Prerequisite:** Global Lit. and Comp. or English III with teacher recommendation**Schools Offering Course:** E, N, W**Grade Level:** 12

Course Description: AP English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The curriculum places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. AP English Literature and Composition prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

WRITING SUPPORT I (1 Semester)**Course Number:** 280**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None (Enrollment in this class is based on 8th grade teacher and counselor recommendation.)**Schools Offering Course:** E, N, W, CC**Grade Level:** 9

Course Description: This class focuses on modeled, effective writing strategies. Pre-assessment and differentiated instruction provides a classroom structure that supports time, choice, response, and goal-setting. Students work to improve their writing skills through various elements of the writing process. The writing strategies learned in this class will help the student to master the basic skills of the English I curriculum.

LANGUAGE ARTS SUPPORT I (Full Year)**Course Number:** 281**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Identified**Schools Offering Course:** E, W, N, CC**Grade Level:** 9

Course Description: This course provides instruction in basic language skills, integrating reading, writing, speaking, and listening while placing emphasis on individual stu-

dent progress. Emphasis is placed on reading a wide range of self-selected fiction and nonfiction, as well as vocabulary, fluency, and comprehension strategies. Students are engaged in small group learning or individual instruction with the teacher. Students will be actively involved in book choice, goal-setting and self-monitoring as they accelerate the level at which they read. Students are identified by reading proficiency levels on ITBS and BRI. This course provides identified students with an opportunity to read more efficiently in order to progress at a steady rate through high school.

LANGUAGE ARTS SUPPORT II (Full Year)**Course Number:** 282**Credit:** 2**Elective/Required:** Identified**Prerequisite:** English I (Enrollment in this class is based on teacher and counselor recommendation.)**Schools Offering Course:** E, N, W, CC**Grade Level:** 10

Course Description: This class focuses on modeled, effective reading and writing strategies taught through explicit instruction. Instruction integrates reading, writing, speaking and listening. Pre-assessment and differentiated instruction provides a classroom structure that supports time, choice, response, and goal-setting. Students work to improve their reading and writing skills, develop cognitive comprehension and vocabulary strategies, recognize text structures, increase fluency, and conference about independent reading. The strategies learned in this class will help the student to master the basic skills of the English II curriculum.

PROCEDURAL and TECHNICAL WRITING (1 Semester)**Course Number:** 283**Credit:** 1**Elective/Required:** Elective**Prerequisite:** English III**Schools Offering Course:** E, N, W, CC**Grade Level:** 12

Course Description: Procedural and Technical Writing focuses on the research skills and strategies that students use to prepare technical presentations using graphics, essays, and multimedia. The emphasis of the class will be on the organizational structures and features of procedural, informative, and persuasive writing.

ADVANCED SPEECH (1 Semester)**Course Number:** 293**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Following the guidelines of the Iowa High School Speech Association, students will practice and develop individual and large group communication skills. The course will provide opportunities for students to research, write, present, and critique original speeches and presentations for various audiences. Students will be encouraged to participate in extracurricular competitive IHSSA contests. Students will complete the course with an increased self-confidence in public speaking, and verbal communication skills.

DEBATE (1 Semester)**Course Number:** 295**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: This course teaches techniques of research and debate through both writing and speaking. Logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body are developed. Participation in competition is required.

HUMANITIES (1 Semester)**Course Number:** 299**Credit:** 1**Elective/Required:** Fine Arts Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Humanities presents a chronological examination of the great ideas of man in the arts, music, literature, film, and philosophy of various cultures. This course specializes in philosophies of various cultures and relates these studies to students' lives.

MASS COMMUNICATIONS (Full Year)**Course Number:** 298**Credit:** 2**Elective/Required:** Elective**Prerequisite:** English I**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This course gives students an opportunity to explore and research both print and non-print media. The class examines the history of journalism, journalism and law, newspapers, advertising, and television and films. In addition, students will focus on propaganda techniques and their effects on consumers. Students will learn specialized writing skills in researching, organizing, and writing in a persuasive or technical style on given topics. Emphasis is placed on publishing a school newspaper.

PLAY PRODUCTION (1 Semester)**Course Number:** 292**Credit:** 1**Elective/Required:** Fine Arts Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Play production focuses on the detailed aspects of preparing and executing a successful production. Tasks include, but are not limited to, exploring the theatre process, various genres, and opposing criticisms. Students will experience multiple theatrical techniques such as costuming, set design and construction, lighting and sound, directing, acting, and play promotion.

DRAMA (1 Semester)**Course Number:** 291**Credit:** 1**Elective/Required:** Fine Arts Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Dramatics is a course open to students who are interested in a beginning class in the performing arts. Emphasis is on the fundamentals of acting, which will include various types of dramatic literature, history of theatre, and performance, as well as the basics of technical theatre. Improvisation, mime, and acting are the primary performance elements.

YEARBOOK (2 Semesters)**Course Number:** 307**Credit:** 2**Elective/Required:** Business Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12 (Grade 9 with teacher approval)

Course Description: The yearbook staff produces the school yearbook. Photography, advertising, layout and design, as well as an interest in interviewing and writing are necessary ingredients for students electing this course. This class focuses on modeled, effective writing strategies. Pre-assessment and differentiated instruction provides a classroom structure that supports time, choice, response, and goal-setting. Students work to improve their writing skills through various elements of the writing process. The writing strategies learned in this class will help the student to master the basic skills of the English I curriculum.

OLAP ENGLISH LANGUAGE and COMPOSITION

(Online)

Course Number: 2417**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Grade of B in most recent English course**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12

Course Description: In OLAP English Language and Composition, students learn to understand and analyze complex styles of writing by reading works from a variety of authors. They'll explore the richness of language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to a breadth of academic, personal, and professional contexts. OLAP English Language and Composition prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

28E ENGLISH COMPOSITION I (1st Semester)**Course Number:** 2212**Credit:** 1**Elective/Required:** Elective**Prerequisite:** English III or Global Lit & Comp**Grade Level:** 12**Schools Offering Course:** E, N

Course Description: 28E Composition I is a dual credit class offered in the high school building through WITCC. It is an exploration of writing as a process with attention to audience, purpose, and patterns of exposition. Students will write a variety of essays, including timed essays. The course will also deepen the students' understanding of MLA form, grammatical errors often made in college writing, and reading for understanding.

28E ENGLISH COMPOSITION II (2nd Semester)**Course Number:** 2213**Credit:** 1**Elective/Required:** Elective**Prerequisite:** 28E English Comp I**Grade Level:** 12**Schools Offering Course:** E, N

Course Description: This course is a continuation of 28E English Composition I, with an emphasis on developing more complex and sophisticated forms of expression. Students will use higher level thinking skills to focus on persuasive writing, including a research paper.

MATHEMATICS

| COURSE # | Name | Credit |
|-----------------|--|---------------|
| 342 | Pre-Algebra A | 2 |
| 343 | Pre-Algebra B | 2 |
| 322 | Pre-Algebra | 2 |
| 344 | Algebra 1 A | 2 |
| 345 | Algebra 1 B | 2 |
| 324 | Algebra 1 | 2 |
| 321 | Consumer Mathematics | 2 |
| 326 | Geometry | 2 |
| 328 | Algebra II | 2 |
| 330 | Trigonometry | 1 |
| 331 | Advanced Mathematics Topics | 1 |
| 338 | Business Math | 2 |
| 365 | Principles of Physics | 2 |
| 122 | Accounting I (See Bus. Ed for description) | 2 |
| 2219 | Calculus I | 2 |
| 2413 | OLAP Calculus AB | 2 |
| 2416 | OLAP Statistics | 2 |

COURSE DESCRIPTIONS

CONSUMER MATHEMATICS (Full Year)

Course Number: 321

Credit: 2

Elective/Required: Elective

Prerequisite: Pre-Algebra

Schools Offering Course: E, N, W, CC

Grade Level: 10, 11, 12

Course Description: This course is consumer oriented in content. Fundamental concepts of arithmetic are an integral part of the course. Consumer Mathematics deals with making consumer decisions, graphs, transportation costs, food, clothing and housing, travel, estimating income and planning expenditures, tax, credit, banking, insurance investment, etc. It may be taken for one semester and one credit if enrolled first semester only. It cannot be taken after successful completion of Geometry or Algebra II.

