

**CENTER POINT-URBANA
HIGH SCHOOL'S
REGISTRATION
HANDBOOK**

2010-2011 SCHOOL YEAR



CPU Registration Handbook 2010-2011

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HIGH SCHOOL ACADEMIC REQUIREMENTS 2010-2011

The following course requirements for graduation have been established by the Center Point-Urbana Community School District's Board of Directors. These requirements reflect the general areas of knowledge, which the school district believes is necessary for you, the future graduates of Center Point-Urbana, to be successful upon graduation from Center Point-Urbana High School.

American History	2 credits
9 English	2 credits
9 Science	2 credits
World History	2 credits
10 English	2 credits
Biology	2 credits
Earth Science	1 credit
Science Elective	1 credit
Amer Lit/Comp or Mod Lit/Comp	2 credits
English Electives	2 credits
Government	2 credits
Math	6 credits
Lifeline 1	1 credit
Physical Education	<u>4 credits</u>
	31 credits

(1 daily block in a 9-week class equals one credit)

You need to select 33 additional credits as you design your schedule to fit your career path and educational needs and interests. These credits should be used to better prepare you for post-graduation life.

Successful completion of each term of instrumental music or vocal music, one (1) full credit is given. Successful completion of each term of instrumental and vocal music when taken simultaneously, .5 credit is given for each.

CPU students are required to earn 58 credits for graduation.

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 special education student's graduation, the IEP team shall determine whether the graduation requirements have been met.

If students transfer from another school that does not require as many credits as our district's high school, and if those students would thereby be in danger of not graduating at the regular time, then individual consideration will be given by pro-rating the number of credits needed for graduation according to the amount of time the student spent in the other school.

Students must be enrolled full-time at CP-U. Any exceptions must be applied for through the principal's office.

MEANS FOR ACHIEVING CREDIT

- A. Credit is given for satisfactorily completing a course.
- B. Credit is not granted for an "F" or withdrawal. Required courses, which are not completed successfully, must be retaken for successful completion.

DROP/ADD COURSES

- A. Courses may be changed the first two days of the term.
- B. There is no penalty if courses are dropped / added during this time if conditions in "C" are met.
- C. Process for adding/dropping
 - 1. Reason
 - a. Inappropriate placement in class
 - b. Other educationally-related reason
 - 2. Approval
 - a. Teacher, when appropriate
 - b. Guidance counselor
 - c. Principal, when appropriate
 - 3. Inappropriate drop
 - a. Later than the stated time for adding/dropping courses
 - b. Inappropriate reason
 - c. Taking fewer than 4 courses
 - d. Two credit semester elective courses may not be dropped at the term except under the conditions of C.1.

NOTE: An inappropriate drop results in a "W/F" withdrawal from the course with a grade of "F" for the class.

RECOGNITION FOR GRADE POINT AVERAGE ACHIEVEMENT

- A. Report Card Grade Definitions:
 - "A" - Excellent achievement
 - "B" - Above average achievement
 - "C" - Average achievement
 - "D" - Below average achievement
 - "F" - Unacceptable achievement
- B. Honor Roll (term)
 - 1. The grade point average is based on the following system:
 - "A" = 4.00
 - "A-" = 3.67
 - "B+" = 3.33
 - "B" = 3.00
 - "B-" = 2.67 etc.(Grade point average is based upon all courses' grades during that term with the exception of driver's education.)
 - 2. Honor Roll grade point averages are computed by adding the grade points of the courses and dividing by the number of courses. (This excludes driver's education.)
 - 3. Highest Honor Roll = Students receiving a 4.0 on the 4.0 scale for a term.
 - 4. High Honor Roll = Students receiving 3.750 to a 3.999 on the 4.0 scale for a term.
 - 5. Honor Roll = Students receiving 3.500 to a 3.749 on the 4.0 scale for a term.
- C. Class Rank
 - 1. Advanced Placement Courses are the only courses starting for the students in the Class of 2011 that will receive the honor's scale. These courses receive additional grade point average points as shown on the following scale:
 - "A" = 5.0
 - "B" = 4.0
 - "C" = 3.0
 - "D" = 1.00 (No additional grade credit)

All courses, with the exception of driver's education, are included when figuring grade point average and class rank. Honor class points are included in rank only.

2. The counselor will notify all juniors of their remaining requirements in March.
 3. Grade point averages and class ranks may be requested by all students at any time from the school counselor. New grade point averages and class ranks will be recorded at the end of the 1st and 2nd semesters.
- D. Academic Recognition
1. Gold Cord: Students receiving a 3.75 and above for a 4 year grade point average on honor's class points scale.
 2. Silver Cords: Students receiving a 3.5 to 3.749 for 4 year grade point average on honor's class points scale.
 3. The five students with the best grade point average as based upon the honor's scale will be recognized at commencement. Our school has chosen to recognize several outstanding students rather than one or two students who often place academically higher by just one thousandths of a grade point.

EARLY GRADUATION

Generally, students will be required to complete the necessary course work and graduate from high school at the end of grade twelve. Students may graduate prior to this time if they meet the minimum graduation requirements stated in board policy. Applications for early graduation must be filed in the principal's office by May 1 of the student's junior year. These applications will be for after completion of the semester of their senior year only.

A student who graduates early will no longer be considered a student and will become an alumnus of the school district. However, the student who graduates early may participate in commencement exercises, senior incentive trip, the senior awards ceremony, and post prom. They cannot play on any teams, be a member of a CPU club, attend school dances, prom, or events not open to the public.

Any exceptions must be applied for through the principal's office.

CORRESPONDENCE COURSES

Students may take no more than two correspondence courses during high school. In order to take a correspondence course in a required or core area the CPU class must have been attempted and failed. Students must take their high school correspondence course through Kirkwood's Learning Center unless waived to another source by an administrator. Students may not take a correspondence course prior to the conclusion of their freshmen year. All correspondence courses must be approved by the principal and/or counselor. Students are responsible for all associated costs. The courses must be completed by May 1st of their senior year.

REAL TIME

REAL Time is an advisory program that was developed and implemented in the 2008-09 school year to improve the success of students by forming smaller learning communities and teaching life skills not specifically taught in the high school curriculum. REAL stands for:

Respect
Enthusiasm
Attitude
Leadership

Each teacher is assigned a group of students (15 to 18) that will meet to work on skills, four year plans, and building that relationship with adults and peers. Students will be assigned a REAL time teacher and will meet during homeroom time (approximately 40 minutes). This REAL time teacher will keep these same students throughout their high school experience.

Goals of the program are to:

- Stronger student-teacher relationships
- Increased academic achievement
- Increased student attendance, attitudes, and behavior
- Promotion of positive feelings about self and others
- Lower student dropout rate
- Development student awareness of academic/career options

COLLEGE PLANNING INFORMATION

These are also the courses that count for the “core” when you are entering one of the state’s Regent Schools (ISU, UI, and UNI).

This is also the list of courses that qualify for the NCAA Clearinghouse. Students that are considering attendance at a Division I or Division II AND participating in extracurricular activities should be conscientious of which courses they take in high school so they meet eligibility requirement.

