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CCHS NON-DISCRIMINATION NOTICES

Carbondale Community High School District 165 does not discriminate on the grounds of race, color, religion, sex, age or disability in admission or access to or treatment or employment in programs or activities. Inquiries should be directed to the Superintendent and designated Coordinator for the Americans With Disabilities Act, Title II and Section 504 (Rehabilitation Act of 1973), Superintendent's Office, 330 South Giant City Road, Carbondale, IL 62902, phone 457-4722. Individuals with disabilities should notify the Superintendent or Principal if they have a disability which will require special assistance or services. This notification should be made as far in advance as possible before a school-sponsored function, program or meeting. CCHS has installed a TDD device to assist hearing impaired applicants and employees. The TDD is located in the Principal's Office. The Phone number is (618) 457-3371. Incoming calls are handled through the CCHS district switchboard. Comments and input from individuals, agencies or organizations with disabilities may be directed to the CCHS Coordinator for the Americans with Disabilities ACT – Superintendent's Office.

CARBONDALE COMMUNITY HIGH SCHOOL
1301 East Walnut Street
CARBONDALE, ILLINOIS 62902
(618) 457-3371

Superintendent	Steve Sabens
Principal	Stephen Murphy
Assistant Principal	Darryl Cox
Assistant Principal	Dan Cross
Assistant Principal	Mandy Mckee
Dean of Students	Daniel Booth

INTRODUCTION

The Course Description Guide provides an overview of the courses offered, as well as, information related to successfully navigating high school and preparing for post-secondary endeavors. Carbondale Community High School offers a comprehensive curriculum designed to serve students' needs. Students are urged to discuss their career plans with parents, counselors, and teachers based on a realistic self-assessment of their interests and academic abilities. Counselors are available to facilitate this process and help plan a four year program of study tailored to meet the individual needs of each student. Students and parents are encouraged to read the Guidance Information and Course Description sections very carefully.

The Course Description Guide is available on the CCHS website: www.cchs165.jacksn.k12.il.us. A paper copy may be obtained from the Guidance Office.

COUNSELING DEPARTMENT

Coordinator of Guidance: Sandra Brown

Counselors:

Sandra Brown	457-3371	Ext. 215
Lori Koester	457-3371	Ext. 216
Brenda Longworth-Keller	457-3371	Ext. 206
Erinn Murphy	457-3371	Ext. 264

Secretary:

Jennifer Gilbert Presley	457-3371	Ext. 226
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Registrar:

Anne Johnson	457-3371	Ext. 227
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GUIDANCE INFORMATION

GRADUATION REQUIREMENTS

CLASSES OF 2010-2011-2012-2013

1. English (3 credits class of 2011- English 1, 2, & 3; 4 credits classes of 2012 and above English 1,2,3,&4)
2. American History (1 credit) - Junior year
3. American Government (1 credit) - Senior year
4. Mathematics (3 credits, including Algebra 1 and Geometry content)
5. Science (2 credits)
6. Consumer Education - (½ credit) - Seniors who carry a full schedule of classes may meet the state requirement by taking an early bird 1/4 credit mini-course in consumer education called Resource Management. Other courses which satisfy the consumer education requirement are as follows: Resource Management, Business and Technology Concepts I, Adult Living , and Interrelated Co-op. A state level Proficiency Test has been developed that, if passed, allows students to waive consumer education. Specific guidelines and test dates are available in the Guidance Office.
7. Oral Communications (½ credit) – class of 2011. The communication course requirement may be met by taking a semester of Speech or Theater. If students take 4 years of English, the oral communications requirement is waived.
8. Health (½ credit, one semester) – Freshman year
9. Physical Education - Students must take physical education every semester; waivers may be applicable. See Physical Education.
10. Music, Art, Foreign Language, Business, Family and Consumer Science, Industrial Technology or Career Education (1 credit required)
11. Nineteen (19) credits are required for graduation, including physical education.
12. Students who score below the 35th percentile in Reading on the *EXPLORE* test in 8th grade are **required** to take a study skills (reading) class at the 9th grade level. Students who score between the 35th and 55th percentile in Reading are **required** to take the Reading Language Acquisition class. A Placement team consisting of representatives from the student’s feeder school and CCHS will determine appropriate placement.
13. Students must take the Prairie State Achievement Exam (PSAE), normally given during their junior year, to be eligible for graduation.

CREDIT POLICY

1. A passing grade in both semesters of a full year course equals one credit; A passing grade in one semester equals ½ credit. See Exceptions in Early Bird Resource Management, Driver Education. These classes earn 1/4 credit.
2. If a student fails one semester of a math class, it is strongly recommended that both semesters be repeated. Math classes are designed to be sequential, and it is necessary to complete both semesters in order to acquire the skills and knowledge necessary to advance to the next math level. See your counselor or math teacher to assist with this determination. Duplicate credit will not be given for a previously passed class.
3. All credits earned in a school approved by an appropriate state agency or accrediting agency will be accepted for transfer. All credits earned in other schools and submitted for transfer shall be subject to administrative review and approval. No college classes will be accepted for high school credit.
4. A student must attend CCHS the last semester prior to graduation from CCHS.
5. A student cannot take more than one “no credit” class per day (i.e. Study hall, Teacher Assistant).
6. No honors credit will be awarded for Independent Study.
7. Honors credit is awarded for all passing grades earned in honors classes to a maximum of eight (sixteen semester-hours) honors credits per student. Students may take additional honors classes but cannot receive honors credit beyond eight credits. If a student is recommended for an honors class, the student may decline the recommendation. There are no honors classes taught at the freshman level and no honors credit is awarded to any student for honors classes taken during the freshman year except as described in #9 below.
8. Only three honors credits are available in mathematics.
9. Freshmen can enroll in, and eventually receive honors credit for course work in honors mathematics. Students who elect this approach are still limited to three mathematics honors credits. The honors credit for mathematics courses taken during the freshman year will be added to a student’s GPA when a student completes the mathematics sequence of classes (AP Honors Calculus). The honors credit earned in prior semesters will be included in a student’s GPA.
10. The freshman and sophomore years of English are specifically designed to build reading and intensive writing skills. The third year of English is American Literature, which includes an emphasis on intensive research writing, a vital building block to the broader range of

writing in the senior year and any college writing ahead. To meet the English graduation requirement, all students must successfully complete English 1, 2, & 3 through the class of 2011 and English 1,2,3,&4 in the class of 2012 and above.

COLLEGE ADMISSIONS REQUIREMENTS

Students are responsible for meeting the entrance requirements of colleges and universities that they wish to attend. The Guidance Department has many resource books, college catalogues, and website addresses, with current information available to parents and students. Since admissions standards vary widely from school to school, it is imperative that students and parents become informed about each school's standards relating to test scores, class rank, grades, and high school course selection when choosing a school. Sometimes different admissions standards exist within one university or college, depending on the curriculum the student wants to study. **Careful planning for college includes early contact with all potential colleges regarding specific admission standards.**

4-YEAR COLLEGE PREPARATION: A college preparation program can be recommended which should satisfy basic admission requirements at most colleges and universities. Below is the required course pattern for admission to most Illinois public universities:

4 credits of English

3 credits of Mathematics (Beginning with Algebra I)*

3 credits of Science

2-3 credits of Social Studies

2 credits of electives (Music, Art, Vocational Education, or Foreign Language)**

- At the University of Illinois, a minimum of 3.5 credits in Mathematics are required in many curriculums.
- At the University of Illinois, **two years of foreign language** are required for admission but **three years of foreign language** will be required to graduate from all programs; This can be satisfied by taking three years of the same language in high school or two years in high school and one semester at the University. An **exception** to this is the College of Liberal Arts and Sciences and Commerce and Business Administration, which will have a **four-year language requirement**. It is highly recommended that students interested in applying to these programs at the University of Illinois complete four years of foreign language in high school.

FAILURE TO MEET ADMISSION REQUIREMENTS: In some cases a student who does not satisfy a college's admissions requirements may be admitted on a provisional basis. This is solely dependent on each college's policy concerning taking additional basic courses.

NCAA ELIGIBILITY REQUIREMENTS FOR ATHLETICS

Students, who plan to participate in athletics at Division I and II institutions, must meet the NCAA requirements, which include, among other requirements, successful completion of **16 core** courses with at least a 2.0 GPA in those courses and a specific ACT score. These requirements change from time to time. Students should register with the NCAA Clearing House their **Junior** year. See your counselor early and often for the current requirements.

COURSE SELECTION PROCEDURE

Each winter, students complete the Forecasting Form, indicating their choice of subjects for the next school year. Some required classes will be pre-determined by a placement team. Electives should be made based on interest, aptitude, and future plans. Classes are scheduled based on students' requests, teacher recommendations and the availability of sections.

SCHEDULE CHANGES

Since considerable time is devoted to the selection of courses offered each year, changes in course requests will not be granted for any of the following reasons: 1) to change teachers; 2) to change lunch or study halls; 3) to be with friends. Occasionally, scheduling problems develop, such as conflicts between classes or actual scheduling errors. These types of schedule changes, being administrative in nature, will be made. **Any first semester schedule changes from the planned course requests must be made in writing before the first day of attendance. To drop or add a class, you must complete and return to the Guidance/Counseling**

Office, a Schedule Change Request form. Second semester changes must be made by the first Friday in December. There will be No Schedule Changes after the semester begins, other than those that are administrative in nature or as requested by a teacher. To withdraw from a semester course after the semester begins, you must complete a class-withdrawal form and get teacher signatures for approval. A WF for the semester will be recorded on the transcript, except in cases of illness, class misplacement, or withdrawal from CCHS.

COUNSELING APPOINTMENTS

Unless it is an emergency, students can make appointments before school, after school or during a student's lunch period. **NO** passes will be given to students who are late to class because they were making a guidance appointment. The Guidance/Counseling Office is open from 8:00 a.m. until 4:00 p.m.

INDEPENDENT STUDY

Independent study courses are available on a departmental basis if a student has completed the highest level of course work in that department. **SENIORS ONLY** are eligible for independent study. Honors credit is not available. All independent study courses must be pre-approved by the cooperating teacher, department chair, guidance director and principal.

TEACHING ASSISTANTSHIP

A teaching assistantship is a non-credit class, for **SENIORS ONLY**, which must be pre-approved by the cooperating teacher, a counselor and an administrator. Teachers are limited to two (2) teaching assistants per semester, unless otherwise approved by the director of guidance and/or the principal.

PROFICIENCY/PLACEMENT CREDIT POLICY

Proficiency exams or projects are not allowed as waivers for courses required for graduation. Some academic departments administer placement exams to appropriately place students according to their level of competency and achievement. If a lower level course is bypassed for a higher level course as a result of placement testing, credit is not granted for the lower level course. The only exception to this is the state sponsored proficiency examination offered in the fall and winter for Consumer Education. A student may attempt the examination once a year, but must not be enrolled in a class that meets the consumer education requirement at the time of the test.

CORRESPONDENCE COURSES

Students interested in correspondence at CCHS must receive prior approval from the building principal. Only correspondence courses accredited by the North Central Association of School and Colleges or other comparable regional accrediting associations will be accepted for credit toward graduation. Registration for a correspondence course will be limited to a senior who has a full schedule and needs one additional course to meet graduation requirements. A student may use a maximum of one correspondence credit toward graduation, and only courses not offered at Rebound can be taken.

CONCURRENT ENROLLMENT IN UNIVERSITY COURSES

Concurrent enrollment in university classes is an acceleration and enrichment experience for academically capable students who have completed their sophomore year. Students must be recommended by their principal or counselor and approved for admission by the SIUC or JALC Director of Admissions. Guidelines for this enrollment are as follows:

1. A student must have an overall "B" average in high school or administrative approval.
2. A student can enroll during the summer or concurrently during the regular academic school year. During the summer, enrollment is limited to eight semester hours. During the regular academic year, a student may register, depending on their schedule, for one or two courses. No student will be released during the day for more than two class periods, however evening classes are not limited.
3. College courses taken during the school day must be from subject areas in which the student has completed all courses offered at CCHS.