PRE-ALGEBRA A (Full Year)

Course Number: 342

Credit: 2

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 9, 10

Course Description: This course is designed to teach the fundamental concepts of Pre-Algebra in depth over a two-year period. It will cover the same topics as Pre-Algebra I only at a slower pace. It is intended to increase opportunities for practice and development of all the Pre-Algebra topics.

PRE-ALGEBRA B (Full Year)

Course Number: 343

Credit: 2

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 9, 10

Course Description: This course is designed to teach the fundamental concepts of Pre-Algebra in depth over a two-year period. It will cover the same topics as Pre-Algebra I only at a slower pace. It is intended to increase opportunities for practice and development of all the Pre-Algebra topics.

PRE-ALGEBRA (Full Year)

Course Number: 322

Credit: 2

Elective/Required: Required (If not taking Algebra)

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 9, 10

Course Description: This course is a transition from mathematics to algebra. The purpose is to pave the way for a progressive mastery of more difficult and complex skills as a prerequisite for understanding algebraic concepts in an informal way and to build a foundation for a formal study of Algebra. Topics include language of Algebra, integers, problem solving, factors, functions, rationales, equations, inequalities, proportions, percents, statistics, and probability.

ALGEBRA 1A (Full Year)**Course Number:** 344**Credit:** 2**Elective/Required:** Required if not taking Algebra 1**Schools Offering Course:** E, N, W, CC**Grade Level:** 9, 10, 11**Course Description:** This course is designed to teach the fundamental concepts of Algebra in depth over a two-year period. It will cover the same topics as Algebra 1 only at a slower pace. It is intended to increase opportunities for practice and development of all the Algebra 1 topics.**ALGEBRA 1B** (Full Year)**Course Number:** 345**Credit:** 2**Elective/Required:** Required if not taking Algebra 1**Schools Offering Course:** E, N, W, CC**Grade Level:** 9, 10, 11, 12**Course Description:** This course is designed to teach the fundamental concepts of Algebra in depth over a two-year period. It will cover the same topics as Algebra 1 only at a slower pace. It is intended to increase opportunities for practice and development of all the Algebra 1 topics.**ALGEBRA 1** (Full Year)**Course Number:** 324**Credit:** 2**Elective/Required:** Required**Prerequisite:** None**Schools Offering Course:** E, N, W, CC**Grade Level:** 9, 10, 11, 12**Course Description:** This course is designed to teach the fundamental concepts of Algebra in depth, preparing students for future math and/or related courses. Most students planning to enroll in college should enroll in this course. The course includes a study of general numbers, formulas, equations, graphs and radicals.**GEOMETRY** (Full Year)**Course Number:** 326**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Algebra I**Schools Offering Course:** E, N, W, CC**Grade Level:** 9, 10, 11, 12**Course Description:** This course is designed to teach the concepts of Euclidean Geometry in depth while preparing college bound students for future math and/or related courses. Inductive and deductive reasoning are employed while both plane and solid geometry are studied.**ALGEBRA II** (Full Year)**Course Number:** 328**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Geometry**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12**Course Description:** This course introduces many new concepts and is geared for the college bound student. An understanding of the principles of Algebra is emphasized. Topics covered include quadratic and fractional equations, inequalities, complex numbers, and progressions.**TRIGONOMETRY** (1 Semester)**Course Number:** 330**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Algebra II**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12**Course Description:** This course includes topics such as angles, arcs, sectors, trigonometric functions and inverses, solving right triangles, area, Law of Sine and Law of Cosine, identities, circular functions, polar coordinates, complex numbers, and applications of trigonometry.**ADVANCED MATHEMATICS TOPICS** (1 Semester)**Course Number:** 331**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Trigonometry**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12**Course Description:** This course is a college preparatory course that includes topics in vectors and determinants, sequences and series, matrices, combinatorics, probability, analytic geometry, statistics, functions, and limits.**BUSINESS MATH** (Full Year)**Course Number:** 338**Credit:** 2**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** Central Campus**Grade Level:** 10, 11, 12**Course Description:** This course is business oriented in nature. Fractions, decimals, percents, and basic equations are used frequently in this course. Topics include review of fractions, decimals, and percents; solution of equations; interest; trade discounts; insurance; stocks; annuities; sinking funds; depreciation; markups; accounting procedures; and inventory control.**PRINCIPLES OF PHYSICS** (Full Year)**Course Number:** 365**Credit:** 2 (Dual Credit Available, Articulation: WITCC)**Elective/Required:** Elective**Prerequisite:** Pre-Algebra or any higher level of Math**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12**Course Description:** This course teaches basic physics concepts in the context of how they relate to four (4) energy systems (mechanical, fluid, electrical, and thermal). The course gives students a broad understanding of physics principles in an investigative laboratory program. Students planning 2 - 4 year college programs or those entering technology training will find this course will help them prepare for the high technology of the future. *This course may be used to satisfy two (2) credits in science OR math towards graduation requirements*

CALCULUS I (Full Year)**Course Number:** 2219**Credit:** 2 (Dual Credit Available, 28E course)**Elective/Required:** Elective**Prerequisite:** Advanced Mathematics Topics**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Students selecting this course should be highly motivated and have a strong background in previous mathematics offerings. Differential and Integral Calculus and applications using calculus are covered.

OLAP Calculus AB (Online)**Course Number:** 2413**Credit:** 2**Elective/Required:****Prerequisite:** Algebra II, Geometry, Trigonometry, Advanced Math**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: In OLAP Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers and financial analysts understand the complex relationships behind real-world phenomena. OLAP Calculus AB prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

OLAP Statistics (Online)**Course Number:** 2416**Credit:** 2**Elective/Required:****Prerequisite:** Algebra II**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They'll learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results from another poll or study, they'll know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real world uncertainties, statistics plays an important role in many fields. OLAP Statistics prepares students for the AP Exam. The content aligns to the scope and sequence

PHYSICAL EDUCATION

| COURSE # | Name | Credit |
|----------|------------------------------------|--------|
| 460 | PE Semester 1 | .5 |
| 461 | PE Semester 2 | .5 |
| 473 | Strength & Conditioning Semester 1 | .5 |
| 474 | Strength & Conditioning Semester 2 | .5 |
| 477 | Lifeguard Training | 1 |
| 571 | Introduction to Dance | 2 |

COURSE DESCRIPTIONS

PHYSICAL EDUCATION (Semester 1)

Course Number: 460

Credit: 0.5 (per semester)

Elective/Required: Elective (meets partial fulfillment of Physical Education requirement)

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 9, 10, 11, 12

Course Description: This course includes basic and advanced skills, understanding and appreciation of rules, strategy, movement, and healthy living. It also includes aerobics, aquatics, soccer, volleyball, table tennis badminton, basketball, fitness training, softball, tumbling, rhythms and dance, weight training, recreational games and health topics.