English

ADV LIT COMPOSITION
 AMER LIT COMPOSITION
 CREATIVE WRITING
 ENGLISH 10
 ENGLISH 9
 MOD LIT COMPOSITION
 POETRY
 WORLD LITERATURE

Natural/Physical Science

BIOLOGY
 BIOLOGY/ADV
 BOTANY
 CHEMISTRY
 CHEMISTRY/ADV
 EARTH SCIENCE
 EXPERIMENTS IN SCIENCE
 PHYSICS
 SCIENCE 9
 EXPOSITORY WRITING

Social Studies

AMERICAN HISTORY
 CONSUMER ECONOMICS
 CURRENT WORLD ISSUES
 GOVERNMENT
 PSYCHOLOGY
 WORLD HISTORY
 SOCIOLOGY

Mathematics

ADV MATH
 ALGEBRA 1
 ALGEBRA 2
 AP STATISTICS
 CALCULUS
 GEOMETRY

Additional Courses

SPANISH 1
 SPANISH 2
 SPANISH 3
 SPANISH 4

For more information on the clearinghouse, you can log onto the internet at:
http://eligibilitycenter.org/ECWR2/NCAA_EMS/NCAA.html

Effective fall semester 2009, if you wish to enter any of the Iowa Regent universities as a freshman, you must meet the new Regent Admission Index (RAI) requirement. If you meet the minimum high school course requirements listed below and you earn an RAI score of at least 245, you will automatically qualify for admission to any of the Iowa Regent universities. If you meet the minimum high school course requirements and you earn an RAI score below 245, you may still be considered for admission to any of the Regent universities on an individual basis.

So What's Your RAI Score?

- (2 x ACT composite score)**
- + (1 x percentile high school rank)**
- + (20 x high school GPA)**
- + (5 x number of high school core courses)**

 Regent Admission Index Score

The most effective way to increase your RAI score is to take additional core courses (i.e., college-prep courses offered by your high school in any of the following subject areas: English, math, science, social studies, or foreign language). It will not only enhance your chances for gaining admission, it will also increase your likelihood for academic success after you've entered college!

Go to www2.state.ia.us/regents/rai/ to calculate your own RAI score.

High School Course Requirements

In addition to meeting the Regent Admission Index requirement, students must complete the minimum number of high school courses specified below for the institution to which they're applying.

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa
English/Language Arts	Four years of English/Language Arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.
Math	Three years, including one year each 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,	Three years, including the equivalent of algebra, geometry, and advanced algebra.

		analysis, or calculus), for admission to the College of Engineering.	
Natural Science	Three years, including one year each from any two of the following: biology, chemistry, and physics.	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 courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.
Social Science	Two 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.	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, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
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 are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences.	Two years of a single 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.
Other Courses	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.

ART

Course Title: Beginning Art

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: 60%-project and studio work, 20%-test and quiz scores, 10%-final exam, 10%-sketchbook

No General Fees: There will be a charge for materials used for a personal project.

Course Description: Beginning Art is a first level course designed for students wanting to improve their ability to create new and beautiful objects; to expand their understanding of art, its concepts, and its history; become more observant and sensitive to the world around them; and to increase their powers of creative thinking and problem-solving.

Most of the first term is devoted to drawing and learning to see as an artist does. No "talent" is required, just the desire to improve with hard work. Basic drawing materials and techniques will be handled in still life, portraits, and landscapes. This will lead to general color concepts in painting projects. From there, the student will explore the third dimension in pottery and sculpture. Videos, unique group projects, and challenging individual problem solving will keep things interesting for students of all ability levels.

Course Title: Intermediate Art

Grade Level: 9-12 Prerequisite(s): Beginning Art
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: 50%-project and studio work, 25%-test and quiz scores, 25%-effort and attitude

No General Fees: There will be a charge for materials used for a personal project.

Course Description: Intermediate Art is a second level art course designed to review, refine, and expand on the basic techniques, skills, concept, and historical background covered in Beginning Art. Project areas may include drawing, painting, pottery, sculpture, printmaking, design, and airbrush painting.

The projects themselves will be more challenging, time involving, and open to the student's personal interpretation of the assignment. Polishing of skills and more emphasis on imagination and creativity will result in more exciting artworks. New touches may involve the use of photography, models, on-location work, airbrush techniques, group projects and special assignments. Videos, test, quizzes, field trips, and reports should be considered part of the course content.

NOTE: Student may find this course more meaningful and easier if taken the year immediately following Beginning Art.

Course Title: Basic Photography

Grade Level: 9-12 Prerequisite(s): Beginning Art
Credit(s): 1 Course Length: 9 Weeks

Methods of Evaluation: 60%-project and studio work, 25%-test and quiz scores, 15%-research

No General Fees: Students are required to purchase their own film and photographic paper.

Course Description: This course is designed to educate the student in the workings of basic cameras, darkroom procedures of developing and printing, mounting and framing, some special effects and evaluation of photographs. Extra time outside class will be needed for darkroom work. A 35 mm camera provided by the student will increase efficiency and convenience, but is not mandatory to have one. Students and parents should be aware that there is some cost involved in taking the course. The student will have to pay for his or her own film and photographic paper. Total cost depends on how much the student uses during the course, but an estimate would be \$45.00 for the year. Chemicals and equipment will be provided throughout the year at no cost.

Course Title: Digital Imaging

Grade Level: 11-12 Prerequisite(s): Beginning Art, Word Processing is highly recommended
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: 60%-projects, 15%-research, 15%-tests/quizzes, 10%-effort/class room use

Course Description: 2-D Digital Design introduces students to 2-dimensional studio concepts and graphic design concepts using the computer as a creative tool. Students will develop skills in visual literacy, creative problem solving, and digital imaging. Basic principles of design are explored through a series of weekly assignments. Students are introduced to the use of text/typography in image making. Aesthetics and conceptual vocabulary are developed through class critiques, guest lectures, assigned reading and writing. Students learn the basics of Adobe Photoshop graphic software.

*Students will receive a Kirkwood College credit for this course as well as a high school credit.

Course Title: Senior Studio I (with instructor approval)

Grade Level: 12 Prerequisite(s): Intermediate Art
Credit(s): 1 or 2 Course Length: 9 or 18 Weeks

Method of Evaluation: 60%-projects, 15%-research, 15%-sketchbook/journal, 10%-weekly log sheets

No General Fees: There will be a charge for materials used for personal projects.

Course Description: Senior Studio is a course designed to fulfill the needs of the serious art student, especially the one who is bound for an art related vocation. In order to meet the unique needs of this individual, the course content will be determined jointly by the student and instructor in the first few days of the term.

A portfolio will be required before students are allowed to take the course. See instructor for portfolio guidelines.

By this time, the serious art student will have developed a preference for certain endeavors of artwork, or perhaps has discovered new challenges. Therefore, the course content may include specialized work from any of the basic art areas, such as, landscape painting, portrait drawing, wheel-thrown pottery, or wood sculpture. The student may have plans for future work in more areas of study; such as, architecture, photography, fashion or furniture design, or advertising. Sr Studio will therefore be "custom designed" to fit his or her unique needs, and get a jump on a career. Senior Studio can be considered a "college bound" art course. Students will be required to build a portfolio of their work.

In order to accommodate the serious, art career-bound student, it will be possible to repeat Senior Studio (referred to as Senior Studio II) for additional credit. This will be allowed only with prior instructor approval. It can be repeated for either 1 or 2 credits (1 term or 1 semester).

Course Title: Senior Studio II (with instructor approval)

Grade Level: 12 Prerequisite(s): Senior Studio I
Credit(s): 1 or 2 Course Length: 9 or 18 Weeks

Method of Evaluation: 60%-project and studio work, 20%-test and quiz scores, 20%-effort and attitude

No General Fees: Additional fees may be charged according to the amount of material used.

Course Description: In order to accommodate the serious, art career-bound student, it will be possible to repeat Senior Studio (referred to as Senior II) for additional credit. This will be allowed only with prior instructor approval. A research paper on a particular artist(s), style, or area of art study is required, and substitutes as a semester test.

Business and Technology

Kirkwood Articulation: Articulation courses are eligible for Kirkwood Community College credit in certain programs specified below—articulation credits are NOT transferable to a four-year college. In order to utilize articulation credits, students must enroll at Kirkwood within ONE year of graduation. Center Point-Urbana students can receive an articulation credit for Intro to Accounting by completing both Accounting I and Accounting II.

Course Title: Accounting I * (Articulated) – Offered 2010-2011

Grade Level: 10-12 Prerequisite(s): Algebra I

Credits: 2 Course Length: 18 weeks

Method of Evaluation: Students will be evaluated on daily work, chapter quizzes, projects, simulation packets, and test scores.