4. If taking a class at John A. Logan College, a student must complete a Dual Credit and Dual Enrollment Registration form, take the Asset or ACT test, and request an official transcript be sent to the college admissions office. If classes are taken during the fall and/or spring semesters, tuition will be covered by John A. Logan College through a grant, which provides for these costs for CCHS students. Students must pay fees associated with each class. If taking a class at SIU-C, the student must complete the appropriate forms and have a transcript sent. Students are responsible for their own tuition and fees at SIU-C. All students must provide a copy of their college schedule to the Guidance Office.
5. High School credit will not be awarded for college courses taken while attending CCHS. SIUC and JALC will hold the credits in escrow so that a student can receive the earned college credit upon high school graduation. A college transcript can be requested when applying to other colleges.
6. The grade earned in a college course is not computed in the student's GPA.

DUAL CREDIT

Several courses at CCHS have been articulated for dual credit with John A. Logan. Students will receive both high school and college credits for those classes if they meet the minimum requirements. Except for the Certified Nursing Assistant Class, all other dual credit classes are taught on the CCHS campus. See your counselor or the Vocational Coordinator for further information.

HONORS CLASSES

CCHS offers a variety of classes that may be taken for honors credit. Each department has its own selection process for admitting students into their honors program. Students can take as many honors classes as they qualify for, but will only receive a maximum of eight honors credits (16 semesters) toward their GPA.

GIFTED PROGRAM

Gifted students are classified in one of two categories, students with exceptional intellectual ability and students with talent specific ability. Several of the following criteria are used in the placement of these students in the CCHS gifted program:

1. Scores on the EXPLORE test.
2. Participation in honors and Advanced Placement classes at CCHS.
3. Specific abilities in music, art, theater, etc.

REBOUND

(Concurrent Enrollment to make up Failed Classes)

A failed class that is required for graduation can be made up at Rebound after school, while concurrently attending CCHS, or in the summer, if that class is available at Rebound. If the class has not been made up at Rebound before the semester of the failed course (i.e. spring or fall), the student must repeat the course in the regular schedule. Students can earn no more than two credits at Rebound for failed classes, while concurrently enrolled at CCHS.

SUMMER SCHOOL

The provision of summer school courses is based on student interest, faculty availability and financial considerations. Information regarding summer school offerings is available in the spring. Summer school generally begins during the first week of June. Regular attendance is crucial because each day of summer school is equivalent to almost a week's work during the regular school year.

JOHN GILBERT SUMMER ENRICHMENT PROGRAM

The John Gilbert Summer Enrichment Program is a non-credit summer school opportunity for students to explore interests that otherwise might not be available to them. Enrichment and remedial classes are offered in two and four week blocks. Students register for classes in the spring. See your counselor for more information.

FOUR YEAR
HIGH SCHOOL PLAN

Classes of 2011-2012-2013-2014

FRESHMAN

1. English 1
 2. Health/P.E.
 3. Math _____
 4. Science _____
 5. Elective/SI _____
 6. Elective/SI _____
- Before/After School _____
- Credits _____

SOPHOMORE

1. English 2
 2. P.E./Driver Education
 3. Math _____
 4. Science _____
 5. Elective _____
 6. Elective _____
- Before/After School _____
- Credits _____

JUNIOR

1. English 3
 2. American History
 3. P.E.
 4. Math _____
 5. Elective _____
 6. Elective _____
- Before/After School _____
- Credits _____

SENIOR

1. English 4/Communications * _____
 2. American Government
 3. Consumer Ed./Elective _____
 4. P.E.
 5. Elective _____
 6. Elective _____
- Before/After School _____
- Credits _____

TOTAL CREDITS _____

*English 4 or communications is required for the class 2011; classes of 2012 and above must take English 4.

Refer to *Requirements for Graduation* for additional information regarding credit and course requirements.

COURSE OFFERINGS

ENGLISH

English 1, 2, 3, 4,
Honors English 2, 3, Honors/AP English 4
English 4 - Creative Writing
English 4 - Critical Analysis of Literature, Cinema and Myth
English 4 – Shakespeare
English 4 - Writing on the Job, Technical English
English 4 – Drama in the Modern World

READING

Transitional English (ESL)
Study Skills I, II, III, IV
Reading Language Acquisition

FOREIGN LANGUAGE

French 1,2,3,4 Honors 3, 4, French Culture
German 1,2,3,4 Honors 3, 4, German Culture
Spanish 1,2,3,4 Honors 3, AP Honors 4, Spanish Culture
Chinese ,2,3 Honors 3

MATHEMATICS

Int. Alg/Geom-1
Int. Alg/Geom-2
Int. Alg/Geom-3
Algebra I
Accelerated Algebra I
Geometry
Accelerated Geometry
Algebra II
Essentials for College Algebra
Trigonometry/Analytic Geometry
Introductory Statistics
Contemporary Mathematics
Honors Geometry
Honors Algebra II
Honors Precalculus
Honors/AP Calculus

SOCIAL STUDIES

Social Studies
Current Events
World History
African American History
American History
American Government
Psychology
Contemporary Social Issues
Honors/AP World History
Honors/AP American History
Honors/AP Government
Honors AP European History
Economics

SCIENCE

Physical/Earth Science
Accelerated Biology
Biology 1
Honors Biology 1
Biology 2 – Genetics
Biology 2 – Micro Biology
Honors/AP Biology II
Anatomy/Physiology /Orient to Health Occupations
Conservation Biology
Forensics
Botany/Horticulture
Chemistry I
Honors Chemistry I
Honors/AP Chemistry II
Physics
Honors Physics I
Honors/AP Physics II
Honors/AP Environmental Science
Principles of Technology I, II

FINE ARTS

Band , Honors Band
Jazz Band
Beginning Guitar
Advanced Strings
Marching Guard
Concert Choir & Honors Concert Choir
Chamber Singers & Honors Chamber Singers
Art I-Fundamentals
Art II-Exploration of Media
Art III & IV Concepts
Art Studio & Art Studio-Honors
Ceramics
Theatre
Advanced Theatre
Speech
Advanced Speech

PHYSICAL EDUCATION

Freshman Curriculum
Adventure/Outdoor Education
Lifetime Activities
Strength Training
Team Sports
Applied Personal Fitness

HEALTH & DRIVER EDUCATION

Health
Driver Education

CAREER EDUCATION

BUSINESS

Keyboarding & Formatting
Information Processing
Business & Technology Concepts I, II
Computer Concepts
Web Page & Interactive Media Development I, II
Computer Operations and Programming I, II
Honors Computer Operations and Programming
Accounting I, II
General Marketing/Sports & Entertainment
Business Ownership
Business Internship
Interrelated Coop

COMPUTER NETWORKING

A+ Computer Hardware
A+ Computer Software

FAMILY AND CONSUMER SCIENCE

L.I.F.E. (Learning for Independence & Employment)
Resource Management
Adult Living
Food and Nutrition I, II
Food Service I, II
Clothing & Textiles I, II
Clothing, Fashion and Apparel
Interior Design (Living Environments)
Child Development
Parenting
Child & Day Care Services I, II

INDUSTRIAL TECHNOLOGY

Introduction to Industry
Small Engines/Automotive Maintenance
Principles of Technology I
Principles of Technology II
Mechanical Drafting/CAD I
Architectural Design/CAD II
Honors Drafting/CAD II
3D Animation and Design
Aviation
Intro to Construction
Construction I, II
Electronics I, II
Botany/Horticulture

HEALTH OCCUPATIONS

Anatomy/Physiology /Orient to Health Occ
Health Occupation II, III, IV
Certified Nurse's Assistant (CNA)

PHOTOGRAPHY

Photography
Advanced Photography

COURSE DESCRIPTIONS

(Some courses may not be offered every year for various reasons, see your counselor for details)

ENGLISH

English 1 Grade 9, Required, full year.

English 1 (Level 1 and 2) provides an introduction to basic literary genres (short story, novel, poetry, drama and myths). Specific attention is given to the improvement of reading, thinking, and discussion skills in connection with required reading. In composition, students are introduced to writing as a process. Special attention is given to pre-writing, and post-writing activities. Creative and journal writing are part of the writing requirements. Level 3 is geared toward remediation. The basic concepts of capitalization, punctuation, spelling, grammatical usage and effective expression are enhanced by instruction in the writing process. Improvement of reading skills such as drawing inferences, perceiving details, comprehending word meaning in context, and understanding themes and related ideas is a major goal. Paperback book cost approximately \$10.00.

English 2 Grade 10, Required, full year.

English 2 (Levels 1 and 2) organizes the study of literary forms and techniques by theme. Students write literary analysis, creative pieces, personal essays, position papers, and reviews. Students refine their speaking and listening-skills through oral presentations and collaborative work. In level 3, basic reading and writing skills are stressed. Students are placed at this level based on test scores, IEP and/or teacher recommendation.

English 3 Grade 11, Required, full year.

English 3 (Levels 1 and 2) provides a chronological survey of American literature, which includes study of ethnic literatures and American dialects. Students write for a variety of purposes to a variety of audiences with emphasis on research and other academic writing. Students refine their speaking and listening-skills through oral presentations and collaborative work. In level 3, improvement of language arts and reading competencies are stressed. Students are placed at this level based on test scores, IEP and/or teacher recommendation.

English 4: Major Themes in World Literature Grade 12, Elective, full year.

This course meets the CCHS four-year requirement if taken as part of a one year sequence. The first or second semester may be paired with another semester of English IV to count as a full year of English credit. The first semester is an exploration of the Western literary tradition of Heroes, Villains and Other Archetypes. The second semester delves into the realms of Good and Evil, Love, and Values. Both semesters includes orations, debates, persuasive and expository essays, creative writing, journals, and research projects.

English 4: Creative Writing Grade 12, Elective, one semester.

This course meets CCHS four-year English requirement if paired with another semester of English IV to count as a full year of English credit. It is offered both semesters. Everybody's got a story to tell—and you can tell yours in this class. If you like to write, are fairly fluent, and are willing to “get it written, then get it right” (lots of Rewriting), this is your course. A writing-intensive class—naturally—which focuses on personal narrative, short fiction, and poetry. Guest lectures by professional writers. Extensive reading will provide models for writing and topics for discussion. Reading and writing journals required. All students will submit work for publication and/or contests. Book fee \$10.00

English 4: Critical Analysis of Literature, Cinema and Myth Grade 12, Elective, one semester.

This course meets CCHS four-year English requirement if paired with another semester of English IV to count as a full year of English credit. It is offered both semesters. This course combines reading and writing experiences with an exploration of film through the study of myth. You will learn the terminology of film making for the study of American and international directors, from Clint Eastwood to Wim Wender. Reading will include a variety of fiction and nonfiction, including ideas by Joseph Campbell, Clarissa Pinkola Estes, and others who have studied cultural patterns in folktale and myth. There will be a wide range of writing requirements, including a personal film journal and research paper. Paperback book cost approx. \$10.00

English 4: An Introduction to Shakespeare Grade 12, Elective, one semester.

This course meets the CCHS four-year English requirement if paired with another English IV course. This class takes a genre-based approach to the study of Shakespeare. Students will examine two great tragedies, *Hamlet* and *Macbeth*. There will be a wide range of comedies including *As You Like It*, *The Merchant of Venice*, and *The Tempest*. *Richard II* is a history play studied. (Other plays will be included based on student interest and available time.) The philosophical questions explored relate to issues of identity; some of the identity topics are the conscience of a killer, what it means to be human, and the role of the outsider in society. Student project options include media productions, art mural, music, creative writing, and scene performances. Essay exams and a research essay are also required.

English 4: Writing on the Job, Technical English Grade 12, Elective, one semester.