PHYSICAL EDUCATION (Semester 2)

Course Number: 461

Credit: 0.5 (per semester)

Elective/Required: Elective (meets partial fulfillment of Physical Education requirement)

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 9, 10, 11, 12

Course Description: This course includes basic and advanced skills, understanding and appreciation of rules, strategy, movement, and healthy living. It also includes aerobics, aquatics, soccer, volleyball, table tennis badminton, basketball, fitness training, softball, tumbling, rhythms and dance, weight training, recreational games and health topics.

STRENGTH AND CONDITIONING (Semester 1)

Course Number: 473

Elective/Required: 0.5

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 9 - 12

Course Description: This course is designed to assess many areas of lifestyles including cardiovascular flexibility and strength, nutrition, stress and risk factors. It will encourage regular physical activities and other activities which contribute to a high quality lifestyle.

STRENGTH AND CONDITIONING (Semester 2)

Course Number: 474

Elective/Required: 0.5

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 9 - 12

Course Description: This course is designed to assess many areas of lifestyles including cardiovascular flexibility and strength, nutrition, stress and risk factors. It will encourage regular physical activities and other activities which contribute to a high quality lifestyle.

LIFEGUARD TRAINING (1 Semester)**Course Number:** 477- daily**Credit:** 1 (Articulation: WITCC, Early Bird)**Elective/Required:****Prerequisite:** Student must be 15 years of age before the completion of this course. Pre-course skills pretest is required.**Schools Offering Course:** E, N, W, open to CC**Grade Level:** 9, 10, 11, 12**Course Description:** This course provides entry level lifeguard candidates with the skills and knowledge to prevent, recognize and respond to emergencies and to provide care for injuries and sudden illnesses until advanced medical personnel arrive and take over. Upon completion of the necessary skills and written tests, the candidate will obtain certification enabling them to be employed as a lifeguard. Fee: To Be Determined (Red Cross texts and materials)**INTRODUCTION TO DANCE** (1 Semester)**Course Number:** 571**Credit:** 1**Elective/Required:** Elective (Meets graduation requirement for Fine Arts)**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 9, 10, 11, 12**Course Description:** This course will include a written, hands-on, and visual approach to provide students a broad based appreciation of nature, value, and meaning of dance

SCIENCE

| COURSE # | Name | Credit |
|-----------------|---------------------------------------|---------------|
| 352 | Earth Science | 2 |
| 354 | Integrated Science | 2 |
| 356 | Biology I | 2 |
| 358 | Biology II Laboratory | 2 |
| 359 | Field Biology | 2 |
| 355 | Biotechnology | 1 |
| 360 | AP Biology | 2 |
| 372 | Honors Biology | 2 |
| 362 | Chemistry | 2 |
| 364 | Honors Chemistry | 2 |
| 363 | AP Chemistry | 2 |
| 365 | Principles of Physics | 2 |
| 366 | Physics I | 2 |
| 367 | Physics II | 2 |
| 369 | Health I | 1 |
| 371 | Anatomy-Physiology & Occupations | 1 |
| 373 | Health Science I | 3 |
| 374 | Health Science II—CNA/First Responder | 3 |
| 377 | Health Science II—Pharmacy Tech | 3 |
| 376 | Applied Biology | 1 |
| 387 | Personal Growth | 1 |
| 389 | Energy & Technology | 1 |
| 175 | Basic Electrical Theory | 2 |
| 242 | Food Science | 2 |
| 2414 | OLAP Chemistry | 2 |
| 2415 | OLAP Physics B | 2 |

COURSE DESCRIPTIONS

EARTH SCIENCE (Full Year)

Course number: 352

Credit: 2

Elective/Required: Elective

Prerequisite: none

Schools offering course: E, N, W

Grade level: 9, 10, 11, 12

Course description: Earth science is a laboratory-oriented course, which can be used to satisfy the science requirement for many colleges. Students will investigate the various aspects of the earth. Areas of study include the study of rocks and minerals, earthquakes, glaciers, atmosphere, geologic time, weather, oceans and astronomy.

INTEGRATED SCIENCE (Full Year)

Course Number: 354

Credit: 2

Elective/Required: Elective

Prerequisite: None

Schools offering course: E, N, W, CC

Grade level: 9, 10, 11, 12

Course description: Integrated science is designed to develop scientific and technological literacy through a variety of activities that emphasize problem solving, critical thinking skills and teamwork. The core areas – Chemistry, Physics, Biology and Earth – are all covered in this hands-on approach to Science. This course is recommended for most freshmen to give a basic overview of core sciences. Laboratory work is emphasized as an important part of Integrated Science.

BIOLOGY I (Full Year)

Course number: 356

Credit: 2

Elective/Required: Elective

Prerequisite: none

Schools offering course: E, N, W, CC

Grade level: 9, 10, 11, 12

Course Description: This course includes the study of living organisms - plants and animals. It develops an understanding of structure, function, and ecological principles in the living world. Laboratory work is emphasized with outside activities as an important part of biological science. In the first semester the units of study include environmental studies, molecular biology, reproduction, cellular biology, heredity and genetics. Second semester consists of the study of plants, animals, bacteria, protozoa, and fungi.

BIOLOGY II LABORATORY (Full Year)**Course Number:** 358**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Biology I (Minimum C Grade or Teacher Permission)**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12**Course description:** Biology II laboratory expands on the concepts and principals presented in Biology I. The course is laboratory oriented and the material covered is college preparatory in nature with special emphasis on careers in the medical field. The first semester emphasizes the molecular, cellular, and hereditary bases of life. The second semester covers human anatomy and physiology.**Field Biology** (Full Year)**Course Number:** 359**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Biology I (minimum C grade or teacher permission)**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** Biology II field consists of the identification and study of common organisms found on the school campus, natural areas, and in the school greenhouse. Indoor and outdoor hands-on laboratory activities are performed to show how organisms adapt to live within their habitat. Understanding how each organism is unique and how it fits into its habitat is essential to understand the fascinating world existing at our doorstep. Students will have the opportunity to do real science, to explore the unknown and to use a hands-on inquiry method as proposed by the new science standards.**BIOTECHNOLOGY** (1 Semester)**Course Number:** 355**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Biology I (minimum C grade or teacher permission)**Schools Offering Course:** E, N, W**Grade Level:** 10 – 12**Course Description:** This course is lab oriented and is designed to provide accurate information about the field of biotechnology. Biotechnology is the study and manipulation of living things or their component molecules, cells, tissues, or organs. Biotechnology is an expansive field that includes many modern techniques that involve DNA, such as recombinant DNA technology, polymerase chain reaction and cloning. The newly coined term “Biotechnology” has been used since the 1970’s to reflect the application of exciting new technologies to the research and development of products from plant and animal cells.**AP BIOLOGY** (Full Year)**Course Number:** 360**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Biology I or Honors Biology I, Chemistry I or Honors Chemistry I**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** AP Biology is designed to be taken by students after the successful completion of a first course in high school biology and a high school chemistry course.