Course Description: The student will develop an understanding of fundamental principles, procedures, and forms used in accounting as applied to the needs of an individual, family, service business, or commercial business. A textbook is used as well as working papers and practice sets. Work must also be done outside class on a regular basis. This class is recommended for possible college business majors and also for those going on to office assistant or information system management programs. **To be considered eligible to receive credit for Introduction to Accounting from Kirkwood, CPU students must complete the course with a B or better average.**

Course Title: Accounting II * (Articulated)

Grade Level: 11-12 Prerequisite(s): Accounting I

Credits: 2 Course Length: 18 Weeks

Method of Evaluation: Students will be evaluated on daily work, chapter quizzes, projects, simulation packets and test scores.

Course Description: This course is designed to increase the students' knowledge of accounting in the following areas: departmentalized accounting, automated accounting, accounting adjustments, corporate accounting, management accounting, and cost accounting. A textbook is used as well as working papers, and practice sets. **To be considered eligible to receive credit for Introduction to Accounting from Kirkwood, CPU students must complete the course with a B or better average.**

Course Title: Introduction to Business

Grade Level: 9-12 Prerequisite(s): None

Credits: 1 Course Length: 9 Weeks

Method of Evaluation: Student evaluation will be based upon performance on daily work, tests, projects, and quizzes.

Course Description: This course is designed to help students be more aware of financial issues that could affect them now and in the future. The student will be introduced to various aspects of the business world and his/her role in it. Areas to be covered include the economic system, the nature and form of American business, international business, consumer rights and responsibilities, and entrepreneurship (small business ownership). It is strongly recommended for those interested in additional business courses.

Course Title: Personal Finance

Grade Level: 9-12 Prerequisite(s): None

Credits: 1 Course Length: 9 Weeks

Completing Introduction to Business prior to this class is strongly recommended.

Method of Evaluation: Student evaluation will be based upon performance on daily work, tests, projects, and quizzes.

Course Description: This class covers personal financial topics such as banking and financial services, consumer credit, saving and investing, insurance, and budgeting. It is strongly recommended for those interested in additional business courses.

Course Title: Introduction to Computer Business Applications – Offered 2010-2011

Grade Level: 10-12 Prerequisite(s): Intro to Word Processing

Credits: 2 Course Length: 18 Weeks

Method of Evaluation: Students will be graded on tests, daily work, and their ability to use the software effectively and efficiently.

Course Description: This class is designed to introduce computer applications used in the business office. Students will use the Microsoft Office package, which includes following applications: Word, Excel, Access, Power Point, and Outlook. Students will use workbooks with teacher facilitation.

Course Title: Intro to Word Processing

Grade Level: 9-12 Prerequisite(s): None

Credits: 1 Course Length: 9 Weeks

Method of Evaluation: Student grades are based upon performance in these areas: (1) timed writing scores, (2) daily assignment grades, (3) technique, and (4) test scores (both written and keyed).

Course Description: The student will review appropriate operation of the QWERTY keyboard. The student will learn appropriate formats for memorandums, personal/business letters and envelopes, unbound reports with reference lists, and tables. The student will be required to pass three- and five-minute writings with a minimum number of errors.

Course Title: Desktop Publishing

Grade Level: 11-12 Prerequisite(s): Intro to Word Processing

Credits: 2 Course Length: 18 Weeks/Time Outside Class

Completing Introduction to Computer Business Applications prior to this class is strongly recommended.

Method of Evaluation: Students will be graded on document production, tests, daily work, advertisement and book sales, and pages completed for the yearbook.

Course Description: Students will use Adobe Photoshop and InDesign software, digital photography, and scanners to create brochures and other desktop publishing applications. These skills will then be applied to developing yearbook pages. Students will also discuss yearbook terminology, layout styles, plus captions and text writing.

Since the yearbook is a task to be completed over the entire year, students enrolled will be responsible for activities and meetings during the entire year and not just the term their class meets. Students will receive their grades when they have their required work completed.

FAMILY AND CONSUMER SCIENCES

Course Title: Family Consumer Sciences I (Beginning FCS)

Grade Level: 9-12 Prerequisite(s): None

Credit(s): 2 Course Length: 18 Weeks

Method of evaluation: Lab, projects, test discussion, assignments

No General Fees: Students are required to provide for a personal sewing project at about \$15-20. During foods they will need to bring in ingredients for recipes.

Course Description: This is a course with a focus on foods preparation and clothing construction. Students will have labs to perform in food, tests, and worksheets. In clothing, students will learn the sewing machine functions, a study on fibers, and garment construction. The final unit will be drawing floor plans, and learning about furniture arrangements. Students will compare the aspects of various renting or owning a home. A look at citizenship, personal qualities, and career and employability skills are also part of the curriculum.

Course Title: Clothing

Grade Level: 9-12 Prerequisite(s): None

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Garment construction, sewing samples, worksheets, tests

Course Description: Students will learn various construction methods, seam finishes, and facts about the fabrics they use. The course includes construction of two garments. The cost will be determined by materials and type of garments chosen, but most students spend from \$5.00 to \$15.00 per garment. The students will also use the embroidery machine on a project. They will learn the computer application for this project.

In addition to sewing skills, there is textbook, offering information on ready-made garments: how they are designed, who the designers are, the clothing industry retail sales, and choosing styles of clothing.

Course Title: Foods I

Grade Level: 11-12 Prerequisite(s): None

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Labs, tests, worksheets, workmanship, cooperation in groups.

No General Fees: Commodity food items are provided by the school, but students are required to supply the other ingredients for recipes. They may have labs 2 or 3 times per week, and may need to bring several ingredients.

Course Description: Units of study will include kitchen equipment, safety, grocery shopping and meal planning. The class will cover food preparation and studies on different foods units from the food guide pyramid.

Course Title: Career Lifestyles

Grade Level: 12 Prerequisite(s): 9, 10 English/Have a Job

Credit(s): 1 - 4 Course Length: 9 - 36 Weeks (1 thru 4, or 1-2)

Method of Evaluation: Students will be evaluated through daily grades and individually completed. Projects in class and evaluate on job site by the employer and the teacher. A C+ must be maintained in order to remain in the course.

Course Description: This is an applied course that focuses on job-related skills. It explores how to use your personality, value system, intellect, and hobbies to help choose career goals whether attending college or entering the world of work. The class will learn to use practical English skills for writing letters of application and resumes. Students will individually research careers that interest them. The second section of the class is at a work site and must be approved by the teacher. The place of employment cannot be owned or operated by a relative. The employer and the teacher will evaluate students. The student must be employed for 10 hours per week. It is recommended that students have a job before they enter the class. Grades are given for hours worked satisfactorily. Students must have a job to continue the course past the first term. Quitting or being fired will result in removal from class at the end of the term.

Course Title: Marriage and Family

Grade Level: 12 Prerequisite(s): None

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Tests, worksheets, reports, and general classroom participation and involvement.

Course Description: The course looks at preparation for marriage in units of study on the self, dating, engagement, and marriage. Further study takes a look at the responsibilities of a married couple, sex education, family planning, money management, and communication skills. The focus is to prepare for a successful family life and to understand how important families are.

Course Title: Lifeline I

Grade Level: 9 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: The Lifeline grade will be based upon quizzes, tests, observation, class participation and written work.

Course Description: This is a required class. Instruction will include the following topics: Personal Health, Nutrition, Mental Health (stress management and suicide), Safety and Survival Skills, Family Life, Emotional and Social Health, Health Resources, and Human Sexuality including Sexually Transmitted Diseases.

Course Title: Lifeline II

Grade Level: 10-12 Prerequisite(s): Lifeline I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: The Lifeline grade will be arrived at by evaluation on quizzes, tests, observation, class participation and written work.