This course meets CCHS four-year English requirement if paired with another English IV course. It is offered both semesters. This course focuses on the kinds of reading and writing students will need to succeed in the business world and college. Students will work with legal and regulatory documents, learn summary techniques, study advertising and audience analysis, work on graphics and presentation methods, and learn to write the documents typically used in business. Assignments will include simulations and writing presented in the context of job activities with an emphasis on collaborative work. Paperback book cost approximately \$10.00.

English 4: Drama in the Modern World Grade 12, Elective, one semester.

This course meets the CCHS four-year requirement if paired with another English IV course. It is offered one semester only. This course provides students with reading and writing experiences in preparation for college work. Since Ibsen's *A Doll's House*, artists have used the theatre both to reflect and challenge assumptions about society, the nature of reality and of right and wrong, and the meaning of life. As the world changes and becomes more uncertain, theatre pushes for new ways of expressing new ideas. Students will learn about these new styles and new ideas by studying literature, philosophy and history from the advent of Realism on the stage through to the absurd dramas of the 1950s. Plays and some film versions of the plays, as well as work by philosophers and critics, will serve as the basis for an examination of the modern world. Students will write plays of their own, analytical essays, criticisms, evaluative essays, and research essays.

Honors English 2; Honors English 3; Honors AP English 4 Elective, full year. (A student may elect to take the AP exam.)

Students in the 9th, 10th, and 11th grade English classes who have shown specific academic aptitude and creativity are recommended for Honors class for the following year. Teachers make their recommendations on the basis of intellectual ability and achievement; a checklist which includes aptitude and skill in oral and written communication, ability to work with abstract concepts, ability to work independently, ability to think logically and critically, and motivation, among other items, is also employed. The department's teacher recommendation committee reviews student folders, which contain samples of writing, exams and other relevant material and makes final recommendations.

READING

Reading/Language Acquisition Grades 9 (Required) 10-12, Elective, full year or semester

This class is designed for those students who are reading below grade level (excluding students with an IEP). Students will be tested to determine area(s) of delayed reading skills. An individual student prescription for reading improvement will be followed throughout the semester. Student's placement in this course is based on reading test scores on the EXPLORE and the PLAN tests and/or teacher recommendations. Students who score between the 36th and the 65th percentile in reading may be eligible. Eighth grade students who score between the 36th and the 55th percentile on the EXPLORE are required to take this class. The reading developmental process utilizes individual and small-group instruction. The improvement of reading skills, content area reading for information and the appreciation of reading are emphasized. Skill development may include vocabulary, comprehension, structural analysis, fluency, testing strategies and study techniques. The class will also offer support for core area academics.

Study Skills I Grade 9, Required, full year.

This class is required on the freshman level for those students who are reading below grade level (excluding students with an IEP). Students will be tested to determine area(s) of delayed reading skills. An individual student prescription for reading improvement will be followed throughout the semester. Student's placement in Study Skills is based on reading test scores and/or teacher recommendations. Eighth graders who score at or below the 35th percentile in reading on the *Explore test* are required to take a full year of Study Skills.

Study Skills II Grades 10, Required or Elective, full year.

This class is required for those students (excluding students w/IEP) who are recommended for English 2, level 3 and/or score at or below the 35th percentile on the 9th grade *Explore Reading Test*. Study Skills II is also recommended for sophomores who score between the 36th and 55th percentiles and whose delayed reading skills are preventing positive academic results. Students will be tested for specific areas of delayed reading skills. Individual student prescriptions for reading and academic improvement will be followed throughout the year.

Study Skills III & IV Grades 11 and 12, Elective, full year or semester.

This Study Skills class is designed for "at-risk" juniors and seniors (excluding students w/IEP) who need supplementary instruction in social studies and other academic areas, which will help the student succeed and to prepare for the PSAT. Additionally, each student's academic progress is monitored in all classes needed for graduation.

Transitional English (ESL Level 1 and 2) Grades 9-12, Elective, full year.

These courses are offered only to foreign students who are unprepared to cope adequately with classroom English. An integrated language arts approach is employed to teach English grammar, reading, and composition. Oral fluency is encouraged with classroom discussions

and presentations, while pronunciation and accuracy are practiced with minimal pair, intonation, and pattern drills. Supplementary audio-visual materials such as audio-tapes, films, self-directed computer instructions, newspapers, and magazines are used. Students who are scheduled into this class will not ordinarily take the regular English class. Transitional English meets graduation requirements.

FOREIGN LANGUAGE

French 1 Grades 9-12, Elective, full year.

French 1 provides a "balanced-skills" approach to French learning; there is an "audio-lingual" approach in that listening and speaking skills are stressed. Students develop oral skills through exercises in pronunciation, listening comprehension and dictation. Reading and writing skills are also developed so that the student acquires a balance of skills simultaneously. Textbooks are accompanied by workbooks, which reinforce the learning. The audio and video components of the program feature native French speakers and are used to reinforce communication. French culture is taught as an integral part of each lesson. Book fee \$17.

French 2 Grades 10-12, Elective, full year.

Prerequisite: A "C" or better in French 1 or proficiency

French 2 continues the "balanced-skills" approach of French 1. While stressing the oral skills, French 2 provides abundant opportunity to develop further the skills of reading and writing so that the four skills of communication are intermingled. Students increase their vocabulary in as real a context as possible and are exposed to more advanced grammatical structures. The "French 2" textbook is accompanied by workbooks, audio and video tapes. Culture pervades all components of each lesson: dialogues, readings and exercises in grammar. Book fee \$17.00.

French 3 Grades 10-12, Elective, full year.

Prerequisite: A "B" or better in French 2 or proficiency

French 3 continues to develop the communicative abilities of the student by reinforcing the skills acquired in the first two years. There is a continued emphasis on oral communication, vocabulary and grammar acquisition, and cultural understanding. When French 3 and 4 are combined, the French 3 curriculum is alternated each year with the French 4 curriculum. Book fee \$17.00.

French 4 Grades 11-12, Elective, full year.

Prerequisite: A "B" or better in French 3 or proficiency

Students completing this course with a "B" or better will receive 4 credit hours from John A. Logan College.

French 4 continues the process of acquiring the skills of communication. Reading centers on the history and culture of France, including extracts of works by great French authors. To facilitate reading, relevant vocabulary is presented and previously learned grammatical structures are reviewed while more advanced concepts are added. When French 3 and French 4 are combined, their curricula are alternated. Book fee \$17.

Honors French 3, Honors French 4 Grades 10-12, Elective, full year.

Prerequisite: A "B" or better in French 2, French 3 or proficiency

See French 3 and French 4 description above. For honors credit, extra work will be required in the form of a project to be presented to the class at the end of each semester. The projects focus on aspects of French culture chosen by the student and approved by the teacher.

French Culture Grades 10-12, Elective, semester. (Individually arranged).

One-half credit may be granted for structured work done in the French language in a camp or travel plus school experience in a French-speaking environment. The student must supply documentation for evaluation. Credit subject to teacher discretion.

German 1 Grades 9-12, Elective, full year.

German 1 provides a sound basis for learning the German language as it is spoken and written today. Our EMC textbook series, entitled *Deutsch Aktuell*, presents a modern approach to gaining communicative mastery by focusing on topics of particular interest of today's adolescents. The program series makes ample use of audio tapes, video tapes, and a variety of additional ancillary materials to enhance the presentations. The series provides a well-balanced treatment of the similarities and differences of the Germanic cultures of the reunited Germany, Austria and Switzerland. Book fee \$17.00.

German 2 Grades 10-12, Elective, full year.

Prerequisite: A "C" or better in German 1 or proficiency.

German 2 continues building upon the fundamentals introduced in the German 1 program. The EMC textbook, *Deutsch Aktuell 2*, presents a smooth transition toward more sophisticated linguistic constructions while providing constant recursion to past materials. The students

enjoy their acquisition of more advanced communicative skills by being immersed in a multitude of varied proficiency-based activities. The text, audio and video-tapes and the many ancillaries provide reinforcement and make the whole program enjoyable for the learner. Book fee \$17.00.

German 3 Grades 10-12, Elective, full year.

Prerequisite: A “B” or better in German 2 or proficiency

This course continues building upon language acquisition by alternating instruction between grammar and literature. More sophisticated aspects of the language are stressed. The EMC textbook *Deutsch Aktuell 3* is used. Students are also introduced to selections of formal German literature, which includes radio plays, drama and short stories by well-known writers. Book and workbook fees \$30.00 (covers cost of German 3 and 4).

German 4 Grades 10-12, Elective, full year.

Prerequisite: German 3

This class is a continuation of the mastery of the German Language. Alternative materials will be used in the curriculum. Book and workbook fee \$30.00 (paid in German 3).

Honors German 3, Honors German 4 Grades 10-12, Elective, full year.

Prerequisite: A “B” or better in German 2, German 3 or proficiency

Students completing German 4 with a “B” or better will receive 4 credit hours from John A. Logan College.

See German 3 and German 4 description above. For honors credit, extra work will be required.

Honors German 4 Grade 11-12, Elective, full year.

Prerequisite: A “B” or better in German 3 or proficiency

This course is designed to prepare students for the German AP exam on a high and challenging level. The course objective is to perfect the four skills of language learning: listening, speaking, reading, and writing. **Listening:** Students will view or listen to German television, radio, video, and “Horbucher” (audio versions of texts). **Speaking:** The class will be conducted almost exclusively in German. In addition to daily class discussions, students will give oral presentations and speeches. **Reading:** Students read and respond to a variety of genres, including short stories, poetry, plays, novels, and current articles from German magazines and newspapers. **Writing:** Special emphasis will be placed on the development and refinement of students’ essay writing skills. Students will also write journal entries, poetry, and prepare reports using Power Point or other media, and have the opportunity to do creative writing of their choice, such as play writing.

German Culture Grades 10-12, Elective, semester. (Individually arranged).

One-half credit may be granted for structured work done in the German language in a camp or travel plus school experience in a German-speaking environment. The student must supply documentation for evaluation. Credit subject to teacher discretion.

Spanish 1 Grades 9-12, Elective, full year.

Spanish 1 is a proficiency-oriented approach to communicating in Spanish. Emphasis will be on vocabulary building, listening and speaking activities, reading and writing activities and cultural understanding. Students will be provided opportunities to practice using Spanish in a range of contexts, to express themselves in Spanish, and to interact with other students in Spanish. Students will be exposed to a variety of materials to aid them in their beginning acquisition of the language including textbooks, workbooks, readers, audio tapes, videotapes, games, etc. Book fee \$17.00.

Spanish 2 Grades 9-12, Elective, full year.

Prerequisite: A “C” or better in Spanish 1 or Proficiency

Spanish 2 reviews and expands the communication proficiency approach begun in Spanish 1. The emphasis continues to be on listening, speaking, reading, writing, and culture. Audio and Video tapes of native speakers will be used in the language lab to build language skills. More advanced grammatical concepts are presented and vocabulary building continues. Students will read and listen to edited short stories and poems, participate in skits, and give oral presentations. Book fee \$17.00.

Spanish 3 Grades 10-12, Elective, full year.

Prerequisite: A grade of “B” or better in Spanish 2 or Proficiency

Spanish 3 continues to build the communicative abilities of the student by reinforcing the skills acquired in the first two years. The study of grammar continues and is incorporated into the listening, speaking, reading and writing components of the course. Emphasis is on the culture and history of Spain and Spanish America with students reading short stories. When Spanish 3 and 4 are combined, the Spanish 3 curriculum is alternated each year with the Spanish 4 curriculum. Book fee: approximately \$17.00.

Spanish 4 Grades 11-12, Elective, full year.

Prerequisite: A grade of “C” or better in Spanish 3 or Proficiency

Students completing this course with a “B” or better will receive 3 credit hours from John A. Logan College.

Spanish 4 continues to expand on the speaking, listening, reading and writing skills the student has acquired. There is a continued emphasis on oral communication, vocabulary and grammar acquisition, and cultural understanding. Students will read and listen to a more varied selection of literature and will improve their speaking and writing skills through oral presentations and short compositions. Audio tapes, as well as, video will continue to be used to reinforce listening skills. When Spanish 3 and 4 are combined, the Spanish 3 curriculum is alternated each year with the Spanish 4 curriculum. Book fee: approximately \$17.00.