This course will provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. **AP Biology prepares students for the AP Exam which students will be required to take at the end of the course. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.**

HONORS BIOLOGY (Full Year)**Course Number:** 372**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Suggested - Algebra I with A grade; Physical Science with A grade; At discretion of teacher and counselor in consultation with parent**Schools Offering Course:** E, N, W**Grade Level:** 9 – 10**Course Description:** Honors Biology is an advanced level Biology course designed for the advanced level student and is a recommended prerequisite for AP Biology and AP Chemistry. This course will exceed the general Biology course both in depth and the pace in which the material is covered. The course sequence is cells, genetics, evolution, history of life, classification, microbiology, protists, fungi, plants, animals and ecology.**CHEMISTRY** (Full Year)**Course Number:** 362**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Algebra I with minimum C grade or teacher permission**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12**Course Description:** Chemical aspects of matter and energy are studied through discussion and laboratory experiments. Laboratory observations and measurements lead to the development of chemical principles. Some descriptive and historical chemistry is included. A course in Chemistry is recommended by many colleges and universities as one of the lab courses students should take in their high school careers.**HONORS CHEMISTRY** (Full Year)**Course Number:** 364**Credit:** 2**Elective/Required:** Elective**Prerequisite:** Suggested - Algebra I with A grade; Taking geometry or higher level math in 9th grade; At the discretion of teacher and counselor in consultation with parent**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12**Course Description:** Honors Chemistry is an advanced level chemistry course that exceeds the standard high school chemistry course both in the depth and in the pace at which the material is covered. This course is designed for the advanced student. A course in Chemistry is recommended by many colleges and universities as one of the lab courses students should take in their high school careers.

AP CHEMISTRY (Full Year)**Course Number:** 363**Credit:** 2**Elective/ Required:** Elective**Prerequisite:** Chemistry I or Honors Chemistry**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: Advance Placement Chemistry provides an orderly development of the fundamental concepts and principles of chemistry with an emphasis on inquiry and critical thinking skills including: Problem solving, mathematical reasoning, and experimental investigations. Topics of study include: Structure of matter, states of matter, chemical kinetics, thermochemistry and thermodynamics, and descriptive chemistry. A strong emphasis is placed on chemical equilibrium, acids and bases, and chemical reactions. Laboratory work is an integral component of this course. Technology including graphing calculators, probe-wire, graphing and data analysis software, and chemistry apparatus is used throughout this course.

The College Board deems this to be a second year chemistry course, and the equivalent of a yearlong introductory, college level general chemistry course. The course requires a working knowledge of chemistry, and second-year algebra. The breadth, pace, and depth of material covered exceeds the standard high school chemistry course, as does the college-level textbook, laboratory work and **time and effort required of students. AP Chemistry prepares students for the AP Exam which students are required to take at the end of the course.**

PRINCIPLES OF PHYSICS (Full Year)**Course Number:** 365 Articulation: WITCC**Credit:** 2 (will meet district Math or Science requirement)

Dual Credit Available; Articulation: WITCC

Elective/ Required: Elective**Prerequisite:** Pre-Algebra or Higher Level Math**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: This course teaches basic physics concepts in the context of how they relate to four (4) energy systems (mechanical, fluid, electrical and thermal). The purpose of the course is to give students a broad understanding of physics principals in an investigative laboratory program. Students planning two (2) and/or four (4) year college programs or those entering technology training, will find this course helping them to prepare for high technology of the future. This course may be used to satisfy two (2) credits in science OR math towards graduation requirements. This course meets the requirements for college admission.

PHYSICS I (Full Year)**Course Number:** 366**Credit:** 2**Elective/ Required:** Elective**Prerequisite:** Algebra I**Schools Offering Course:** E, N, W**Grades:** 11, 12

Course Description: Physics is an investigative laboratory program in the study of physical changes and how these changes affect matter and energy. The course emphasizes the study of motion, heat, vectors, magnetism sound, light, electricity, and atomic structure. The purpose of this course is to give students a broad understanding of problem solving, to develop basic proficiencies in lab skills and tech-

niques, and to stimulate further study.

The nature of the laws of physics will be covered through reading, class discussion, mathematical analysis, teacher explanation and laboratory experiences.

PHYSICS II (Full Year)**Course Number:** 367**Credit:** 2 PSEO credit / Morningside College**Elective/ Required:** Elective**Prerequisite:** Physics I**Schools Offering Course:** E, N, W**Grade Level:** 12

Course Description: This course is the same as physics 201 and physics 202 offered at Morningside College. Students will receive 8 hours of college algebraic physics credit from Morningside College upon successful completion of the course if desired by the student. A portfolio of student work must be kept and submitted. A final exam from Morningside College must be taken to receive college credit at the end of the course. Students need to have a strong mathematical background and a good work ethic for Physics II. This course will cover the topics of mechanics, energy, sound, optics, electricity, and magnetism with emphasis on development of problem solving abilities.

HEALTH I (1 Semester)**Course number:** 369**Credit:** 1

Elective/Required: Required (Health credit may be satisfied by Health I, Individuals & Families or Health Occupation I)

Prerequisite: none**Schools Offering Course:** E, N, W, CC**Grade Level:** 9, 10, 11, 12

Course Description: This course is designed to investigate the physical, mental, and emotional aspects of individual and group health. Social aspects such as smoking, drugs, alcohol, diseases, and medical self-help are included in this course. The administering of Cardio Pulmonary Resuscitation (CPR) is an integral part of the course.

ANATOMY-PHYSIOLOGY AND OCCUPATIONS (1 Semester)**Course Number:** 371**Credit:** 1 PSEO credit (4 Hrs.) / Briar Cliff University**Elective/Required:** Elective

Prerequisite: Biology & Biology Lab II recommended but not required

Schools Offering Course: E, N, W**Grade Level:** 11, 12

Course Description: This course is lab oriented and is designed to provide accurate information about the structure and function of the human body and to provide background information for students interested in pursuing post high school information in a health related career. Selected health professionals from the community will present programs exploring their career specialties. Students rotate through different areas of health occupations according to interest. Staff professionals are responsible for providing students with meaningful experiences within their departments. This experience may involve tours of the facilities, job shadowing, hands on training in certain skills, and incorporating academic enrichment in the sciences.

HEALTH SCIENCE I (Full Year)**Course Number:** 373**Credit:** 3 Articulation and / or dual credit with WITCC**Elective/Required:** Elective (Will meet Health graduation requirement)**Prerequisite:** none**Schools Offering Course:** CC (2 hour time block)**Grade Level:** 11, 12

Course Description: Health Occupations I is an introductory course to explore the health care industry. This course covers the fundamental aspects of health care including delivery systems, career exploration, infection control principles, health promotion, wellness, legal issues, safety, CPR/First Aid, vital signs, job seeking and job shadowing. This course also focuses on computer applications including fundamentals of the Internet and the usage of the Internet such as communication and research. Students will participate in a health education project that promotes communication techniques necessary to promote effective, collaborative team outcomes. Topics include: Communication, delegated responsibilities, goal setting, coaching, conflict resolution, and roles of the team members. Students have an opportunity to participate in HOSA (Health Occupations Students of America) organization. Second semester students' will focus on anatomy, physiology, pathophysiology and medical terminology. Students earn both high school and college credit from WITCC.

HEALTH SCIENCE II – CNA/FIRST RESPONDER (Full Year)**Course Number:** 374**Credit:** 3 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Health Science I**Schools Offering Course:** CC (2 hour time block)**Grade Level:** 12

Course Description: Certified Nurse Aide (Semester 1): This course is designed to provide the student with the fundamentals of patient care in the health care environment. Students will focus on meeting human needs, safety measures, infection control, and physical care. Students will expand their knowledge of tasks, assessments, and observations of patients in the health care environment. Students will develop technical skills specific to complex needs of the patients. **(Thirty hours of clinical work is required and will be done outside of the normal class time.)** This course prepares students to take the national certification test for Certified Nurse Aide. Students earn both high school and college credits from WITCC. **Students must submit to a criminal and abuse background check and be cleared before starting the clinical experience. Students must have a physical and submit health screening paperwork and be cleared for clinical. In addition, students may need to consent for drug testing.**

First Responder (Semester 2): This course emphasizes the development of student skills in emergency medical care procedures. It includes life threatening emergencies, injuries to various body parts, techniques of moving patients, CPT-BLS, and blood borne pathogens. Successful completion of course requirements prepares students to take the national certification examination for EMS First Responder. Students earn both high school and college credit from WITCC.