Course Description: Instruction will include the following topics: Wellness and Holistic Health, Consumer Health (selecting and understanding medical facilities and medical workers for your use), substance abuse use and abuse, Personal Health (diabetes, cancer, heart disease, stroke, arthritis), Aging Death and Dying (grieving, funerals).

Course Title: Lifeline III (Individual Readings in Health)

Grade Level: 11-12 Prerequisite(s): Lifeline I & II
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: The Lifeline grade will be based on two projects and a conference with student.

Course Description: This course is completely individualized. The students will complete projects over topics they have chosen. The topics for the papers can be on any subject relating to health studies such as exercise, consumer health, diseases, death and dying, etc.

Two typed projects are required each term. The project can be based on a combination of books, approved videos, newspaper articles, interview videos, and other approved materials. These will be typed and must include a bibliography. Projects are due at midterm and at the end of each term.

After the instructor has read the report, a conference with the student will be held and a grade, based on the quality of the project and the knowledge shown by the student will be given. The instructor will be available if the student needs help, advice, guidance, etc. in choosing a topic or finding sources of information.

Course Title: Child Development/Parenting

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Test, worksheets, projects and general classroom participation and involvement.

Course Description: Introduction to the growth and development of children, prenatal through early childhood. Course will feature physical, social, emotional, and intellectual development. Classroom activities will include observation and interaction with children. This course will provide a good basis for those wanting to work with children (teaching or daycare) or parent in the future.

Course Title: Child Development II (Individual Reading & Work Study in Development)

Grade Level: 12 Prerequisite(s): Child Development I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Grade will be a combination of performance and report scores.

Course Description: The students will complete readings in child development, which students will report upon. The student will be assigned to a childcare provider or center. Student will be responsible for performing activities as assigned by the provider and the instructor.

INDUSTRIAL EDUCATION

Course Title: Wood Technology I

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Tests, worksheets, projects, plans and semester tests

No General Fees: Individual projects will cost extra.

Course Description: A 9 week course, Wood Technology, is an introductory course in hand and power tools. Students will use the common skills necessary to work with machines to create woods for furniture and cabinet construction. Safety and accepted shop procedures will be emphasized during the introduction of hand tools and basic machine work.

Actual experience will be learned from hands on work financed by the students. Planning the steps to make project and figuring the cost of the acceptable project form an integral part of this assignment. Texts and various visual aids will be used during the course to present related material on beginning woodworking.

Course Title: Wood Technology II

Grade Level: 10-12 Prerequisite(s): Wood Technology I & Drafting I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Unit tests, semester tests, safety tests, lab work, project work

No General Fees: Individual projects will cost extra.

Course Description: This is a one-term course for grade levels 10, 11, and 12. The course is designed as a project course for students to improve their woodworking skills. An advanced technological approach toward woodworking will be stressed. Student must have had a C or above average in Wood Technology or special permission from instructor.

The course is designed to cover safety in the wood shop, tool and machine usage, wood identification, shop procedures, and careers involving wood technology.

Course Title: Basic Auto

Grade Level: 10-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Chapter test, semester tests, quizzes, and lab work

Course Description: This is a one-term course, which is available for grade levels 10, 11, and 12. Enrollment will be based on seniority. This course will cover the basic operating principles of the automobile, and the operator maintenance involved in safely and economically maintaining the automobile. Emphasis will be placed upon minor repair, adjustment, and service, for the mechanical parts. The course is designed to cover safety in the automotive shop, tool usage, shop procedures, and careers in the automotive industry.

Course Title: Manufacturing Technology

Grade Level: 10-12 Prerequisite(s): Woods I & Metals I
Credit(s): 1 Course Length: 9 Weeks

Methods of Evaluation: Lab work, unit tests, semester tests

Course Description: Manufacturing Technology is designed to cover today's trend in the technology world. The course will cover the usage of technology equipment with emphasis on computer literacy. Research in manufacturing and business will be a major part of this course with a goal of producing a marketable product.

Course Title: Metals Technology

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Unit tests, quarter test, labor work and project work.

No General Fees: Individual project costs are extra.

Course Description: This is a one-term course for grade levels 9-12. One term of drafting would be helpful. The course is designed to introduce students to cover safety in the metals shop, tool usage and identification. Project work will include bench and wrought iron, forging and heat

treating steels, metal spinning, sheet metal, arc and oxy-acetylene welding skills and thread cutting. After completing the required areas, the student will design a satisfactory project of his/her liking for construction in any or all of the areas available.

Course Title: Basic Electricity

Grade Level: 9-12 Prerequisite(s): Algebra I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Quizzes, labs, test, daily work, electronics kit

Course Description: Basic Electricity I is a course that will give the student a good understanding of fundamental ideas in electricity, including: AC & DC circuits, series/parallel circuits, circuit diagrams and analysis, resistance, voltage, Ohm's law and electronic components. Emphasis is on lab work with lots of opportunity for student experimentation and exploration. Calculations of electrical values will be done throughout the course. Electrical soldering will also be taught.

Course Title: Drafting/Design

Grade Level: 9-10 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Drawings will be evaluated by the instructor on such qualities as neatness, accuracy, and concepts used in the drafting field.

Course Description: Drafting is a one-term course for grade levels 9-12. It is a study of mechanical drawing while providing for those students interested in industrial arts, drafting and industrial-related vocations. It is designed to develop knowledge and skills in the reading and development of drawings. Students will work in AutoCAD and Inventor.

Activities will include exercises in constructing and reading many types of labels and drawings such as; the alphabet of lines, geometric construction, orthographic and isometric projections, dimensioning, and pictorials. These exercises will be performed almost entirely on computers, using CAD (Computer Aided Design) software. We will also review math skills needed to do accurate drawings.

Emphasis will be placed on accuracy, neatness, overall appearance, and other concepts used within the drafting field. Computer training allows more possibilities in 3-D design and rendering of solids. A grade of "C" or better in this course is required before taking any advanced drafting courses.

Course Title: Advanced Design and Animation

Grade Level: 10-12 Prerequisite(s): Drafting/Design or PLTW: Introduction to Engineering
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Drawings will be evaluated by the instructor on such qualities as neatness, accuracy, and creativity as well as other concepts used in the drafting field.

Course Description: Drafting III continues the CAD (Computer Aided Drafting) process, and adds animation techniques, allowing students to render solid objects and show them in motion. Students will work with the addition of lights and colors, and surface details. Students will work in two drafting programs: 3D Studio Max and Inventor.

A strong work ethic and problem-solving skills will be a great help for a student taking this course. Students need to think 4-dimensionally to succeed in this course.

Course Title: Computer Programming

Grade Level: 10-12 Prerequisite(s): Algebra I (with at least a C)
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Programs, homework, quizzes, unit tests, and final program

Course Description: The student should enjoy problem-solving and/or working puzzles. Programming will be applicable to most careers. Some obvious applications are in science, engineering, business, medicine, laboratory work, and industry. The course work will consist of writing and interpreting programs in the C++ language using the computer and learning to recognize the terminology and equipment of the computer industry.

Course Title: Computer Exploration

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Quizzes, tests, class participation, completion of assignments, and projects.

Course Description: This is a one-term course for grades 9-12. Included will be WINDOWS techniques, basic DOS skills, computer animation, multimedia applications, and on-line research skills. Students will use word processing, spreadsheets and graphics software. They will also learn how to design web pages.

Course Title: CISCO Networking I

Kirkwood Community College Credit (3 hours)
Grade Level: 10-12 Prerequisite(s): Algebra I
Credits: 1 Course Length: 9 Weeks

Method of Evaluation: Quizzes, tests, class participation, completion of assignments, and projects.

Course Description: This course introduces students to basic concepts involved in Computer Network construction. It includes hardware involved in networks, and ways to connect computers to each other. Students will learn OSI and TCP/IP models for network operation, and build a vocabulary of terminology used in this field. This requires a lot of attention to detail, especially in use of the binary number system.