Honors Spanish 3, Honors Spanish 4 Grades 10-12, Elective, full year.

Prerequisite: A grade of “B” or better in Spanish 2 or Spanish 3 or Proficiency. An approved application is also required.

See Spanish 3 and 4 above. For honors credit, extra work will be required and students must maintain a “B” average in the class.

Honors AP Spanish 4 Grades 11-12, Elective, full year

Prerequisite: Grade of “B” or higher in Honors Spanish 3 or Proficiency – An approved application is also required.

This class further develops students’ communication skills in Spanish, including listening, speaking, reading and writing. In addition to comprehending and producing language on a variety of topics, students will be able to analyze written articles and literature and produce written compositions. Students’ transcripts will reflect their participation in an AP level course, and they will have the opportunity to take the Spanish Language AP exam in the spring. Students will earn college credit for AP Spanish, contingent upon scoring a 3 or higher on the exam. Also, 4 hours of dual credit will be issued from John A. Logan College for students to transfer to the University of their choice. Enrollees must have a high level of motivation and interest, as well as sufficient time for class preparation.

Spanish Culture Elective, semester. (Individually arranged).

One-half credit may be granted for structured work done in the Spanish language in a camp or travel plus school experience in a Spanish-speaking environment. The student must supply documentation for evaluation. Credit subject to teacher discretion.

Latin 1 Grades 9-12, Elective, full year.

In the introductory course, the students study the Latin language with emphasis on grammar, translation, vocabulary and English word derivation. Roman heritage and Roman life are also studied. Book fee \$17.00.

Latin 2 Grades 10-12, Elective, full year.

Prerequisites: A “C” or better in Latin 1 or Proficiency.

The second year of Latin is a continuation of Latin 1. In this course the student is introduced to increasingly more complex grammatical constructions leading toward proficiency necessary to the comprehension of the works of classical authors. Book fee \$17.00.

Latin 3 Grades 11-12, Elective, full year.

Prerequisites: A “C” or better in Latin 2

In this class the students delve deep into the classical Latin grammar and culture. The students will be expected to translate passages from primary texts and explain their understanding of why the passages are historically important. In addition to translating from Latin to English, the students will also be expected to compose their own Latin sentences utilizing their knowledge of proper grammar and syntax.

Honors Latin 3 – Grades 11-12

Prerequisites: A “B” or better in Latin 2 – application required

See Latin 3 description above. For honors credit, extra work will be required.

Chinese 1 Grades 9-12, Elective, full year

Students will learn introductory basic principles of Mandarin Chinese focusing on the basic skills of listening, speaking, and reading. Selected topics of Chinese culture such as art, cuisine and music will be included. Book fee \$17.

Chinese 2 Grades 10-12, Elective, full year

Prerequisite: A “C” or better in Chinese 1 or proficiency

Students taking this class will be required to have a basic understanding of mandarin Chinese (pinyin) as this class will continue to build on the language and vocabulary skills learned in Chinese 1. Students should be able to master new materials and conduct conversations in Mandarin. Some work will be required outside of class. Selected topics in Chinese culture and customs will be

discussed. Book fee \$17.

Chinese 3 Grades 11-12, Elective, full year

Prerequisite: A “C” or better in Chinese 2 or proficiency

The third year Chinese class will spend more time reading and writing in depth with Chinese characters. Students will work on listening skills and conversation. Culture and culinary experiences are also included. Book fee \$17.

MATHEMATICS
COURSE SEQUENCE

Freshman

Integrated Alg/Geom 1
Algebra I
Accel. Alg. I
Accel. Geometry

Sophomore

Integrated Alg/Geom 2
Geometry
Hon Geometry
Hon Algebra II

Junior

Integrated Alg/Geom 3
Algebra II
Hon Algebra II
Hon Precalculus

Senior

Algebra II
Trig/Anal Geometry
Hon Precalculus
Hon AP Calculus
Contemporary Math
Ess for College Algebra

The sequences, shown above are most commonly followed by students. Alternative sequences are possible, if prerequisites listed below are met.

Integrated Algebra/Geometry 1 Grade 9, full year

Prerequisite: EXPLORE placement scores, teacher recommendation

This integrated course of algebra and geometry will incorporate calculator work, computer work and activities to help students better understand algebraic and basic geometry concepts. Students recommended for this course should have an understanding of the basic math skills. However, additional review of prerequisite skills will be provided. Calculator usage will be allowed at all times. Students who have weak study skills or who need additional individualized instruction will benefit from this class. Daily work is emphasized with most work done in the classroom. Students will take Int. Alg/Geom 2 the following year. The course counts for one high school credit. Topics covered in Int. Alg/Geom 1 include data collection, algebraic expressions, equations and inequalities, graphing, polynomials, measurement, and the Pythagorean Theorem.

Integrated Algebra/Geometry 2 Grade 10, full year.

Prerequisite: Integrated Alg/Geom 1

The prerequisite for this course is Int. Alg/Geom 1. Calculator usage will be allowed at all times. Students who have weak study skills or who need individualized instruction will benefit from this class. Daily work is emphasized with most work being done in the classroom. Completion of assignments begun in class will constitute the majority of homework. The course counts for one high school credit. Topics covered in Int. Alg/Geom 2 include exponents, solving equations and inequalities, coordinate geometry, polynomials, systems of equations and right triangle trigonometry.

Integrated Algebra/Geometry 3 Grade 11, full year.

Prerequisite: Integrated Alg/Geom 2

The prerequisite for this course is Int. Alg/Geom 2. Calculator usage will be allowed at all times. Students who have weak study skills or who need individualized instruction will benefit from this class. Daily work is emphasized with most work being done in the classroom. Completion of assignments begun in class will constitute the majority of homework. The course counts for one high school credit. Topics covered in Int. Alg/Geom 3 include solving linear equations, systems of equations and inequalities, equations of lines, factoring, quadratic equations, congruent triangle relationships, similar figures, properties of parallelograms, perimeter, area of two and three dimensional figures and volume.

Algebra I Grade 9-11, full year.

Prerequisite: EXPLORE placement scores and teacher recommendation.

Algebra I is a traditional algebra course. Students recommended for this class may require a minimal amount of review over prerequisite algebra skills. Students should be able to master new material at a steady pace. Homework time will be available in class, however students will be expected to complete some work outside of the classroom. Topics covered in Algebra I include operations with real numbers, simplifying algebraic expressions, solving and graphing linear equations and inequalities, operations with polynomials, operations with rational expressions, solving systems of linear equations, and simplifying radicals.

Accelerated Algebra I Grade 9, full year.

Prerequisite: EXPLORE placement scores and teacher recommendation.

Accelerated Algebra I is an accelerated in-depth course which is designed to challenge the students. The course is designed for those students who have demonstrated exceptional mathematical ability. Students in this class must demonstrate initiative in studying and completing assignments outside of class. Topics covered in Accelerated Algebra include solving equations, inequalities, and systems, solving word problems algebraically, graphing on the coordinate system, simplifying expressions, factoring polynomials, rationalizing expressions, using functions and relations, and the quadratic formula.

Geometry Grades 10-12, full year.

Prerequisite: Algebra I

Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. Upon completion of geometry, students should have an understanding of proofs based on deductive reasoning, knowledge of geometric terms and concepts, and should be able to use their algebraic skills to solve problems in geometry.

Accelerated Geometry Grade 9, full year.

Prerequisite: EXPLORE placement scores, math placement test, and teacher recommendation.

Accelerated Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. This course presents a more in-depth coverage of the topics of geometry and offers some additional enrichment topics not covered in the regular geometry course. Students in this class should have successfully completed Algebra I and should have better than average mathematical aptitude. These students should have a high degree of self-motivation, good study habits, and the ability to work independently.

Algebra II Grades 10-12, full year.

Prerequisite: Geometry or Integrated Algebra/Geometry 3

This course provides the tools to expand and build on the fundamental skills learned in first-year algebra. The real number system is studied in great detail. Algebra and coordinate geometry are used to study functions and relations. Problem solving strategies are introduced to solve real world situations. Students completing this class should be able to identify, analyze, and solve problems using algebraic equations, inequalities, functions, and their graphs. Additional topics covered include methods of data collection and analysis and the study of probability.

Essentials for College Algebra Grade 12, full year.

Prerequisite: Integrated Algebra/Geometry 3 and teacher recommendation.

This class is designed for seniors who are serious about reinforcing their basic math skills in preparation for college. Emphasis will be placed on note taking, completing homework, and other skills that will help students succeed in a college environment. The curriculum will contain major algebra topics taught in remedial courses these students would likely be required to take at a junior college or university. This course will include, but not be limited to the following topics: solving equations and inequalities with applications, linear equations and the coordinate plane, systems of linear equations, polynomials and their operations, and rational expressions.

Trigonometry/Analytic Geometry Grades 11-12, full year.

Prerequisite: Algebra II. Students with less than a C average in previous math courses may lack some of the prerequisite skills needed for this class.

Trigonometry/Analytic Geometry presents a complete course in pre-calculus. It is designed for average and above average students who would like to prepare for college or simply to study more mathematics. Students completing this course should be well prepared for beginning a successful college mathematics curriculum. Many of these students will competently enter a calculus program during their first year of college.

Introductory Statistics Grades 11-12, Elective, one semester.

Prerequisite: Algebra II

This course covers the basic concepts of statistics and probability with the emphasis on computer usage and applications. This is a one-semester course. Students completing this course will have experience with probability and statistics on both a theoretical and practical level. The mathematical concepts will be discussed and utilized, while the applications and projects will provide concrete examples of their use. There will be extensive use of the computer and graphing calculator.

Contemporary Mathematics Grades 11-12, Elective, one semester.

Prerequisite: Algebra II

This one semester course focuses on mathematical reasoning and the solving of real-life problems, rather than routine skills. Topics such as logic, number theory, bases, networks, taxi cab geometry, and will be studied. These topics are encountered in many college level contemporary math courses. Critical thinking, problem solving strategies and the use of appropriate technology will be included throughout the course.

HONORS COURSES IN MATHEMATICS

These courses are designed for students who have demonstrated exceptional mathematics abilities and are highly motivated and highly verbal. Admission to honors classes will be through application and department approval. Any student earning a semester grade below a "C" may not be eligible to continue in the honors math program. Honors math students will be encouraged to participate in academic contests. Refer to Page 2, #'s 7,8,9 for Honors Credit policy concerning 9th graders.

Honors Geometry Grade 10, full year.

Prerequisite: Algebra I or Accelerated Algebra I, application & teacher recommendation.

Honors Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. This course presents a more in-depth coverage of the topics of geometry and offers some additional enrichment topics not covered in the regular geometry course. Students in this class should have successfully completed Algebra I and should have better than average mathematical aptitude. These students should have a high degree of self-motivation, good study habits, and the ability to work independently.

Honors Algebra II Grades 10-11, full year.

Prerequisite: Geometry or Honors Geometry, application & teacher recommendation.

Honors Algebra II is designed as a course that ranges from intermediate algebra through trigonometry. The topics covered in this class consist of all topics covered in Algebra II but in greater depth and breadth. In addition, a three-unit course in trigonometry is taught during the 2nd semester. A pre-requisite is Honors Geometry or recommendation from the student's Geometry teacher with departmental approval. Students in this class must have successfully completed Geometry and should have better than average mathematical aptitude. These students should have an ability to work independently.

Honors Precalculus Grades 11-12, full year.

Prerequisite: Honors Algebra II or Trig/Analytic Geometry, application & teacher recommendation.

This course provides topics for a full-year course in elementary analysis. Careful mathematical development with emphasis on theory, method, and application gives students excellent preparation for future courses in calculus and linear algebra. A pre-requisite is Honors Algebra II or recommendation from the student's Trig/Analytic Geometry teacher with departmental approval. Students in this class should have a high degree of self motivation, good study habits, and the ability to work independently as well as in group situations.