HEALTH SCIENCE II – PHARMACY TECH (Full Year)**Course Number:** 377**Credit:** 3 Articulation / Dual Credit with WITCC**Elective/Required:** Elective**Prerequisite:** Health Science I / High School Algebra strongly recommended**Schools Offering Course:** CC**Grade Level:** 12

Course Description: Pharmacy Technician (full year) students will gain basic knowledge about community and institutions pharmacy practice. This course is designed to introduce the student to basic concepts of pharmacology as well as biological factors affecting the actions of drugs for each pharmacological classification. Students will have an opportunity to apply the skills and to assume the role of the pharmacy technician in the institutional and retail pharmacy setting under the direct supervision of pharmacist. **Forty hours of clinical work is required and will be done outside of the normal class time.** This course work prepares students to take the National Certification test for Pharmacy Technician. **Students taking this course should be able to work independently and should have taken algebra.** Students earn both high school and college credit from WITCC. **Students must submit to a criminal and abuse background check and be cleared before starting the clinical experience. Students must have a physical and submit health screening paperwork and be cleared for clinical. In addition, students may need to consent for drug testing.**

APPLIED BIOLOGY (1 Semester)**Course Number:** 376**Credit:** 1**Elective/Required:** Elective**Prerequisite:** General Science or Biology I**Schools Offering Course:** CC**Grade Level:** 11, 12

Course Description: This course uses an application-oriented approach to the concepts of biology and chemistry. Hands-on laboratories, text-based activities, and videos are used to present material as it relates to work, home, society, and the environment. An integrated computer based interest module, Choices, is used to develop student contracts.

PERSONAL GROWTH (1 Semester)**Course Number:** 387**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Health I**Schools Offering Course:** CC**Grade Level:** 12

Course Description: This short course supplements the Merrill Health series. The course examines the effects of wellness and risk behaviors as they relate to human sexuality. This course stresses responsible decision making to promote personal and community health.

ENERGY AND TECHNOLOGY (1 Semester)**Course Number:** 389**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Integrated or Physical Science**Schools Offering Course:** CC**Grade Level:** 11, 12

Course Description: This course explores the uses of energy, major uses of power, transportation, and alternative energy resources. Students will investigate the importance of energy, power, and transportation as it relates to our society. The computer based career exploration module, Choices, may be integrated to supplement student interest.

BASIC ELECTRICAL THEORY (Full Year)**Course Number:** 175**Credit:** 2 Articulation: WITCC**Elective/Required:** Elective**Prerequisite:** Industrial Arts Technology #160 recommended**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This course will introduce the student to the most common electronic components: resistors, components: resistors, capacitors, transformers, diodes, and transistors. Use of test equipment such as VOM meters, oscilloscopes, and other testing equipment will be covered. Building a project is part of the course.

FOOD SCIENCE TECHNOLOGY (Full Year)**Course Number:** 242**Credit:** 2 (Dual Credit)**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 10, 11, 12

Course Description: This course uses basic principles of Biology and Chemistry as the vehicles to investigate concepts of nutrition, food preparation and food processing. It emphasizes hands on laboratory experiences to teach concepts as physical and chemical changes, pH, digestive enzymes, chemical composition of foods, etc. The class is a dual credit class taught by science certified FACS staff or a team of FACS and Science staff members.

OLAP CHEMISTRY (ONLINE)**Course Number:** 2414**Credit:** 2**Elective/Required:** Elective**Prerequisite:** 1 yr. Chemistry, Algebra II**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Chemistry builds student's understanding of the nature and reactivity of matter. After studying the structure of atoms, molecules and ions, students move on to solve quantitative chemical problems and explore how molecular structure relates to chemical and physical properties. Students will examine the molecular composition of common substances and learn to predictably transform them through chemical reactions. OLAP Chemistry prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

OLAP PHYSICS B (ONLINE)**Course Number:** 2415**Credit:** 2**Elective/Required:****Prerequisite:** Algebra II, Math analysis, Trigonometry, strongly recommend Intro to Physics**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Physics B is a non-calculus survey curriculum covering five general areas:

Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Students will gain an understanding of physics' core principles and then apply them to problem-solving exercises. They'll learn how to measure the mass of a planet without weighing it, find out how electricity makes a motor turn, and learn how opticians know how to shape the lenses for glasses.

*This course requires a designated onsite lab activities facilitator. OLAP Physics B prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

SOCIAL STUDIES

| COURSE # | Name | Credit |
|-----------------|-------------------------------|---------------|
| 394 | American History | 2 |
| 398 | World History | 2 |
| 399 | American Government | 2 |
| 401 | Economics | 1 |
| 402 | AP U.S. Government & Politics | 2 |
| 403 | Sociology | 1 |
| 404 | Psychology | 1 |
| 405 | AP Psychology | 2 |
| 406 | Geography | 1 |
| 408 | World Cultures | 1 |
| 2214 | Western Civilization I | 1 |
| 2215 | Western Civilization II | 1 |
| 2384 | OLAP Micro Economics | 1 |
| 2385 | OLAP Macro Economics | 1 |
| 2386 | OLAP U.S. Government | 1 |
| 2387 | OLAP Psychology | 1 |

COURSE DESCRIPTIONS

AMERICAN HISTORY (Full Year)

Course Number: 394

Credit: 2

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 9

Course Description: This yearlong survey course is a chronological study of our American History beginning with early Native American history through the contemporary era. Study of American History will enable the student to understand the impact and interrelationships of events, contributions and accomplishments of notable people throughout history, trends, issues and problems faced by men and women in the creation of our nation and evolution into a modern nation.

WORLD HISTORY (Full Year)

Course Number: 398

Credit: 2

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 10, 11, 12

Course Description: This year long course is a chronological world survey of the contributions, accomplishments, and problems of men and women from early civilizations to the world today. The course begins with the early civilizations and moves to the Empires of the Ancient World and Regional Civilization, Early Modern Times, Enlightenment and Revolution, Industrializing and a New Global Age, to the World Wars and Revolutions. World History concludes with examination of the world today. The major emphasis of the course is to show how the past impacts on today's world and how people throughout time face similar issues and situations.

AMERICAN GOVERNMENT (1 Semester)

Course Number: 399

Credit: 1

Elective/Required: Required

Prerequisite: None

Schools Offering Course: E, N, W, CC

Grade Level: 11, 12 (10 by permission)

Course Description: This course provides a detailed study of the American governmental systems at the national, state and local levels and includes an examination of the election process, political parties, citizen participation, the legal system, and civil rights.

ECONOMICS (1 Semester)**Course Number:** 401**Credit:** 1**Elective/Required:** Required**Prerequisite:** None**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12 (10 by permission)

Course Description: This course will help students acquire the tools and skills necessary to apply the best problem-solving, decision-making strategies to future situations as consumers. The course focuses on understanding the working of the American economy and our role in the global market place. Micro and macroeconomics, in addition to constantly changing international economics, are studied in depth.

AP U.S. GOVERNMENT & POLITICS (Full Year)**Course Number:** 402**Credit:** 2**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: The Advanced Placement course in United States Government and Politics is designed to give students a critical perspective on politics and government. This course involves both the study of general concepts used to interpret United States politics and an examination of the various institutions, groups, beliefs, and ideas that make up American politics. The course is taught with college-level texts. Preparation for the AP Exam will be an integral part of the course.