All class reading is done via the Internet, so it is highly recommended that students have access to the Internet at home or somewhere else outside of school hours. Readings are equivalent to a 500 page textbook.

Course Title: CISCO Networking II

Kirkwood Community College Credit (3 hours)
Grade Level: 10-12 Prerequisite(s): CISCO I
Credits: 1 Course Length: 9 Weeks

Method of Evaluation: Quizzes, tests, class participation, completion of assignments, and projects.

Course Description: This course builds on CISCO Networking I. Students will learn techniques for programming Network Routers. They will also design and build small Local Area Networks in Class.

All class reading is done via the internet, so it is highly recommended that students have access to the internet at home or somewhere else outside of school hours. Readings are equivalent to a 300 page textbook.

IMPORTANT:

1. Seniors who take this class during the 4th term must continue to attend daily classes until the term is finished. This is a college credit class, and does not allow early release like the high school classes do.
2. It is highly recommended that students take CISCO Networking 1 & 2 in consecutive terms. A 1-year gap between the classes causes much information to be lost from lack of use.

Project Lead the Way (those offered at CPU this year)

Course Description: Project Lead the Way is a high school pre-engineering curriculum designed to help students develop better problem solving skills by immersing them in real-world engineering challenges. The courses all use project-based, hands-on experiences to teach students the key elements and skills of engineering and technology-based careers. By completing a series of Project Lead the Way courses, students will be preparing themselves for the demanding rigor of two year engineering technology and four year engineering programs. Courses available include:

Course Title: EGT-400 Introduction to Engineering Design™

Grade Level: 9-12 Prerequisite or Co requisite: Algebra I or Extended Algebra I
Credits: 2 Course Length: 18 Weeks

Course Description: Uses a design development process while enriching problem-solving skills; students create and analyze models using specialized computer software.

Course Title: EGT-410 Principles of Engineering™

Grade Level: 9-12 Prerequisite: Introduction to Engineering Design, Algebra I

Co requisite: Approved college-prep math course

Credits: 2 Course Length: 18 Weeks

Course Description: Explores technology systems and manufacturing processes; addresses the social and political consequences of technological change.

Prerequisite Information: Introduction to Engineering Design is considered a prerequisite to Principles of Engineering, which is in turn a prerequisite for all other courses. Algebra I is a co requisite for Introduction to Engineering Design, and a college-prep math course is a co requisite for all other Project Lead the Way courses.

Employability/Certification: PLTW courses do not lead to a certificate or give you “stand-alone” employable skill-sets. The courses are designed to prepare you for a rigorous post-secondary STEM education.

INTERNATIONAL LANGUAGES

Course Title: Spanish I

Grade Level: 9-12 Prerequisite(s): None

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily written, oral and listening comprehension work, weekly quizzes, chapter tests and semester tests will be graded. Tests include opportunities for speaking, writing, reading and listening in the Spanish language.

Course Description: Students enrolled in Spanish classes will benefit from the use of an extensive program, JUNTOS. The JUNTOS program is based on thematic chapters. Each chapter allows students to study vocabulary, culture, and grammar pertinent to the theme. Throughout the JUNTOS series, students explore a variety of Spanish speaking areas of the world. Their exposure to the language and culture is enhanced through the use of video & audio cassettes, magazines, and CD Rom. JUNTOS develops the learner’s speaking, listening, reading, and writing abilities in Spanish and these things are assessed through assignments (both oral and written), quizzes and exams. Spanish I begins with an extensive overview of vocabulary and some grammar that will be used throughout the book. Students will cover 3 units (6 chapters) and learn about the cultures of Mexico, Texas, and Puerto Rico.

Course Title: Spanish II

Grade Level: 10-12 Prerequisite(s): Spanish I

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily written, oral and listening comprehension work, weekly quizzes, chapter tests and semester tests will be graded. Tests include opportunities for speaking, writing, reading and listening in the Spanish language.

Course Description: Students will continue with the JUNTOS program. Spanish II begins with a series of review lessons covering material from Spanish I. Students will then cover 3 units (6 chapters) and learn about the cultures of Spain and South America.

Course Title: Spanish III

Grade Level: 11-12 Prerequisite(s): Spanish I & II

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily written, oral and listening comprehension work, weekly quizzes, chapter tests and semester tests will be graded. Tests include opportunities for speaking, writing, reading and listening in the Spanish language.

Course Description: Students will begin the Juntos II text after an extensive review. Students will be expected to speak Spanish in class and will need to do so to earn an A for a grade. Spanish III covers six chapters. Some themes are review, but covered in greater detail, and some are new. Students will learn about the cultures of Mexico, Costa Rica, and the Dominican Republic.

Course Title: Spanish IV

Grade Level: 12 Prerequisite(s): Spanish III

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily written, oral and listening comprehension work, weekly quizzes, chapter tests and semester tests will be graded. Tests include opportunities for speaking, writing, reading and listening in the Spanish language.

Course Description: Students will continue with the Juntos II text after a brief review. Students will be expected to speak Spanish in class and will need to do so to earn an A for a grade.

Spanish IV covers six chapters. Some topics are review, but in greater detail, and some are new. Students will learn about the cultures of Argentina, Spain, and Latino communities in the United States. In addition, students will read excerpts from “Don Quiote” and a reader “Parabienes”.

LANGUAGE ARTS

Course Title: 9 English

Grade Level: 9 Prerequisite(s): None

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students are evaluated on daily grades, unit tests, and writing assignments. Test scores, daily averages, and a writing assignments are kept separate and then averaged together for a final grade.

Course Description: Ninth grade Language Arts consists of lessons in mechanics, grammar, reading, and writing. The reading program reinforces reading skills previously learned, such as comprehension and interpretation, as well as examination of form and technique. The writing program is used in conjunction with the literature units and through assigned topics. A research project is part of the 9th grade curriculum.

Course Title: Individualized Literature

Grade Level: 9 & 10 Prerequisite(s): None

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students are evaluated on their work on book projects and participation in quiet daily reading, class activities, and vocabulary / reading logs.

Course Description: This course concentrates on students reading many books within areas of their reading interests, as well as expanding upon these reading interests. Due to an expanded class period, time will be divided between reading, group and individual sharing/writing, activities, vocabulary expansion and book project and report presentations. To judge whether or not students’ reading abilities and fluency rates improve, all students will participate in regular reading evaluations. This is a course designed for students who like to read extensively.

Course Title: Language Arts Lab

Grade Level: 9 Prerequisite(s): Instructor approval

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students are evaluated using various reading comprehension tests and quizzes, vocabulary quizzes and activities, writing assignments, and daily comprehension activities. The student will receive a grade for the percentage of points he/she has accumulated.

Course Description: Language Arts Lab is designed to help students with their reading comprehension and writing skills. The course incorporates several strands: extensive independent reading at students’ recreational level, vocabulary development at both age-appropriate and recreational reading levels, comprehension instruction for both lower- and higher-

order comprehension tasks in fiction and non-fiction materials, fluency instruction and monitoring, and writing as an assist to comprehension.

Course Title: 10 English

Grade Level: 10 Prerequisite(s): 9 English

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students are evaluated on their daily assignments, reading and writing workshops, projects, vocabulary, and quizzes/tests.

Course Description: English 10 is an eighteen week-two term course required for all sophomores. In the course, students will study several aspects of reading and writing, poetry and drama. The writing workshops reinforce the writing process, developing grammar and usage and modes of writing. The reading program focuses on comprehension, analysis and vocabulary development.

Course Title: Poetry

Grade Level: 11-12 Prerequisite(s): 9 & 10 English

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students will be evaluated through research projects, unit tests, poetry writing and reflection, and class participation.

Course Description: The purpose of this class will be to familiarize students with the tools and techniques of poetry from around the world. Class discussions about poetry will encourage students to relate poetry to themselves and the world around them. Students will also be able to practice their skills by writing and creating their own poetry selections. Oral and written interpretation of these poems will be emphasized. In addition, students' research skills will be utilized when presenting works of famous poets.