Honors AP Calculus Grade 12, full year.

Prerequisite: Honors Precalculus, application & teacher recommendation.

Honors AP Calculus is a college level calculus course. The selection of topics meets the requirements of the syllabus of the College Entrance Examination Board for the AB and BC examination. Students in this class must have satisfactorily completed Honors Precalculus. Since this is a time demanding course, the student must be able to attend class regularly and be willing to work regularly and independently outside of class. Graphing calculators will be used extensively. Students may take the AP test given in May of each year.

SOCIAL STUDIES

Social Studies Grade 9, Elective, full year or semester.

This course is designed to provide students with an overview of a variety of social science disciplines. Units typically covered include History, Political Science, Economics and Advertising, World Geography, World Religions, Anthropology, Sociology, Psychology, International Relations focusing on the role of the United Nations, and Criminal Justice. Knowledge of current events and issues is also integral to this course.

Current Events Grades 9-12, Elective, full year or semester

This course is designed to help build reading comprehension, writing skills, and oral expression. The class would promote becoming informed citizens and readers of the news. The main source of information for the class would be a variety of newspapers, accessed either through NIE or online. The students would learn to be news gatherers as well as interpreters of the news.

World History Grades 10-12, Elective, full year or semester.

The course will emphasize the contributions of past societies and cultures on our present life. First semester will include a study of early-cultures throughout the world to show their contribution to our heritage and the interdependence of modern nations and cultures. The Second semester will include material on present day cultures and civilizations. Films, speakers, tapes and recordings will be utilized to supplement regular classroom assignments.

Honors AP World History Grade 10, Elective, full year.

Admission to Honors/AP World History is based on GPA, recommendations, and student commitment to developing the skills necessary for historical research. The course will provide an overview of global patterns from early man to the present. A thematic approach will be used, to provide students a way to make comparisons of societies over time. Rather than examining the minutiae of numerous national histories, the course will emphasize cross-cultural interactions and the diffusion of ideas to reveal global processes in world history. Students must be willing to read extensively beyond text assignments. Class size will not exceed sixteen students. Students will be using Advanced Placement materials and may elect to take an Advanced Placement Test in May.

African American History Grades 10-12, Elective, full year or semester.

African American History is designed to give students the opportunity to explore topics only briefly touched on in American History. The first semester will include African American History from the 15th century to 1865. It deals with West African Kingdoms, the Atlantic slave trade, and the institution of slavery in Africa and the Americas. The themes of struggle, resistance, and survival will be studied through culture, art, music, and literature. The second semester will include African American History from 1865 to the present. It begins with the post-Civil War Reconstruction period and the rise of African American political power. African American business success following Reconstruction will be evaluated, with emphasis on the philosophies of Booker T. Washington and W.E.B. Dubois. The course will also address African American military service from the 19th century to the present. The second semester will continue the study of cultural developments in art, music, and literature.

American History Grade 11, Required, full year.

The course is a chronological coverage of American History. First semester covers discovery of the New World up to the Industrial Age. Second semester emphasis is on comprehensive coverage of the twentieth century. With regards to state mandates the classes will include coverage of women, minorities, unions, and Illinois History.

Honors AP American History Grade 11, Optional, full year.

Prerequisites: Admission based on GPA, recommendations, student interest and interviews.

Honors/AP American History is offered to selected juniors as an alternative to American History. The course fulfills graduation requirements. It is expected that students in Honors American History will: 1) study philosophies of history and analyze the influence of these philosophies on the interpretations of American History; 2) conduct independent research to a greater degree than that required for regular history courses; 3) research and write on state and local history with the intent of publication in state wide journals; 4) be willing to read extensively beyond text assignments for added depth. Class size will not exceed 16 students. Students will be using advanced placement materials and may elect to take the AP test in May.

American Government Grade 12, Required, full year.

This course examines the organization of our national and state governments. The first semester Constitutional history, political beliefs, and contributions of past and present political leaders will be presented. The second semester concentrates on civil liberties, State and local government, foreign policy, and a study of comparative governments. Each semester students will attend at least one public meeting.

The course employs numerous supplementary materials. Current events are included within appropriate units. The course requires considerable in class note taking in addition to the required textbook assignments. The state requirements of the study and successful completion of the United States Constitution, Illinois Constitution, and the display of the flag are met by this course.

Honors AP Government Grade 12, optional, full year.

Prerequisites: Admission based on GPA, recommendations, student interest, involvement in the social studies, and personal interviews.

This course is designed to provide students with a thorough understanding of the foundations of the United States government, its institutions, the political processes, and how policy decisions are reached. In addition to normal course work, students are expected to complete an internship in Washington D.C. and participate in several long term projects and activities. Students may elect to take the Advanced Placement exam in May.

Psychology Grades 11-12, Elective, semester.

Psychology is a survey course for juniors and seniors, which includes the study of biological, social and cognitive causes for behavior. Although the material may vary from year to year, the course emphasizes the role of the brain in cognitive functioning, memory, developmental psychology, personality theory and mental illness. Students are strongly encouraged to participate in discussion.

Contemporary Social Issues Grades 11-12, Elective, semester class.

Sociology is a course designed to address current social issues and/or social problems in today's society. While topics may change from year to year, the course emphasizes poverty, homelessness, environmental problems, crime and the aging. Students are strongly encouraged to engage in classroom discussions and debates. Students are also required to complete projects outside of the classroom such as volunteering or research projects. The course will use films, guest speakers and outside reading materials whenever possible.

Honors AP European History Grades 11-12, Elective, full year.

Prerequisites: One year of world history with a "B" average and permission of the instructor.

Honors AP European History is offered to students interested in an exploration of European history from the development of nation states to modern Europe. The course will evaluate European political, social, and economic institutions, as well as cultural and intellectual advances. The course is designed to prepare students for the AP European History Exam. Students must read well enough to use a college level textbook and supplemental readings. The first semester will cover the time period from the early middle ages to the French revolution. The second semester will proceed from the 1800s to modern Europe. Students who plan to take this course need to be independent and self-motivated workers. It is helpful to have a computer at home, but there will be access to computers at school.

Economics Grades 10-12, Elective, semester

This course is designed for students who have an interest in studying business related topics. Students should currently have a 2.5 GPA or above. The class will focus on macro and microeconomic concepts such as scarcity, choices, supply and demand. Students will also be exposed to different world economic systems such as capitalism and socialism. In addition, students will learn how market forces determine the price of goods and services in our society as well as how the stock market works.

SCIENCE ***COURSE OFFERINGS***

Freshman

Physical/Earth Science

Sophomore

Biology I
Chemistry I
Principles of Tech I

Junior

Biology I
Chemistry I
Anat/Phys /Health Occ
Physics
Principles of Tech I, II
Botany/Horticulture
Conservation Biology
Forensics
Biology II/Genetics
Biology II/Microbiology

Senior

Biology I, II
Chemistry I
Anat/Phys/Health Occ
Physics
Principles of Tech I, II
Botany/Horticulture
Conservation Biology
Forensics
Biology II/Genetics
Biology II/Microbiology

Honors Courses

Accel. Biology
Hon Chemistry I

Honors Biology I
Hon Chemistry I
Hon/AP Biology II
Hon Physics I

Hon/AP Biology II
Hon Chemistry I
Hon/AP Chemistry II
Hon Physics I
Hon/AP Env. Sci

Hon/AP Biology II (EB)
Hon Chemistry I
Hon/AP Chemistry II
Hon Physics I
Hon/AP Physics II
Hon/AP Env Sci

Physical/Earth Science Grade 9, Elective, full year.

This course provides an introduction to the major branches of physical science: chemistry, earth science and physics. Major concepts and relationships will be explored by developing critical thinking skills through numerous laboratory activities, lecture, class discussions, and assignments/projects. Lab fee: \$10.00

Accelerated Biology Grade 9, Elective, full year.

Prerequisites: Explore test scores and teacher recommendation. A student in this class should have a science aptitude, the ability to work independently, think logically and critically, and be highly motivated.

This course offers an introductory understanding of biological concepts concerning the exploration of life forms related to everyday life utilizing the inquiry method of learning and many laboratory activities. Students are expected to perform independent projects at home and work cooperatively in class to complete projects. Lab fee \$10.00

Biology I Grades 10-12, Elective, full year.

Biology I is designed to convey an understanding of biological concepts involving the human body, similarities and diversities of living organisms in general, their relation to the environment, the use of scientific inquiry in the study of and comprehension of life and approaches to solving problems of a biological and ecological nature. Emphasis is placed on lecture, discussion, demonstration, use of textbooks, homework and laboratory experiences. Topics covered include: diversity of living things, evolution, chemical background for biology students, the cell, reproduction and development, genetic continuity, systems of energy utilization in plants and animals, relationships of living things with their environment, conservation, the scientific method of study, lab technique and safety in the lab, the use of reference sources and current issues related to biology. Lab fee: \$10.00

Biology II/Genetics (Honors Genetics) Grades 11-12, Elective, semester

Prerequisite: Biology I with a "C" or better.

This class explores the large, continually developing field of heredity. Students will engage in an in depth study of how traits are inherited in plants, animals and humans. This class will focus on a variety of genetics topics, including cell division, human inheritance and genetic disorders, karyotypes and pedigree analysis, DNA analysis and gel electrophoresis, biotechnology and genetic engineering. Critical thinking and problem solving skills will be developed and enhanced through a variety of hands-on activities and laboratory exercises.

Honors credit requires extra work. Lab fee \$5.00

Biology II/Microbiology (Honors Microbiology) Grades 11-12, Elective, semester

Prerequisite: Completion of Biology and Chemistry with a grade of "B" or better

Microbiology explores the world of tiny organism and viruses. Students will spend the semester engaged in a variety of laboratories and hands-on activities that will help prepare them for any health occupation or liked science career. Students will learn a variety of concepts, including classification of microbes (bacteria, viruses, protozoa, helminthes, and fungi, microbial metabolism, disease causing pathogens, human diseases, and microbes in the environment. *Honors credit requires extra coursework.* Lab fee \$10.00.

Anatomy & Physiology Grades 11-12, Elective, full year.

Prerequisites: Biology I with a "B" or better, Chemistry is strongly recommended.

This course covers many biological concepts with reference to the human organism. This course is intended for all students interested in further study in biology and/or medical fields such as nursing, surgery, lab research, medicine, physiotherapy, etc. The course emphasis is on physiology and anatomy of the human body. Laboratory investigations include both microscopic examinations of human tissue and gross anatomy dissection. Students will also study universal precautions, medical terminology and health care systems. In addition, students will spend 20 hours per semester observing various health care professionals, as they put theory into practice. Students must maintain a "C" average in class academic work in order to job shadow. This class qualifies as a lab science credit. Lab fee: \$10.00

Chemistry I Grades 10-12, Elective, full year

Prerequisite: Completion of Algebra I with a "C" or better. Concurrent enrollment in Algebra II recommended

Chemistry is the study of matter, its composition and structure, its physical and chemical properties, the changes it can undergo, and its interactions with energy. Activities include: class discussion, demonstrations, labs and projects. Concepts are stressed as well as problem solving and critical thinking. Whenever possible concepts are related to real world phenomena. The course is designed to provide a solid foundation in chemistry. Lab fee: \$10.00

Physics Grades 11-12, Elective, full year.

Prerequisites: Algebra I and Geometry or concurrent enrollment in Geometry.

Physics is the study of the nature of matter and energy and how they are related.. The course consists of an organized sequence of units, including: motion, forces, machines, sound, light, thermal energy, magnetism, electricity, astronomy, and atomic theory. Concepts are stressed using mathematics as the language of physics. Students take notes, work problems, and participate in demonstrations, labs and small group activities. Physics is highly recommended for any student who plans to pursue higher education, post secondary training in any science related area of study, or who wants to be able to make informed decisions in an increasingly technological world. Lab fee \$10.00

Principles of Technology I Grades 10-12, Elective, full year.