SOCIOLOGY (1 Semester)**Course Number:** 403**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12 (10 by permission)

Course Description: Sociology is the scientific study of the social relations, which people develop in their interactions with one another. Special attention is given to the causes and consequences of these interactions within the frameworks of group, social, and cultural environments. Applying social theory to the study of social issues, the course examines such topics as life styles, role identities, life crises, cultural and social environments, and social deviancy. The course will help students understand how personal, cultural, social and psychological attitudes towards self and others affect our society.

PSYCHOLOGY (1 Semester)**Course Number:** 404**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12 (10 by permission)

Course Description: In psychology many of the factors that influence human behavior are examined. Students should gain a basic understanding of why individuals behave as they do and how behavior can be influenced. Several topics of practical value are studied: behavior modification, human growth and development, stress and its consequences, mental illness and mental health, human relations, motivation, personality theory and personality devel-

opment. Additional units of special interest may be included.

AP PSYCHOLOGY (Full Year)**Course Number:** 405**Credit:** 2**Elective/Required:** Elective**Schools Offering Course:** E, N, W**Grade Level:** 11, 12

Course Description: The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. The aim of the course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses. AP Psychology prepares students for the AP Exam.

GEOGRAPHY (1 Semester)**Course Number:** 406**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** CC**Grade Level:** 11, 12

Course Description: This course will review basic geography skills and expand beyond the study of geography undertaken in grade seven. The national geography standards that emphasize the five themes of geography: Location, place, human-environment interaction, movement, and regions and their relationship to each other will be studied in depth. Instructional focus will enable the student to become a geographically informed person.

WORLD CULTURES (1 Semester)**Course Number:** 408**Credit:** 1**Elective/Required:** Elective**Prerequisite:** None**Schools Offering Course:** E, N, W**Grade Level:** 9, 10, 11, 12

Course Description: This course will help students understand world cultural diversity, especially cultural change and diversity occurring in our community. Students will learn about the history and traditions; geography, economics and daily life; and the literature and the arts of cultural groups located throughout the world and in our community. The course will enable students to learn how diverse races and cultural tradition, beliefs, lifestyles and value systems can enrich their lives, directly and indirectly.

WESTERN CIVILIZATION I (1 Semester)**Course Number:** 2214**Credit:** 1 (28E credit available)**Elective/Required:** Elective**Prerequisite:** World History**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12

Course Description: This course traces the Western tradition from the earliest times through the sixteenth century. This course also emphasizes the process of change and the dynamics and interrelationships of events of the major societies, governance and cultures of the Ancient, Medieval and Renaissance.

WESTERN CIVILIZATION II (1 Semester)**Course Number:** 2215**Credit:** 1 (28E credit available)**Elective/Required:** Elective**Prerequisite:** World History**Schools Offering Course:** E, N, W, CC**Grade Level:** 11, 12

Course Description: This course surveys Western history from the age of European Exploration to the present.

OLAP Microeconomics (Online)**Course Number:** 2384**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Algebra I**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. OLAP Microeconomics prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

OLAP Macroeconomics (Online)**Course Number:** 2385**Credit:** 1**Elective/Required:** Elective**Prerequisite:** Algebra II or Math Analysis**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. OLAP Macroeconomics prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

OLAP Psychology (Online)**Course Number:** 2387**Credit:** 1**Elective/Required:** Elective**Prerequisite:** 1 yr. of Biology**Schools Offering Course:** E, N, W, CC**Grade Level:** 10, 11, 12

Course Description: OLAP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions; how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They'll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. OLAP Psychology prepares students for the AP Exam. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

TRAFFIC EDUCATION COURSES

| COURSE # | NAME | CREDIT |
|----------|----------------------------------|--------|
| 420-422 | Traffic Education (1st Semester) | 1 |
| 423-425 | Traffic Education (2nd Semester) | 1 |

COURSE DESCRIPTIONS

TRAFFIC EDUCATION COURSE

Course Number: 420-422 (First Semester)
423-425 (Second Semester)

Credit: 1 (per semester)

Elective/Required: Elective

Prerequisite: (See explanation)

School Offering Course: E, N, W

Grade Level: 9, 10, 11, 12

Prerequisite: Students must possess a valid Learners Permit. Current fee must be paid before the first class. Students will be registered by birth date; the oldest students registering will have first priority for enrollment in the class.

Course Description: The course will be taught in three phases. The classroom phase will meet on alternating days and the class will exceed the mandated requirement of 30 hours of instruction time. The in-car phase and the simulation phase will both meet once each week to provide the mandated 6 hours of behind-the-wheel instruction time. The in-car phase will be taught outside the regular school day. A scheduled time will be arranged either before school, after school or on Saturdays. Students must complete an additional 20 hours of logged behind-the-wheel practice driving time with parents or guardian. Students must pass all phases to satisfactorily complete the course. Students passing the course will receive a certificate of completion enabling them to apply for their Iowa Drivers License before age 18. The final grade will not be part of the student's Grade Point Average. **Fees to be announced; follows Board Policy # 602.6.**

RECONNECTING YOUTH

| COURSE # | NAME | CREDIT |
|----------|--------------------|--------|
| 375 | Reconnecting Youth | 1 |

COURSE DESCRIPTIONS

RECONNECTING YOUTH (1 Semester)

Course Number: 375

Credit: 1

Elective/Required: Elective

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 9, 10

Course Description: The Reconnecting Youth course is designed to assist students in developing skills to improve their academic performance. Students learn and practice using strategies in the areas of decision-making, personal control, self-esteem enhancement and interpersonal communication within a supportive classroom environment. This course challenges students to evaluate their current level of achievement and to set and reach goals for improvement.

LEARNING STRATEGIES

| COURSE # | NAME | CREDIT |
|----------|---------------------|--------|
| 304 | Learning Strategies | 1 |

COURSE DESCRIPTIONS

LEARNING STRATEGIES (1 Semester)

Course Number: 304

Credit: 1

Elective/Required: Elective

Prerequisite: None

Schools Offering Course: W

Grade Level: 9 – 12

Course Description: This course is based upon strategies developed at the University of Kansas for Middle School and High School students. Students focus upon the development of strategies that will help them learn to organize their work, understand how to effectively use note taking and study cards, create new methods for memorization, and utilize self-questioning and visual imagery techniques that can lead to improved reading for understanding. Data collected by the University of Kansas has shown this course to be a successful tool in improving study skills.

SCHOOL-TO-WORK

| COURSE # | NAME | CREDIT |
|----------|----------------------------|--------|
| 983 | Work Experiences | 1-6 |
| 2140 | Sioux City Internships | 1-6 |
| 566 | Students-to-Teachers (S2T) | 1-6 |

COURSE DESCRIPTIONS

WORK EXPERIENCE

Course Number: 983

Elective/Required: None

Prerequisite: Permission of building principal, counselor and School-to-Work Coordinator.

Schools Offering Course: E, N, W, CC

Grade Level: 9, 10, 11, 12 (building permission only)

Course Description: Earn a maximum of six (6) elective credits on a Pass/Fail basis. Number of credits earned is subject to review by School-to-Work Coordinator. Students must provide written documentation of hours worked.

Credits are awarded on the following basis: 180 hrs. = 1 credit; 360 hrs. = 2 credits; 540 hrs. = 3 credits; 720 hrs. = 4 credits; 900 hrs. = 5 credits; 1,080 hrs. = 6 credits. This is for students in danger of not earning 44 credits within four years.

SIoux CITY INTERNSHIPS

Course Number: 2140

Credit: (earn up to 6 credits max.) Number of credits earned may be subject to review by the School to Work Coordinator.