Course Title: Expository Writing

Grade Level: 11-12 Prerequisite(s): 9, 10 English

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students will be evaluated on daily grades, quizzes, tests, writing assignments, and newspaper articles. Essays will be graded on form, content, and meeting the purpose of the assignment.

Course Description: Composition courses focus on a student's writing skills and develop the student's ability to compose different types of papers for different purposes and audiences. Descriptive, narrative, persuasive, or expository styles will be explored and practiced as students write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Students will conduct interviews and write newspaper articles weekly for the Linn County Newsletter.

Course Title: Creative Writing

Grade Level: 11-12 Prerequisite(s): 9, 10 English

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students are evaluated on their writing assignments and their participation in daily activities. Their journals and use of class time will also be evaluated.

Course Description: This is a one-term course offered to grades 11 and 12. It is designed to enable the student to express himself/herself through writing by providing students with opportunities to use diverse means of self-expression. The class will also give students techniques for transforming ideas to a structured art form. Much of the class time will be used as a writing lab. Students will keep a daily journal. Students will read and analyze various writing models.

Course Title: Advanced Placement (AP) Literature & Composition

Grade Level: 12 Prerequisite: 9, 10, 11 English; (World Lit. Recommended)

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students will demonstrate their understanding of class readings by producing 3-5 analytical essays each term, timed writings, and objective tests. In addition, students will actively engage in small and large group discussions and seminars, give oral

presentations, and complete reading journals and daily written responses to literature and discussion.

Course Description: Advanced Literature & Composition is for high school seniors capable of doing in-depth college-level work who are willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses. The course emphasizes the development of skills of analysis in critical reading of literature, and writing about literature and related ideas in their historical context.

Course Title: American Literature & Composition

Grade Level: 11, 12 Prerequisite(s): 9, 10 English

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students will be evaluated on quizzes, tests, essays, class discussions, oral presentations, and novel reading.

Course Description: American Lit and Comp is a required course for juniors who are college-bound students intending to pursue a 4-year degree. Previous knowledge and understanding of essay writing and analysis of literature is required. This course will provide a chronological study of American authors and their writings with an overview of the historical time period. All types of American writing will be studied including poetry, prose and drama. Students will discuss assigned works in class to produce essays and oral presentations, which analyze author's meaning and the importance of the historical time period of the works. Attention will also be given to the American novel.

Course Title: Modern Literature & Composition

Grade Level: 11, 12 Prerequisite(s): 9, 10 English

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Students will be evaluated on quizzes, tests, essays, class discussions, oral presentations, and novel reading.

Course Description: Modern Lit and Comp is a required course for juniors who are looking at a community college or vocational program after graduation or planning to enter the workforce. This course is designed to incorporate the skills of composition writing with the study of modern literature. This course will provide a study of modern writing in a number of genres: fiction, non-fiction, and drama. Students will discuss assigned works in class and produce essays and oral presentations to analyze author's meaning and how the work reflects society's problems and cultures.

Course Title: World Literature

Grade Level: 11-12 Prerequisite(s): 9, 10 English

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students will be evaluated on written responses to works read in class, daily assignments, essays, class participation, and tests.

Course Description: World Literature is highly recommended for students planning to attend college.

Students not planning to attend college or with little interest in higher level literature should not enroll. The course takes a look at Greek/Roman mythology, Shakespeare's Hamlet, Asian literature, African short stories, Wilde's Importance of Being Earnest and Weisel's Night. The focus of the class is to understand the world and how it relates to the student through famous literature. Students will do various written responses to the works read in class, and will participate in oral reading and presentations.

MATH

Course Title: Pre-Algebra

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Homework, labs, chapter tests and final exam

Course Description: This course will prepare students for algebra and geometry courses. It will combine the study of some pre-algebra and algebra topics with some geometry basics. This course will include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

/Review topics/: arithmetic using rational numbers, measurement systems, and basic statistics

Course Title: Extended Algebra

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 4 Course Length: 36 Weeks

Method of Evaluation: Homework, quizzes, chapter tests, and a final exam

Course Description: This course will span an entire school year on the block scheduling. This course will generally cover the same topics as Algebra I, including the study of properties of rational numbers, ratio, proportion, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, solving equations and inequalities, and solving simple quadratics. The fourth quarter will be dedicated to the basics of geometry including topics such as properties of plane and solid figures, rules of congruence, parallelism, perpendicularity, and rules of angle measurement in triangles.

/Review topics/: basic statistics, basic measurement, perimeter, area, and volume.

NOTE: Extended algebra will satisfy Algebra I requirements and will show as Algebra I on transcripts. This class will also cover basic geometry to meet the Iowa Core Curriculum.

Course Title: Algebra I

Grade Level: 9-12 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Homework, quizzes, chapter tests, and a final exam

Course Description: Algebra I is a one-year course covering the properties of natural numbers, whole numbers, integers, and rational numbers. In addition, equations, inequalities, polynomials, factoring, graphing, linear equations, systems of linear equation, algebraic fractions, radicals, quadratic equations, sets, functions, and relations are studied.

Course Title: Algebra II

Grade Level: 10-12 Prerequisite(s): Algebra I
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Homework, quizzes, chapter tests, and final exams

Course Description: This course covers all of the topics in Algebra I in more depth. In addition, exponents, powers, roots, complex numbers, graphing of quadratics, exponential functions, matrices, determinates, probability and trigonometry are studied. It is intense and will consistently have homework. This course must be taken with a commitment to hard work and class participation. Successful passage of this class is a prerequisite for Advanced Mathematics.

Course Title: Consumer Mathematics

Grade Level: 11-12 Prerequisite(s): Algebra I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Homework, Activities, Unit Tests, and Final Report/Presentation

Course Description: The students will need a good scientific calculator. The focus will be on real world mathematics. This will include linear relationships, geometric relationships, credit cards, loans and interest, deciding what to buy, getting the best deal, budgeting, salary and take-home pay, buying and maintaining a vehicle, and finding a place to live.

Course Title: Geometry

Grade Level: 9-12 Prerequisite(s): Algebra I

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Homework, quizzes, chapter tests, reports, and a final exam**Course Description:** This is a study of points, lines, and geometric figures on a plane and in space. Topics include parallel lines, congruent triangles, right triangles, circles, areas, and volumes. It also includes logic, proofs, and applications of geometrical principles. Deductive reasoning is emphasized throughout the course with algebraic skills reinforced in the daily lessons. This course is recommended for college-bound students. At least a "C" grade in Algebra I is recommended for success in this class.**Course Title: Contemporary Math**

Grade Level: 11-12 Prerequisite(s): Geometry

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Homework, Activities, Chapter Tests, and Final Report**Course Description:** The students will need a good scientific calculator. The focus will be on statistics, probability, right triangle trig and regular trig, systems of equations, patterns and functions, linear equations, logic, the history of mathematics, and problem solving.**Course Title: Advanced Mathematics***

Grade Level: 10-12 Prerequisite(s): Algebra II

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily homework, quizzes, chapter tests, semester tests, special projects and reports.**Course Description:** This course will study functions, matrices, graphic calculators, sequences and series, probability, statistics, and trigonometry. College bound students should be ready after this course to start calculus in college. Successful passage of this class is a prerequisite for Calculus.**Course Title: Calculus**

Grade Level: 11-12 Prerequisite(s): Adv. Math

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Homework, chapter tests, final exam, special projects and reports.**Course Description:** This course will cover limits, differentiation, integration and many of their applications such as slopes, rates, areas, volumes, tangents, mean values, and surfaces of revolutions. This course is designed to introduce calculus, not replace first year college calculus.**Course Title: Advanced Placement (AP) Statistics Trigonometry***

Grade Level: 11- 12 Prerequisite(s): Algebra II

Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily homework, quizzes, chapter tests, semester tests, special projects and reports.**Course Description:** This course will prepare students for college level statistics. It covers analysis of data, production of data, probability and random variables, and inference. These topics will be further broken down to include representing data, measures of central tendency, variability, normal distribution, regressions, bias, significance, event probability, random variables, probability distributions, central limit theorem, confidence intervals, hypothesis testing, one and two sample populations, and chi-square tests. The course will prepare students to take the AP Statistics test.