This course is an applied physics course based on the application of principles in mechanical, fluid, electrical and thermal systems. The course is heavily oriented in laboratory work with half of the course concentrating on problem-solving math labs and hands-on hardware labs. Some of the units covered are: Force, power, energy, resistance, rate and work. Principles of Technology addresses the practical use of various units explained previously. It is not required but it is strongly suggested that Algebra I be taken prior to this class. This class is taught as a CTE class and qualifies as a science credit. Lab Fee: \$10.00

Principles of Technology II Grades 11-12, Elective, full year

Prerequisite: Principles of Technology I

Principles of Technology is an applied physics course based on the technology concepts of Momentum, Waves and Vibrations, Energy Convertors, transducers, Radiation, Light and Optical Systems and Time Constants. The course is heavily oriented in laboratory work with half of the course concentrating on problem-solving math labs and hands-on hardware labs. This course continues where Principles of Technology I left off. This class is taught as a CTE class and qualifies as a science credit. Lab Fee: \$10.00

Botany/Horticulture Grades 10 -12, Elective, full year

Prerequisites: Biology

This class will include topics in Botany related to the study of plant structure, function, reproduction, classification and development, as well as historical, commercial, medicinal, energy and other uses for plants. It will also include the basics of horticulture; including plant anatomy and physiology, growing media, nutrients and turf management, propagation of plants, landscaping, gardening and related careers.

Conservation Biology Grades 11-12, Elective, full year.

Prerequisites: Completion of two Science classes with a grade of “C” or better

This course develops conservation skills in understanding the connection between human use and natural resources. Student knowledge and skill are developed in: understanding natural resources and its importance in fish, wildlife and forestry conservation. Master trail stewardship, outdoor safety, and forestry will be featured. Hands on activities and labs will focus on career exploration , including careers as a park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, zoologist, and related occupations. Improving computer and workplace skills will be a focus. Lab fee: \$15.00.

Forensics Grades 11-12, Elective, one semester.

Prerequisites: Passed two years of Science

Forensics applies various fields of science to crime-based problem solving techniques. A problem based learning approach enables students to understand the science behind crime scene investigation. The lab intensive class uses key biology, chemistry, and physics concepts to illustrate many of the tests performed in a forensics crime lab. Some of the many activities include the physics of blood spatter, various types of DNA analysis including gel electrophoresis, fingerprint analysis with both physical and chemical processes, and the microscopic analysis of hair and fibers. Critical thinking skills, cooperative learning and problem solving will be emphasized through lab work, large and small group work and classroom discussions. A trip to the Illinois State Police Forensic Lab in Carbondale may be included. Lab fee \$5.00.

HONORS COURSES IN SCIENCE (All honors science students are required to do an independent research project)

Honors Biology I Grades 10-12, Elective, full year.

Prerequisites: Cumulative GPA 3.0, Science GPA 3.5. Students must submit: 1) an honors application, 2) transcript, and 3) a letter consisting of 10-12 sentences explaining their desire to enroll in the Honors Program.

This course will cover the topics presented in Biology I more intensely. Students will be expected to conduct research and to work independently as well as in group settings. This course will prepare you for the Honors/AP Biology II class if you so chose. Lab fee \$10.

Honors/AP Biology II (EB) Grades 11-12, Elective, full year

Prerequisites: Cumulative GPA 3.0, Science GPA 3.5

A student will be expected to 1) conduct independent research; 2) prepare in advance for lab activities; 3) use a college level text for in depth understanding. Advanced placement materials will be used and students can elect to take the Advanced Placement test. This is a second level college prep class. This is a great course in preparation for life science classes in college. AP Biology Cliff Notes are offered at a discount. Lab fee: \$20.00

Honors Chemistry I Grades 10-12, Elective, full year.

Prerequisites: Algebra I, Biology I or Concurrent enrollment, Cumulative GPA 3.0, Science GPA 4.0.

Honors Chemistry is the study of the composition, structures and changes of matter. This class primarily focuses on inorganic chemistry, but the last quarter is an introduction to organic chemistry. This class has labs, presentations, projects, current-events in science and critical thinking. This class works at an accelerated rate and goes into chemistry and its numerous applications in greater depth. Lab fee: \$20.00

Honors/AP Chemistry II Grades 11-12, Elective, full year

Prerequisites: Honors Chemistry 1 with a B or higher and Algebra 2

Topics: First semester is a more in depth study of inorganic chemistry, including thermodynamics, kinetics, and reactions. Second semester will concentrate on organic and biochemistry. Labs, current events and projects will be included. An AP text is used. Students may take the AP test in May. Lab Fee \$20.00

Honors Physics Grades 11-12, Elective, full year.

Prerequisites: Concurrent enrollment in Honors Algebra II with the ability to maintain a B or higher. Trigonometry is recommended.

General course description is similar to Physics, however there is a greater emphasis on theoretical Physics employing higher mathematical applications. The main course content consists of but not limited to Newtonian Mechanics, Thermal Physics, Electricity, Magnetism, Waves, Optics, Fluids, and Astronomy. This course does somewhat follow the AP Guidelines for the B exam as outlined by The College Board (www.collegeboard.org). This course is recommended for highly motivated, high ability students who intend to pursue post secondary degrees in mathematics, engineering, or any of the pure sciences. The book for this course is an AP approved book. Lab fee \$10.

Honors/AP Physics II Grade 12, Elective, full year.

Prerequisites: Student must have completed Honors Physics I with a B or higher. Concurrent enrollment in Honors Pre-Calculus with the ability to maintain a B or higher. The book for this course will be an AP approved book.

The course description will closely follow the AP Physics syllabus for exams B and C outlined by The College Board (www.collegeboard.org). Students are encouraged to take the AP Physics B exam. Lab Fee \$10.

Honors/AP Environmental Science Grades 11-12, Elective, full year.

Prerequisites: Biology and Algebra I required, Chemistry is recommended.

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The students may elect to take the AP test in May. Lab fee \$20.00.

FINE ARTS

Band Grades 9-12, Elective, full year.

Prerequisite: 1 year previous study on band instrument or consent of the instructor.

Fall season begins with a summer camp occurring 2 weeks before school begins and is spent in parade and field drill with concentration on performance and competition. After school time is required for rehearsals in addition to extensive weekend performances and travel. Concert season begins at the end of October and concentrates on the study and performance of standard concert band literature, 2-3 concerts, competitions, and performance for graduation ceremony. Students of this group also comprise the Pep Band for all home football and basketball games.

Honors Band Grades 11-12, Elective, full year.

Prerequisite: Permission of instructor. See the instrumental music director for more detailed course requirements and prerequisites.

Honors band will be taught in conjunction with regular band and thus will contain all the Band course requirements in addition to requirements to attend additional concerts, research areas of musical interest, audition for IMEA All-State Band, take at least one solo and one ensemble to contest, and attend all pep band performances. This class is only for students desiring to major or minor in music.

Jazz Band Grades 9-12, Elective, full year, after school class.

Prerequisite: Auditions during the first full week of school.

This class is an intermediate level performance ensemble. The class enhances student awareness of the jazz idiom as well as stressing growth of individual performance skills. Improvisation, instrumental skills and jazz stylistic practices are the focus of the student work in this class. There will be several required performances outside of the school day.

Jazz Ensemble Grades 9-12, Elective, full year, early bird class.

Prerequisite: Audition.

This class is an intensity performance ensemble. The class focuses on performance practices of the professional musician. This highly selective group performs numerous required performances throughout the school year. Knowledge of music theory, improvisation and modern jazz styles are necessary for success.

Beginning Guitar Grades 9-12, Elective, Semester

This course addresses the needs of any student wishing to play a stringed instrument. They will need to provide their own acoustic instrument for the course. Instruments to be taught are guitar, violin, viola, cello and bass. Students will proceed at their own pace within the class. An end of semester recital can be offered for parental viewing for students who wish to display what they have learned. This recital does not have to be offered for students who want to play an instrument, but do not wish to play in public. Students, who wish to, may also play in small groups, for example, violin duets, quartets, etc. Students will need to purchase individual books, depending upon their level. The average price for a method book is \$7.

Advanced Strings Grades 9-12, Elective, semester or full year

Prerequisite: Basic skills and understanding of the acoustic stringed instrument.

This course will focus on developing the ability to perform at a high degree of quality in the small ensemble genre. It is open to any student of orchestral stringed instruments and to guitar players who are comfortable playing from written notation, tablature and chord symbols upon teacher approval.

Marching Guard Grades 9-12, Elective, first semester only.

Prerequisite: Audition to take place in Spring before the school year. Students are encouraged to sign up for the class in order to be contacted for audition dates.

This group makes up the dance and flag element of Marching Band. Fall semester begins with a summer camp, which take place during the final 3 weeks of summer and is spent in parade and field drill with concentration on performance and competition. After school time is required for rehearsals in addition to weekend performances and travel. Students wishing to participate in both band and marching guard should sign up for the band course.

Treble Choir Grades 9-12 Elective, full year

This course is the introduction to choral singing, providing an overview of the fundamentals of vocal production, music theory, and choral literature. It is open to all who are interested in singing in an ensemble. Quarterly concerts will be presented and participating students are eligible for choral festivals, contests, small ensemble, and solo opportunities.

Concert Choir Grades 9-12 Elective, full year

Prerequisite – Audition

This course is the continuation of the study of vocal production, music theory, and expanded choral literature. It is an auditioned ensemble. Auditions will take place in the spring for each new academic year. Quarterly concerts will be presented and participating students are eligible for choral festivals, contests, small ensemble, and solo opportunities. Touring opportunities are available to this ensemble.

Honors Concert Choir Grades 10-12 Elective, full year

In addition to the requirements of Concert Choir, students are required to audition for festival choruses, participate in IHSA Solo and Ensemble, serve as section leaders within the ensemble, fulfill a recital attendance requirement, and complete a research papers each semester. This is designed for leadership opportunities for future music majors at the college level.

Chamber Singers Grades 10-12 Elective, full year, Early Bird Class

Prerequisite – Audition

This select ensemble will perform chamber literature of various genres. It is a high-level performance group with frequent performance opportunities. Interested singers must audition in the spring for each new academic year. Advanced music literacy is required. Touring opportunities are available to this ensemble.

Honors Chamber Singers Grades 10-12 Elective, full year, Early Bird Class

In addition to the requirements of Chamber Singers, students are required to audition for festival choruses, participate in IHSA Solo and Ensemble, serve as section leaders within the ensemble, fulfill a recital attendance requirement, and complete a research papers

each semester. This is designed for leadership opportunities for future music majors at the college level.

Art I-Fundamentals Grades 9-12, Elective, semester

Students in this course learn the basics of the visual arts through the elements and principles of design. Technical skills in two-dimensional materials will be emphasized. There will also be the inclusion of art history, aesthetics and criticism as it applies to assignments.

Art II-Exploration of Media Grades 9-12, Elective, semester.

Prerequisite: Art I

Students will apply the basic language of art to a variety of art processes. Exploration might include printmaking, sculpture, computer-generated imagery, graphic/commercial art, surface design and varied drawing and painting materials. Art history, criticism, and aesthetic will be included as it applies to the individual assignment. Art careers will also be explored.

Art III-Concepts Grades 10-12, Elective, semester.

Prerequisite: Art II

Students will build on their prior technical skills and begin to explore art as a vital communication. Art concepts will be taught and emphasized. Through varied materials, students will be able to apply generalized concepts to their own work.

Art IV-Concepts Grades 10-12, Elective, semester.

Prerequisite: Art III

Students will continue to build on prior technical skills and explore art as a vital communication. Art concepts will be taught and emphasized. Through varied materials, students will be able to apply generalized concepts to their own work. Art history and criticism will be a strong component of this class.

Art Studio Grades 11-12, Elective, semester, may be repeated for credit.