Elective/Required: Elective

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 11, 12

Course Description: The Sioux City Internship Program is available for juniors and seniors who are interested in participating in career experiences while still in high school. Students are able to earn academic credit while exploring careers in all Career Pathways. A few examples of internship sites have included: KCAU-TV, Prairie Pediatrics, Girls Inc., Sioux City Symphony, Crittenton Center, Family Practice, KG-95, O'Dell Electric, and Goodwill Industries. Internships can be paid or unpaid. Students who have participated in this program are unanimous in stating that the time and energy they have devoted to an internship pays off in valuable contacts and references for the future as well as helping to reaffirm their future career choices. Internship assignments made under this course are arranged with the District's STW Specialist.

STUDENTS-TO-TEACHERS (S2T)

Course Number: 566

Credit: (earn up to 6 credits max.) Number of credits is based upon actual contact time in the classroom setting.

Dual Credit: (1-2) Students completing this internship are also eligible to receive credit toward an education degree at Morningside College.

Elective/Required: Elective

Prerequisite: None

Schools Offering Course: E, N, W

Grade Level: 12

Course Description: This internship program is designed to provide students who are interested in the teaching profession with a hands-on experience in the classroom environment. Students will be paired with mentor teachers within the Sioux City School District. Student successfully completing the internship program will be eligible to receive credit towards an education degree from Morningside College. Students will be required to attend four additional meetings outside of their regular classroom experience at Morningside College.

SPECIAL EDUCATION

This department offers several areas of assistance for students who qualify for special education services. Students must have an Individual Education Program (IEP) in place prior to accessing these services. The IEP is the driving force behind all special programming for qualified students.

Graduation Requirements for Special Education Students (Board Policy AR605.4)

Graduation requirements for special education students will be in accordance with the prescribed course of study as described in their Individualized Education Program (IEP). Prior to the student's graduation, the IEP team shall determine that the graduation requirements have been met. Upon successful completion of the prescribed courses of study, students with disabilities will enjoy the same ceremonial activities as any other student. The District shall issue to special education students the same certificate of diploma as granted to other students.

Special Education Courses

The following is a listing of courses offered to students in the special education programs. For a complete course description, refer to the Department sections of this Course Guide.

| COURSE # | NAME | CREDIT | BLDG. | COURSE # | NAME | CREDIT | BLDG. |
|-----------------|----------------|---------------|--------------|-----------------|-------------------|---------------|--------------|
| English | | | | Math | | | |
| 600 | SER English 9 | 2 | E, N, W | 606 | SER Pre-Algebra A | 2 | E, N, W |
| 690 | DB English 9 | 2 | E, N, W | 681 | DB Pre-Algebra A | 2 | E, N, W |
| 750 | DM English 9 | 2 | E, N, W | 754 | DM Pre-Algebra A | 2 | E, N, W |
| 900 | DP English 9 | 2 | E | 921 | DP Pre- Algebra A | 2 | E |
| 601 | SER English 10 | 2 | E, N, W | 607 | SER Pre-Algebra B | 2 | E, N, W |
| 691 | DB English 10 | 2 | E, N, W | 682 | DB Pre-Algebra B | 2 | E, N, W |
| 751 | DM English 10 | 2 | E, N, W | 755 | DM Pre-Algebra B | 2 | E, N, W |
| 901 | DP English 10 | 2 | E | 922 | DP Pre-Algebra B | 2 | E |
| 602 | SER English 11 | 2 | E, N, W | 621 | SER Consumer Math | 2 | E, N, W |
| 692 | DB English 11 | 2 | E, N, W | 683 | DB Consumer Math | 2 | E, N, W |
| 752 | DM English 11 | 2 | E, N, W | 756 | DM Consumer Math | 2 | E, N, W |
| 902 | DP English 11 | 2 | E | 923 | DP Consumer Math | 2 | E |
| 603 | SER English 12 | 2 | E, N, W | 622 | SER Algebra 1A | 2 | E, N, W |
| 693 | DB English 12 | 2 | E, N, W | 684 | DB Algebra 1A | 2 | E, N, W |
| 753 | DM English 12 | 2 | E, N, W | 757 | DM Algebra 1A | 2 | E, N, W |
| 903 | DP English 12 | 2 | E | 924 | DP Algebra 1A | 2 | E |
| Reading | | | | 623 | SER Algebra 1B | 2 | E, N, W |
| 604 | SER Reading 9 | 2 | E, N, W | 685 | DB Algebra 1B | 2 | E, N, W |
| 605 | SER Reading 10 | 2 | E, N, W | 776 | DM Algebra 1B | 2 | E, N, W |
| | | | | 925 | DP Algebra 1B | 2 | E |

| COURSE # | NAME | CREDIT | BLDG. |
|-----------------------------|---|---------------|--------------|
| Social Studies | | | |
| 618 | SER American History | 2 | E, N, W |
| 708 | DB American History | 2 | E, N, W |
| 768 | DM American History | 2 | E, N, W |
| 918 | DP American History | 2 | E |
| 619 | SER World History | 2 | E, N, W |
| 709 | DB World History | 2 | E, N, W |
| 769 | DM World History | 2 | E, N, W |
| 919 | DP World History | 2 | E |
| 610 | SER American Government | 1 | E, N, W |
| 700 | DB American Government | 1 | E, N, W |
| 760 | DM American Government | 1 | E, N, W |
| 910 | DP American Government | 1 | E |
| 611 | SER Economics | 1 | E, N, W |
| 701 | DB Economics | 1 | E, N, W |
| 761 | DM Economics | 1 | E, N, W |
| 911 | DP Economics | 1 | E |
| SCIENCE | | | |
| 613 | SER Earth Science | 2 | E, N, W |
| 703 | DB Earth Science | 2 | E, N, W |
| 763 | DM Earth Science | 2 | E, N, W |
| 913 | DP Earth Science | 2 | E |
| 982 | SER Integrated Science | 2 | E, N, W |
| 616 | SER Biology I | 2 | E, N, W |
| 706 | DB Biology I | 2 | E, N, W |
| 766 | DM Biology I | 2 | E, N, W |
| 916 | DP Biology I | 2 | E |
| 614 | SER Biology II—Field | 2 | E, N, W |
| 704 | DB Biology II—Field | 2 | E, N, W |
| 764 | DM Biology II—Field | 2 | E, N, W |
| 914 | DP Biology II—Field | 2 | E |
| Science continued | | | |
| 612 | SER Health | 1 | E, N, W |
| 702 | DB Health | 1 | E, N, W |
| 762 | DM Health | 1 | E, N, W |
| 912 | DP Health | 1 | E |
| 891 | SER Food Science Technology | 2 | E, N, W |
| 741 | DB Food Science Technology | 2 | E, N, W |
| 777 | DM Food Science Technology | 2 | E, N, W |
| Vocational Education | | | |
| 975 | (1-7) Work Experience on the Job Grades 11, 12 | 2 - 6 | E, N, W |

Both volunteer and paid positions are utilized in a variety of occupational fields in the school and the community. The coordinator visits job sites and obtains periodic evaluations on the student employee.

976 Work Experience (class) 1 E, N, W
Grades 11, 12

This course meets daily. The course stresses how to apply for jobs, how to interview, how to get along with employees, how to keep your job, etc. Each student will complete interest and aptitude testing. Assistance from Vocational Rehabilitation and JTPA are explored. Field trips are made to possible employment sites.

Industrial Science

955 NS Industrial Arts 1 W

Students are given experiences and activities utilizing auditory, visual, and kinesthetic senses to develop skills that will be useful for employment.