MUSIC

Course Title: Band

Grade Level: 9-12 Prerequisite(s): Director's permission if not a member for all of the previous year.

Credit(s): 4 Course Length: 36 Weeks

Method of Evaluation: Participation and general effort, skill, and attitude

Course Description: Band is a four-term course. It includes concerts, football halftime shows, basketball half times, jazz festivals/competitions, and solo contests. The senior high band meets daily.

Band is an elective. It meets both before and during the school day. Grades are based upon the student's attendance (this includes lesson attendance), and performance of assignments. One full credit is given each term. These credits count towards meeting the requirements for graduation. Marching band meets from the beginning of school until the end of football season. Rehearsals for marching band start at 7:30 a.m. every day. This activity is part of the overall grade with attendance required. Juniors and Seniors in marching band may apply for a waiver of PE credit each year.

The performance opportunities available to band students outside of school time also qualifies band as an activity. Since much of the group rehearsal (class time) is used to prepare for these performances, the student's attendance at these activities is required and does affect the report card grade.

Course Title: Concert Choir

Grade Level: 9-12 Prerequisite(s): None

Credit(s): 4 Course Length: 36 Weeks

Method of Evaluation: Attendance at concerts/performance and lessons; Class participation, conduct, attitude, effort, listening skills, and musicianship.

Course Description: Major emphasis is placed upon the study and performance of choral literature from different musical periods and learning to properly use the vocal instrument. They meet daily and are split into separate choirs: 9-10 non-band/vocal students and select 11-12 non-band/vocal students (Mixed Chorus) and select 11-12 non-band/vocal students and all 9-12 band/vocal students (Concert Chorale). Grades are based upon the student's voice lessons, participation, memorization and performance. These choirs make several public appearances during the year: fall, winter, spring and Pops Concerts, as well as the Iowa State Large Group Festival. Auditions are not required.

PHYSICAL EDUCATION

Course Title: Physical Education

Grade Level: 9-12 Prerequisite(s): None

Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Students are graded on a point system based on active participation, proper attire, tests, and projects.

Course Description: Students will be asked to demonstrate skill development and knowledge of the components that lead to a healthy and active lifestyle. The first area will be Personal Wellness, which will deal with improving your own fitness. This will be done through workouts in the school's fitness center. The second area will be Recreation. This will be made up of activities such as: weight training, basketball, volleyball, soccer, softball, whiffle ball, tennis, badminton, aerobics, wrestling, Frisbee golf, bocce, croquet, and other outdoor activities.

*Note: Not all terms will feature the same activities.

SCIENCE

Course Title: 9th Science

Grade Level: 9 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Independent projects, notebooks; activities & labs, homework and tests
Course Description: Topics in physics such as the laws of motion, work, light, sound, and heat will be introduced. Students will gain an appreciation for the general sciences and develop base knowledge for more advanced study.

Students will also continue to develop their scientific thinking abilities and laboratory skills as this course includes a great deal of laboratory study.

Course Title: Biology

Grade Level: 10 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Daily work, labs, written assignments, tests, and participation
Course Description: The basic topics covered are anatomy, genetics, and patterns of life through time, cells, ecology, and scientific awareness. Methods of presentation include discussion, lab, group presentations and inquiry. The importance of understanding the intricate pattern of life is stressed throughout the course.

Course Title: Earth Science

Grade Level: 10-12 Prerequisite(s): 9 Science
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Daily work, activities and laboratories, written assignments and tests
Course Description: This course focuses on the study of the earth. The topics covered include earth formation and history, erosion, plate tectonics, and energy/conservation.

Course Title: Chemistry

Grade Level: 11-12 Prerequisite(s): Algebra I
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Tests, labs, lab reports, and homework
Course Description: This is an introductory course in Chemistry. We will cover the basic concepts of matter and its changes, both physical and chemical, in a format of lecture-discussion, laboratory work, and problem solving. Chemistry is applicable to careers in medicine, science, engineering, nursing, agriculture, home economics, photography, pharmacy, and lab work. Those interested in any type of science career would benefit from the course.

Course Title: Advanced Chemistry

Grade Level: 12 Prerequisite(s): Chemistry
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: lab work, lab reports, tests, quizzes and daily assignments
Course Description: The first term is devoted to a review and extension of the main ideas from general chemistry. The second term introduces organic chemistry through a study of properties and reactions of families of compounds. Lab skills are stressed. Class size is small so students receive a great deal of individual attention in a challenging subject. This course is recommended for those interested in a science career.

Course Title: Botany

Grade Level: 10-12 Prerequisite(s): Biology/teacher recommendation
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Daily work, class discussions, labs, quizzes, and tests
Course Description: Botany is a plant taxonomy and horticulture course. This course will survey the entire plant kingdom as well as plant care. Emphasis will be placed on the morphology, anatomy, physiology, and ecology of plants. Course work will be covered by lecture discussions and lab work.

Course Title: Advanced Biology*

Grade Level: 11-12 Prerequisite(s): Biology
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Objective and subjective tests, laboratories, and independent research

Course Description: Advanced Biology includes a study of biochemistry, microbiology, molecular biology (advanced genetics). Also included will be a study of invertebrates and vertebrate phyla, and an advanced dissection for the purpose of studying anatomical and physiological systems.

This course is recommended for those with an interest in biology and considering a career in any area of science.

Course Title: Physics

Grade Level: 11 - 12 Prerequisite(s): Algebra II
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Labs, daily work, tests, and quizzes

Course Description: The students in this course will study motion, forces, energy, waves, optics, electricity and some modern physics. Learning activities will include lecture, laboratory experiences and problem solving. This course is highly recommended for students interested in post-high school science study, including the areas of medicine, engineering, agriculture, pharmacy, chemistry, electronics and other areas such as computer programming and software engineering.

Course Title: Experiments in Science

Grade Level: 10 – 12 Prerequisite(s): 9 Science & Algebra I
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Lab reports, quizzes, tests, final project/experiment

Course Description: This course is designed to give students exposure to major ideas of science through experiment. Emphasis is on lab work and correct laboratory procedure and lab reports. Students will learn not only science content but also methods of conducting experiments in science and related fields. Each term will consist of 6-8 topics plus a final experiment, which is designed and implemented by the student.

SOCIAL STUDIES

Course Title: American History

Grade Level: 9 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: All tests, assignments and projects will be assessed a point value. Grading will be based on a percentage of points accumulated from the number of points possible.

Course Description: This is a class in United States history focusing on the periods from reconstruction after the Civil War through the mid-1990's. Emphasis will be placed on the people, economy, political climate, social institutions and changes during this time period. An overall theme of the changes, protection and maintenance of the United States Constitution will be used as a focus throughout the course.

Course Title: World History

Grade Level: 10 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Worksheets, quizzes, tests, short research projects, and class participation will be used to determine a final grade.

Course Description: World History is an overview of our past from the earliest civilizations to the present day societies. It traces the early civilizations and acknowledges cultural, religious, economic, social, and political contributions that have influenced our world today. Time will be

spent studying the ancient civilization of Greece and Rome in order to get a foundation for the principles of democracy and a republican style government. We will investigate causes leading to the downfall of those civilizations and what replaced them. We will study the rise of the major religions of the world. Much of the course will focus on European history as American history is greatly influenced by that. This course will attempt to make connections from past to present, and ultimately teach students to make intelligent decisions/voice their opinions on world issues.