Prerequisite: Art IV, pass with a "C" or better.

Students continue the study of the visual arts through varied materials, techniques, historical and contemporary works of art and aesthetics. Students will begin to develop a personal vision and preference for a medium. Portfolio development will be emphasized.

Art Studio-Honors Grades 11-12, Elective, semester, may be repeated for credit.

Prerequisite: Art IV and teacher recommendation.

General course description is similar to Art Studio. There is an additional expectation of the student to enter competitions and to exhibit work. Students are required to visit and write critiques of local art shows and exhibits. Students will be able to prepare an artist's statement and analysis of their own work. Students in this class should have a high degree of self-motivation, good study skills and the ability to work independently, as well as, group situations.

Ceramics Grades 9-12, Elective, semester, may be repeated for credit.

Students will study the art elements and principles through the medium of clay. Basic ceramic construction methods of pinch, coil, slab and the potter's wheel will be used. Students also study clay preparation, glazing, historic and contemporary trends and aesthetics. In each successive course, the student develops technique and personal vision through hands-on projects.

Theatre (Beginning Acting) Grades 9-12, Elective, semester. (This course meets the communications requirement for graduation.)

This course is an introduction to basic principles of acting. Emphasis is on performance in workshop situations. Major areas of instruction are voice and articulation, pantomime, stage movement, improvisation, developing the role (scene study), creative dramatics, performance techniques and rehearsal skills. Rehearsal and performance is on both an individual and group level. This will be a lecture and lab course. A final performance is required for course credit.

Advanced Theatre (EB) Grades 9-12, Elective, semester.

Prerequisite: Theatre

Students in this course will continue the study of the dramatic theatre. Major areas of study will be the structure of drama, varieties of drama, drama history/criticism, Shakespearean drama and the future of dramatic theatre. An additional area of study would be in the technical theatre, such as lighting, costuming and make-up. This will be a lecture and lab course. Careers in the theatre will be presented.

Speech Grade 9-12, Elective, semester. (This course meets the communications requirement for graduation.)

The class is designed to introduce students to the many areas of public speaking. Units covered include informative and persuasive speaking, small group communication, non-verbal communication and special occasion speaking. Students will have the opportunity to perform in a variety of situations that will help develop their critical thinking, leadership and speaking skills. Since the course tends to be

performance oriented, students enrolling should be articulate and show a keen interest in language arts.

Advanced Speech (EB) Grades 10-12, Elective, semester, Early Bird Class.

Prerequisite: A "C" in Speech or teacher recommendation.

The class is designed to give students more opportunities to develop their communication skills. This class will focus mainly on building stronger presentation ability. However, strong verbal and written skills are still recommended.

PHYSICAL EDUCATION

Physical Education-Freshman Curriculum Grade 9, Required

The fundamental purpose of the Fitness for Life program is to help all learners become informed independent decision makers capable of planning for enjoyable lifetime fitness and physical activity while at the same time achieving personal fitness and activity goals for the present. The Fitness for Life program is designed to help students accomplish four main objectives:

1. Acquire knowledge about the benefits of physical activity to health and wellness and about the principles of fitness.
2. Acquire and use self-management skills to promote lifelong physical activity.
3. Become physically active while pursuing goals to become physically fit.
4. Become an independent decision maker who can plan his or her own personal fitness program.

Physical Education-Sophomore, Junior, and Senior Curriculum Grades 10-12, Required

The following one semester units are available until the class is filled. Each unit has a maximum number of students and once that maximum is reached, you must select a different activity unit.

Lifetime Activities

This class provides students with the opportunity to develop skills in life-long athletic and leisure activities. The area of activities being offered are golf, tennis, roller-blading, table tennis, rhythmic, jogging, power walking, pickle ball, badminton, yoga, martial arts, volleyball, eclipse ball, lawn games, and personal fitness.

Team Sports

Games included in this class will be selected from a variety of the following activities: ultimate Frisbee, flag football, basketball, volleyball, eclipse ball, table tennis, team handball, volley tennis, four corner volleyball, lacrosse, floor hockey, tchoukball, and korfbal. Units are approximately three weeks in duration on a Monday, Wednesday, and Friday. Cardio training will be offered on Tuesday and Thursday. Development of sportsmanship, cooperation, leadership, and personal fitness are important goals of this unit.

Strength Training

The primary emphasis of this class is to make the student athlete bigger, faster and stronger. The standard BFS program will be implemented along with training techniques from various collegiate athletic programs. Agility, speed and explosion drills will be incorporated in the program. A standard circuit program will be used by the non-athletic student. CCHS athletes will have the first opportunity for enrollment.

Adventure/Outdoor Education

The first semester class, Adventure/Outdoor Education 1, will offer individual and cooperative activities built around team building, individual and team challenges, and trust activities. Rock climbing and belaying skills utilizing the climbing wall, along with principles of orienteering and hiking/camping will be offered in this class. Other outdoor skill related activities will be included. The second part of the class, Adventure/outdoor Education 2, will utilize some of the same activities while adding other activities such as Archery, Fishing, and outdoor cooking. Students must have completed Adventure/Outdoor Education 1 before taking part 2.

Applied Personal Fitness

This course will provide the opportunity for the introduction, discussion and practice of various ways that individuals can get fit and stay fit. Many different types of workouts will be offered, including, but not limited to: active games, circuit training, martial arts, jump rope, walking/jogging, interval training, core body strength, hand weights, medicine balls, therabands, plyometrics, exercise balls, hip hop aerobics, Zumba and more. A nutrition and activity journal will be kept with progression and achievement visible to the student. Fitness assessments/goal tracking will be done throughout the semester to check improvement. A good work ethic and a desire to get fit is a must for this class.

Physical Education Waivers/Substitutions

Students may request a P.E. waiver if they are: enrolled in Marching Band, ongoing participation in an interscholastic athletic program (three sport athlete), 11th and 12th graders enrolled in academic classes that are required for admission to an institution of higher learning,

or that are required for graduation from high school, provided that failure to take such classes will result in the student being unable to graduate. Other waivers may be applicable as indicated in the State of Illinois Guidelines per approval of the administration. P.E. substitutions are given for Health when taken the freshman year and Drivers Education when taken the sophomore year.

HEALTH & DRIVER EDUCATION

Health Grade 9-12, Required, semester.

Health is a one-semester course required for graduation. Primary emphasis is directed toward current health issues critical to the adolescent. Special attention is focused upon understanding the basic structure and function of the human body, nutrition and weight control, family living and human reproduction, communicable disease, emotional health, drug education, consumer and environmental health, safety and first aid. It is the purpose of the course to encourage and guide students to a better understanding of themselves and to contribute to their ability to achieve optimal physical, emotional and social well being. There are no prerequisites and all health classes are coeducational.

Driver Education Grades 9-12, Elective, 9 weeks, 1/4 credit

Prerequisite: The State of Illinois requires each student attending any public or non-public high school in the district to receive a passing grade in at least 8 courses during the previous 2 semesters prior to enrolling in a driver education course. At least one semester must come from their high school grades in meeting this requirement. The student will not be permitted to enroll in the course if this requirement is not met. A student must be at least 15 years old to enroll in the class.

A nine weeks class will consist of classroom instruction in motor vehicle safety involving state motor vehicle laws, the state instruction permit examination, motorcycle safety, safe driving procedures, decision-making techniques, drug education, etc. Six hours of “behind-the-wheel” instruction is optional and will be conducted by taking students out of Study Hall. Pending all other qualifications are met, students will be offered enrollment based on their birth date. Students with financial hardship who qualify for the free and reduced lunch program can apply for a fee waiver for the school fee only. Lab fee \$20.00; the state fee \$20.00 will be collected later. During the nine weeks following classroom instructions, students will have an opportunity for **Career Exploration** as well as, behind-the-wheel instruction.

CAREER EDUCATION

BUSINESS

Keyboarding and Formatting Grades 9-12, Elective, semester

Students will receive 3 credit hours from John A. Logan if they complete Keyboarding I, and Computer Concepts with a “B” or better. This course is designed to develop skills in keyboarding, word processing and basic computer skills. This class is intended for students who have no prior keyboarding/computer experience and for those who have learned on their own or in previous classes at the elementary or middle school level. It includes: touch system keyboarding with the standard of forty words a minute, composition at the computer, basic formatting techniques for memos, letters, tables, outlines and formal reports, and an introduction to e-mail and the Internet. If taken as an early bird class, students must provide their own transportation. More than 5 days of absence in early bird, may result in failure of the course. Lab fee \$5.00

Information Processing I Grades 10-12, Elective, semester.

Prerequisite: Keyboarding I and Formatting or equivalent. Students will receive college credit of 3 semester hours if they complete both Keyboarding I & Information Processing I with a “B” or better.

Students will improve their keyboarding skills by continuing to employ the touch system. Approximately six weeks will be spent increasing the student’s speed and accuracy skill. Advanced word processing techniques will be taught. Desktop publishing techniques will be taught. Further emphasis will be on creative and technical use of desktop publishing software in such areas as newsletters, brochures, and creative letterheads. Lab fee: \$5.

Business and Technology Concepts I Grades 10-11, Elective, semester.

This one semester course fulfills the state requirement for consumer education and offers opportunities to experience the responsibilities and consequences of decisions made in family groups. In this introductory level course students will be given an orientation to business, marketing and management concepts. Students will be exposed to business principles, business communication competencies and business computation competencies. Areas of study will include: basic business principles and economics; identification of types of businesses and classifications; basic writing skills, basic communication technology; exploration of banking, financial services, and financial records; evaluation of consumer purchasing decisions; money management; credit concepts and interest calculations; and an exploration of the

stock market. This one semester class will expose students to the basics of business principles.

Business and Technology Concepts II Grades 10-12, Elective, semester.

Prerequisite: Business and Technology I

This is a continuation of the introductory course. Students will be given an expanded view of topics covered in the first semester and an orientation to other business, marketing, and economic concepts - Focusing First 9 weeks on Micro Issues and second 9 weeks on Macro. Areas of study will include: analyzation and application of basic business and economic principles; identification of types of business organizations; organization and use of financial data; demonstration and an understanding of business administration; understanding banking concepts, insurance, savings and investments; examination of business ethics; the study of collective bargaining and the responsibilities of labor, management and government. The course content will be taught using textbook, computer, community resources, lectures, demonstrations, handouts, worksheets and other relevant resources.

Computer Concepts Grades 9-12, Elective, semester.

Prerequisite: One semester of Keyboarding and Formatting or equivalent. Students will receive 3 credits hours from John A. Logan if they complete Keyboarding I and Computer Concepts with a “B” or better.

This class is set up for students to learn the basics of Word, Excel, Power Point, Access, Publisher, Internet communication and digital media. Materials covered in this class are considered basic computer literacy skills that all students should possess and will utilize in high school and at the college level. This course may be taken concurrently with Information Processing I and/or Programming Language and Internet. Lab Fee \$5.

Web Page & Interactive Media I Grades 10-12, Elective, semester.

Prerequisite: One semester of Keyboarding I and Computer Concepts or consent of the instructor.

This is an advance level course, offering an awareness and understanding of the application of computer information systems, technology, equipment and software for developing skills on tasks typically performed in business and industry. Students will be publishing the school newspaper and producing school television broadcasts. Units of study will include computer technology, media equipment, and usage of digital video cameras, digital cameras, scanners and color printers. Students will be exposed to a variety of multi-media processing systems using personal computers in a network environment and stand-alone video editing system. Lab fee \$5.

Web Page & Interactive Media II Grades 10-12, Elective semester

Prerequisite: Multi Media and Computer Applications I with a grade of “C” or better.

This course is a continuation of advanced application of computer information systems. Digital photography and manipulation, video editing and production will be emphasized. Students will work in broadcast production and print media including the school newspaper and school television programming. Lab fee \$5.

Computer Operations & Programming I Grades 9-12, Elective, semester.