Family and Consumer Sciences

712 DB Life Skills 9 2 E, N, W

713 DB Life Skills 10 2 E, N, W

714 DB Life Skills 11 2 E, N, W

956 DM Life Skills 2 E, N, W

892 TA Life Skills 2 E, N, W

715 DB Social Skills 9 2 E, N, W

716 DB Social Skills 10 2 E, N, W

717 DB Social Skills 11 2 E, N, W

969 DM Social Skills 2 E, N, W

893 TA Social Skills 9 2 E, N, W

894 TA Social Skills 10 2 E, N, W

895 TA Social Skills 11 2 E, N, W

896 TA Social Skills 12 2 E, N, W

944 Food Service 1 W

Business

973 Keyboarding 1 W

Art

933 Adaptive Art 1 E, W

Music

958 Adaptive Music 1 E, W

Physical Education

961 Adaptive P.E. 1 E, W

ENGLISH AS A SECOND LANGUAGE

| COURSE # | NAME | CREDIT |
|-----------------|--------------------------------------|---------------|
| 539 | Beginning ESL Orientation | 2 |
| 540 | Beginning ESL English | 2 |
| 541 | Beginning ESL Reading | 2 |
| 542 | Advanced Beginning English | 4 |
| 543 | Intermediate ESL | 2 |
| 544 | Advanced Intermediate ESL | 2 |
| 545 | Advanced ESL | 2 |
| 546 | ESL Sheltered Math | 2 |
| 547 | ESL Sheltered Science | 2 |
| 549 | ESL Sheltered American History | 2 |
| 550 | Keyboarding/Communication | 2 |
| 552 | ESL Sheltered World History | 2 |
| 553 | ESL Sheltered Individuals & Families | 1 |

The students who are participating in the ESL courses have been placed based on their level of English proficiency. A student does not elect to take different proficiency levels on his or her own. Strict entry and exit criteria must be met for a student to enter the English as a Second Language Program, move to another level, or exit the program. Students are placed in the ESL Sheltered Classes by the ESL staff.

Graduation Requirements: ESL students graduating from high school can use up to 4 credits for their required English credits from their ESL classes. The remainder of any ESL credits will be considered electives. Students are encouraged to take English 9 or English 10 as well as Practical Writing or Language Composition in order to complete their English credit requirements.

COURSE DESCRIPTIONS

BEGINNING ESL ORIENTATION (Full Year)

Course Number: 539

Credit: 2

Elective/Required: Required

Prerequisite: Department Approval

Schools Offering Course: E, N, W

Grade Levels: 9 - 12

Course Description: This class is for students who have just arrived in the United States. It is a half-day program at Central Campus, with the other half of the day at that student's high school. Topics stressed are vocabulary, oral language, and basic survival skills taught through the content and thematic units. Self-expression and confidence in using new-found English skills along with cultural and school adjustments are given the utmost attention.

BEGINNING ESL ENGLISH (Full Year)

Course Number: 540

Credit: 2

Elective/Required: Required

Prerequisite: Department Approval

Schools Offering Course: E, N, W

Grade Levels: 9 - 12

Course Description: This class is for students who have just arrived in the United States. It is a half-day program at Central Campus, with the other half of the day at that student's high school. Topics stressed are oral language, writing and spelling skills with the focus upon seeing and building word structures in context of the content and thematic units. Students will become familiar with an American school. Self-confidence and cultural as well as school adjustments are given the utmost attention.

BEGINNING ESL READING (Full Year)

Course Number: 541

Credit: 2

Elective/Required: Required

Schools Offering Courses: E, N, W

Prerequisite: Department Approval

Grade Level: 9-12

Course Description: This course is taught only in the Orientation Center at Central Campus. The beginning elements of reading are introduced at this level. Sight words and basic phrases are covered. High interest, beginning-level selections and novels are read.

ADVANCED BEGINNING ESL (Full Year)

Course number: 542

Credit: 4

Elective/Required: Required

Prerequisite: Department Approval

Schools Offering Course: E, N, W

Grade Level: 9-12

Course Description: This is a 2-period class for students who are somewhat adjusted to an American school and have attained some proficiency in English. Vocabulary, sentence structure, reading and oral comprehension taught through the content are stressed.

INTERMEDIATE ESL (Full Year)**Course Number:** 543**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 9-12

Course Description: This class is for students who understand basic vocabulary in mainstream classes. Continued work is done on vocabulary, reading and writing through the content. Students are able to work more independently in both oral and written work.

ADVANCED INTERMEDIATE ESL (Full Year)**Course Number:** 544**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 9-12

Course Description: This class continues the sequence of ESL courses in development of vocabulary, reading, and writing through the content. Complex vocabulary is presented requiring a higher level of proficiency in English.

ADVANCED ESL (Full Year)**Course Number:** 545**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 9-12

Course Description: Fluency in oral and written language is stressed. Writing and reading skills are further developed through increased practice.

ESL SHELTERED MATH (Full Year)**Course Number:** 546**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 9-12

Course Description: This course is designed for students whose limited English proficiency would not allow them to participate in a regular math classroom. The student's program is individualized. Both language and math skills are taught using materials at the student's instructional level.

ESL SHELTERED SCIENCE (Full Year)**Course Number:** 547**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 9-12

Course Description: This course prepares multicultural students with diverse educational backgrounds to go into mainstream science curriculum. A general science core has been designed for the student with limited English. Topics covered include: plants, the human body, physical science topics, animals, and the universe. Extensive use of visual conceptualization, basic beginning laboratory methods, and field investigation procedures are utilized.

ESL SHELTERED AMERICAN HISTORY (Full Year)**Course Number:** 549**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grades Level:** 9-12

Course Description: ESL American History teaches Limited English Proficient Students concepts and major themes through the 20th century. Maps, charts, and conceptualized learning are used to teach this course in a manner which will be accessible to students who still lack the language skills necessary to take the mainstream American History class.

ESL KEYBOARDING/COMMUNICATION CLASS**Course Number:** 550**Credits:** 2**Elective/Required:** Elective**Prerequisite:** Department Approval**Schools Offering Course:** N**Grade Levels:** 9-12

Course Description: This class is offered to any beginning level ESL student at North High School only. The class is a hands-on approach to help the students develop their skills in computer usage as well as their skills in English communication. This class is organized by interdisciplinary teaching. This class is designed to teach computer use as well as support the language concepts taught in the beginning level ESL curriculum. The class follows the Business Department and ESL department's Standard and Benchmarks. The units in this curriculum are organized around thematic units that are primarily project-based.

ESL SHELTERED WORLD HISTORY (Full Year)**Course Number:** 552**Credit:** 2**Elective/Required:** Required**Prerequisite:** Department Approval**Schools Offering Course:** E, N, W**Grade Level:** 10-12

Course Description: This ESL sheltered class offers a broad study of the major civilization of people, beginning with prehistoric people and moving through the period of the beginning of Modern Europe. This class is structured to fit the learning styles of limited English proficient students by examining the political, economic, social, and cultural accomplishments of the various civilizations.

ESL SHELTERED INDIVIDUALS AND FAMILIES

(1 Semester)

Course Number: 553

Credit: 1

Elective/Required: Required

Prerequisite: Department Approval

Schools Offering the Course: N, W

Grade Level: 10 - 12

Course Description: This course explores the influence of society on individuals and families. It is designed to assist students to be self-sufficient as related to career and life-management, time and financial management, personal and professional relationships, and marriage. Appropriate materials will be used to meet the needs of the limited English proficient student. Emphasis will be placed on introducing students to the culture that exists within various American families. The class will also examine the decision-making process, communication, problem solving, and coping skills as effective tools in balancing the roles of work with individual and family needs.

NOTES