Course Title: Government

Grade Level: 11 Prerequisite(s): None
Credit(s): 2 Course Length: 18 Weeks

Method of Evaluation: Tests, written assignments and quizzes will be evaluated.

Course Description: In the first term, the origins of the American governmental system will be explored. Students will also have the opportunity to learn about political behavior, including political parties and voting, before gaining an in-depth understanding of the three main branches of the federal government. During the second term, students will continue their study of the three main branches of government before turning their attention to civil liberties and civil rights. Finally, students will study State and local government, at which point, State bills and local ordinances will be discussed and debated.

Throughout the semester, students will be required to attend two organizational meetings and participate in at least six hours of service projects within their communities to better understand the workings of local government and gain a sense of civic pride.

Course Title: Introduction to Psychology

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: A point system will be used to determine student grades. The final grade will represent the sub total of points the student accumulates throughout the semester.

Course Description: This course is a survey of major theory in the area of human behavior and mental processes. Units to be studied include human growth and development, neuro-psychology, cognitive development, states of consciousness, psychoanalytic theory, abnormal psychology and social psychology. Readings, simulations, discussions, lectures and group activities will be used during lessons in this course.

Course Title: Consumer Economics

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Worksheets, quizzes, notes, current newspaper articles, papers and projects.

Course Description: This course will try to help students deal with the constantly changing economy. We will emphasize responsibilities as consumers: to manage money and be responsible citizens. The textbook will serve as the foundation for the course and activities will accompany each chapter. We will discuss current economic issues that affect everyday lives and find resources to help be wise consumers. Students will be exposed to the stock market, choose stocks, follow their pattern and make conclusions as to the rise or fall of the stocks. Students will choose a consumer issue, such as banking, insurance, credit, budgeting money, renting an apartment, etc., complete research, and schedule a speaker to come in and inform the class on the topic. Local and Cedar Rapids businesses and corporations will provide resources for this class.

Course Title: Current World Issues

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Tests, quizzes, and special reports will be used for evaluation.

Course Description: This course will deal with the highlights of current events around the world. Students will focus on events as they happen at local, state, national and world levels. Resources used will be Cedar Rapids Gazette, and Internet search engines like USAToday.com,

CNNNews.com, ABC News.com and CBSNews.com. Current World Issues is designed for the students who wish to gain a broader perspective of their own lives in relation to an ever-changing world.

Course Title: Street Law

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Workbook assignments, vocabulary quizzes, projects, and tests

Course Description: Street Law is a course designed to provide an understanding of law and the legal system that will be of use to students in their everyday lives. Some basic goals of the course will be:

- a. encourage effective citizen participation in our legal system
- b. bring about a greater sense of justice, tolerance, and fairness
- c. develop willingness to resolve disputes through both informal and formal methods
- d. improve understanding of roles that law, lawyers, law enforcement, and legal system play in society
- e. provide exposure to many vocational opportunities that exist within the legal system.
- f. understand the steps in civil suits and criminal process from arrest through punishment.
- g. understand impact of constitutional provisions, state statutes, and county/city ordinances on law enforcement.

Resources: Speakers representing the many facets of the legal profession will be a primary resource.

Course Title: Individualized Reading in Social Studies

Grade Level: 12 Prerequisite(s): "B" Average in Social Studies overall, G.P.A.
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Two research papers are due. They will be graded on content, grammar, and punctuation.

Course Description: This course is completely individualized. The students will complete projects over topics they have chosen. The topics for the papers can be on any subject relating to Social Studies such as History, Politics, Economics, Sociology, Government, Civil Rights, etc. Two typed projects are required each term. The projects will be a choice of a research paper, presentations, journal articles and reviews, newspaper articles and reviews, interviews videos and movie reviews, computer work or book reports as agreed upon by the instructor and student - a contract signed. Projects are due at mid-term and at the end of each term. After the instructor has read the report, a conference with the student will be held and a grade based on the quality of the project and if the guidelines for completing the paper have been followed, will be given. The instructor will be available if the student needs help, advice, guidance, etc. in choosing a topic or finding sources of information.

Course Title: Sociology

Grade Level: 10-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Notes, quizzes, tests, and short research projects.

Course Description: The sociology course analyzes sociology in relation to the other social sciences. It looks at the study of human relations and the people who have contributed to this field. The course allows students to look at career choices in the field of sociology and how to apply sociology to student's life. It analyzes cultures and the terminology associated with the family, educational systems, religious institutions, economics, governments, sports, media socialization, culture and social structure. Students write about many social issues including the outsourcing of jobs and the world economy.

Course Title: Service Learning

Grade Level: 11-12 Prerequisite(s): None
Credit(s): 1 Course Length: 9 Weeks

Method of Evaluation: Instructor’s evaluation of participation and commitment to a particular activity. Students will also assemble a portfolio on the projects which will include daily reflections, as well as a final summary evaluation. Students will engage in a mix of writing, reading, speaking, listening, and creating projects. Completion of 15 hours of out of class volunteer service, which can be done during the summer

Course Description: The Service Learning course is designed for juniors and seniors. Curriculum will center on acknowledging and studying community needs and taking an active role in developing contacts with community organizations, businesses, city government, and citizens. Class time will be devoted to developing service projects, which will not only enhance students’ knowledge of community needs, but will also, allow students to actively participate in community functions.

Project ideas will evolve from a number of different sources: city councils, community organizations, citizens, student brainstorming, successful projects in other schools, and interested faculty members.

Other Projects:

Two reports on volunteer organizations.

Creating well written “thank you” and/or “congratulatory” letters.

Preparing and working at Senior Rock Night and Veterans’ Recognition Day.

Interviewing senior citizens to compile a community history.

POST SECONDARY ENROLLMENT OPTION (P.S.E.O.)

Students in grades eleven and twelve may enroll in courses at eligible postsecondary institutions under the Postsecondary Enrollment Options Act. The district will pay the postsecondary institution for actual costs up to \$250 for each course enrollment approved by the Board if the student passes the course. These costs will not be paid if the student is enrolled full-time in the school district or the postsecondary institution.

The Act provides the following limitations on courses, which are eligible:

- Courses must be offered through an eligible public or private institution
- Comparable courses are not available in the school district
- Courses must be credit-bearing and lead to an educational degree at an eligible postsecondary institution
- Courses must be non-religious or sectarian

Prior to taking a course, students must receive approval from the school by filling out a form provided by the counselor. Credit toward high school graduation may be awarded, as well as institution credit.

Common courses students take are Fundamentals of Oral Communication, Introduction to Sociology, Introduction to Psychology, and Encounters in Humanities.

Kirkwood Career Edge Academy Programs

Career Edge Academies are career-focused, college credit courses available to high school juniors and seniors. The courses focus on academic and technical preparation to provide relevant skills for today’s workforce.

Career Edge Academies:

- Offer work-based learning.
- Are college-level courses.
- Give you advanced placement in related college programs.

Things you must know about an academy prior to registration:

- Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by the high school district. The grade earned in this course will be reflected on the student's official college transcript. Student's not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of their application process to other colleges or universities. www.kirkwood.edu/transcript
- As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a Social Security Number as part of the secure online college application process to create the official student record.
- Students from a variety of high schools enroll in this course, thus following a "shared" academic calendar, rather than that of the individual high school. Please note that the start date of this program follows the Kirkwood academic calendar, and students are expected to be in class on these dates, regardless of their individual high school calendar.

Career Edge Academy Program Opportunities for 2010-2011

Shared programs taught by Kirkwood faculty:

Automotive Collision
Automotive Technology
Business and Finance
Education and Human Services
Health: Dental
Health: EMT-B
Health: Patient Care
Health: Pharmacy Technician
Horticulture
Metal Fabrication
Welding

In-house Academies taught by qualified and trained high school teachers:

Arts and Sciences
Computer Networking
Computer Programming
Culinary
Geospatial
Graphics
Project lead the Way
Software Specialist