Prerequisite: One semester of Keyboarding and Formatting and Computer Concepts are strongly recommended. Students will receive 3 credits hours from John A. Logan if they complete Keyboarding I, Computer Concepts, and Programming Language with a “B” or better. This is a course designed for students wishing to learn advanced operations of a computer system and to develop their programming skills using advanced programming languages. Topics covered in this class are: Visual Basic, HTML, Java, C++, Adobe Flash, advanced programming functions, network systems and an introduction to multi-media. The course can be taken concurrently with Computer Concepts. Lab fee \$5

Computer Operations and Programming II Grades 11-12, Elective, full year or semester.

Prerequisite: Computer concepts, Programming Language & Internet, Computer Operations & Programming I. Requires detailed curriculum goals with consent of teacher and department chairperson.

Students will submit written project plans. Resource materials for Computer Science Advanced Placement Program are also available. Units of study include advanced programming in Visual Basic C++, HTML, Java, and Adobe Flash. This class is designed for the student who is intrinsically motivated and plans a career in computer science. Lab fee \$5.00.

Honors Computer Operations and Programming Grades 11-12, Elective, full year or semester.

Prerequisite: Computer concepts, Programming Language & Internet, Computer Operations & Programming I.

General course description is the same as Programming Projects, however, “honors” students are expected to progress through the required content at a more accelerated pace and there is a greater emphasis on research and application. All “honors” students are expected to complete an approved research project in conjunction with the required Programming Projects content. This course is recommended for highly motivated, high ability students. Lab fee \$5.00.

General Marketing/Sports & Entertainment Marketing Grades 11-12, Elective, semester.

Prerequisite: Business & Technology I.

This class is designed for students to learn the functions of marketing as they relate to occupational tasks, including sports and entertainment. The students will learn about salesmanship, promotion/advertising, pricing, market research, consumer behavior, sponsorship, and event marketing. The exercises, case problems and activities for this course are designed to reflect true situations in general marketing and in the sports and entertainment field.

Business Ownership/Management Grades 11-12, Elective, Semester.

This course is designed for individuals who wish to pursue self-employment through owning and operating their own business. In this course, students will be guided step-by-step through the process of owning and operating their own business from conception of the business to details of daily operation.

Business Internship Grade 12, Elective, one semester, 2 hours-2 periods.

Prerequisite: General Marketing/Sports & Entertainment, Business Ownership/Management or Business & Tech II. Students must have received a "B" or better in General Marketing/Sports & Entertainment.

Students will spend an internship in the banking/finance community in Carbondale. Experiences will include all phases of banking, investments, insurance and real-estate. Students will need to make arrangement for their own transportation to and from the job site.

Accounting I Grades 10-12, Elective, full year.

Prerequisite: Recommended 2.0 or better GPA.

This full year course (within our two year program) develops an understanding of the basic principles of the accounting cycle and continues with more advanced accounting procedures that are used in the workplace today. Students will explore the excellent career opportunities that are available to graduates with an accounting background. This course provides an excellent opportunity for the college-bound student, especially those considering any type of business related degree. Learning in this class will be enhanced by use of practice sets and computers. Lab, book/materials fee: approximately \$15.00.

Accounting II Grades 11-12, Elective, full year.

Prerequisite: "C" in Accounting I

Completion of Accounting I & II with a "B" or better earns 3 credit hours from John A. Logan College.

This full year course continues where Accounting I left off. Students will be introduced to more advanced levels of accounting principles and will be provided a full semester of comprehensive computer-based curriculum. Students will develop electronic financial reports, comprehensive payroll data, and advanced journal procedures for all levels of business ownership. This course will provide a technical background for college-bound students who plan any career in a business related field, as well as those who wish to obtain a salable vocation skill. Lab book/materials fee: approximately \$15.00.

Interrelated Co-op Grade 12, elective, full year.

Prerequisites: Students must submit a written application form to the Co-op Coordinator to be accepted in the program. Students must have demonstrated dependability through attendance and must have at least a 2.0 GPA or the consent of the instructor. Students will be selected from the applications and interviews for the number of seats available in the class.

This class is designed for senior students interested in gaining workplace skills through an organized classroom setting and the workplace environment. Students are released for part of the school day for their paid cooperative work experience or may work after school hours. Ten to twenty hours of work per week is the usual amount of time spent on the job. In addition, students attend a daily class designed to develop skills and attitudes necessary in the workplace. A written training agreement and personalized training plan will be developed by the student, employer, and coordinator. This course meets the consumer education requirement. Students must provide for their own transportation to and from the job site.

COMPUTER NETWORKING

A+ Computer Hardware Grades 11-12, Elective, Semester

Prerequisite: Keyboarding I and Computer Concepts or Computer Operations and Programming I

This is a skill-level course designed to provide students with the skills needed to setup, configure, test, troubleshoot, maintain, and administer a data network using various operating systems such as Windows. This course and A+ Computer Software will prepare students for their A+ certification. Both semesters must be taken to become certified. The course covers computer architecture, microprocessors, memory, storage, video, modems, printers, local area networks, electrical theory and portable computers. It deals with

personal computers as well as networks. Lab fee \$5.00.

A+ Computer Software Grades 11-12 Elective, Semester

Prerequisites: A+ Computer Hardware

A+ computer Software is a skill-level course for students who have completed A+ Computer Hardware. Students will continue to learn skills to setup, configure, test, troubleshoot, maintain, and administer a data network using various network operating systems. This course will prepare students to successfully complete the A+ certification exam for an entry-level computer technician. Lab fee \$5.00.

FAMILY AND CONSUMER SCIENCE

L.I.F.E. Grade 9, Elective, semester

Students having successfully completed a middle school Family & Consumer Science course may take Foods and Nutrition I or Clothing I. Learning for Independence, Family& Employment: this class focuses on the total well-being of the person in order to develop a healthy, well-adjusted, self-confident individual, family member and worker. Eight basic units included in the course are: healthy lifestyles (ex. Foods), self-esteem, relationships, management, parenting, human development (infant simulation) life situations and careers.

Resource Management (Consumer Education), Grade 12, Required, semester.

Learning experiences focus on the understandings and skills needed to make decisions about the use of resources and prevention strategies that contribute to an improved quality of life. The course content includes the following duty areas: utilizing resources and consumer information by applying goal-setting and decision-making skills; evaluating use of resources to meet social, physical and psychological needs; maintaining health standards by applying safety information; applying consumer rights and responsibilities in the marketplace; accomplishing mutual goals by utilizing human resources and resource/consumer management skills necessary for present and future decisions. This course meets the requirement for consumer education ,as required by the School Code of Illinois (Section 27-12.1).

Early Bird Resource Management (Before School Consumer Education), Grade 12, 9 week mini-course, 1/4 credit.

This course is taught before school for those students who have a full 6 class schedule. See Resource Management above. In order to receive credit for the class, no more than 4 absences are permitted. Students must provide their own transportation. This class is very fast paced and has a heavy work load.

Adult Living Grades 11-12, Elective, semester. (Meets consumer education requirement.)

This course is designed to assist individuals and families in achieving life satisfaction through responsible participation as adults in the home, community and workplace. Emphasis is placed on the development of prevention strategies, which will assist individuals in responding to situations in terms of their identified values and goals. The course content includes the following duty areas: developing short and long-range plans, demonstrating goal-setting and decision-making skills; evaluating and adapting basic needs to assume roles and responsibilities; recognizing and following health practices that assist in coping, selecting and using resources to enhance individual growth and development; developing effective relationships to promote communication with others; and evaluating family and career changes as to the impact on individuals. Infant simulators will be used in this class. Various resources to assist with life problems are explored. This course is designed for both males and females.

Food and Nutrition I Grade 10-12, (grade 9, if completed Family & Consumer Science at the Junior High) Elective, semester.

This "how to" course will provide students with classroom and laboratory experiences needed to know and understand basic food principles and applied nutrition concepts for people of all ages. Units of study will include: careers in foods and nutrition; identify and use proper safety and sanitation measures when preparing food; identify, understand, and apply basic principles of cookery; identify and utilize cooking tools to promote efficiency; understand cooking terms and apply them to achieve the best results when preparing food; use the decision making process to coordinate and organize preparation techniques to produce satisfying meals and serve appropriately; make maximum use of resources when planning, preparing and serving food. The course will be taught using various means of demonstrations, laboratories, field trips, class handouts, and study guides. Information related to careers in foods and nutrition will be utilized.

Food and Nutrition II Grade 9-12, Elective, semester

Prerequisite: Food and Nutrition I

In this second orientation level foods course, more attention is paid to food selection and preparation for special circumstances and dietary needs. Laboratory sessions are devoted to preparation of foods with specific characteristics. Course content should include the following broad areas of emphasis: careers in foods and nutrition, influences on food customs, diet and health, current nutritional issues, planning for special food needs, safety of foods, food purchasing, prevention of food-borne illnesses, conservation in providing food, food preservation. The application of the above-mentioned areas of emphasis to food service occupations is stressed. This course provides an introduction to

commercial food service, preparation and management.

Food Service Occupations I (The Professional Cook's Class I), Grade 10-12, Elective, full year or semester, 1 or 2 periods.

Prerequisite: A 2.0 grade average in previous high school food's classes or the teacher's consent. (Must begin course 1st semester only)
This course is designed to provide students interested in careers in food service with information and practical experiences needed for the development of food service job-related competencies. Units of study will include: following safety procedures, cleaning and sanitation, arranging services and serving guests, preparing beverages, garnishes, toppings, fillings and appetizers, preparing and serving food in quantity, preparing vegetable, sandwiches, preparing meats, poultry, fish, and shellfish, good work habits, cake decorating. The overall intent of the course is to prepare the student with basic skills needed to handle an entry level job in the food service area and to enrich his/her knowledge and appreciation of well prepared, attractively served fine food. Students will participate in job shadowing.

Food Service Occupations II (The Professional Cook's Class II) Grade 11-12, Elective, full year or semester, 1 or 2 periods

Prerequisite: Food Service I, with a 2.6 grade average in that class and the teacher's consent. (Must begin course 1st semester only)
This advanced course in Food Service will continue developing the knowledge and skills begun in Food Service Occupations I. Additional units of study will include: advanced safety procedures, taking an exam comparable to the Public Health Sanitation Test, cost control, utilizing quantity food equipment, utilizing quantity foods recipes, preparing various food products, serving guests, management skills, human relations, performing side work, table and counter cleaning duties. Training experiences will involve equipment and facilities that simulate those found in business and industry. Students will participate in a job shadowing program.

Clothing and Textiles I Grade 10-12, (grade 9, if successfully completed Family & Consumer Science in Junior High) Elective, semester.

This course is planned to provide students opportunities to develop knowledge and understanding of textiles, fashions and fabrics and to assist them in meeting the clothing and fabric (fashion) product needs of themselves, families and/or the general public. The course content centers around developing student competencies in the following duty areas: selecting clothing and textile products using goal-making skills; meeting social, physical, psychological and economic needs in evaluating, selecting and caring for clothing and textiles; appraising clothing/textile products which contribute to health, safety and comfort; maximizing resources in selecting, constructing, altering, repairing and remodeling clothing/textile products; communicating intended clothing image to others; and approving decisions necessary for clothing and textile needs. Information and experiences providing students with an understanding of the psychological aspects of fabric products as related to the needs of people, and the jobs and careers using competencies related to textiles and fabrics are included throughout the course. Lab fee \$2.00

Clothing and Textiles II Grades 10-12, Elective, semester.

Prerequisite: Clothing and Textiles I.

This course is devoted to increasing the level of knowledge and skills of students as they construct, purchase, care for, and work with clothing, accessories and textiles. Additionally, the ways in which personal and fashion aspects interact with the market will be explored in this primarily non-laboratory course. Broad areas of emphasis for this course include career opportunities in clothing, accessories, and textile products fields: fibers and fabrics; color, line and design in fashion; clothing selection based on needs; consumer information on clothing purchases; clothing maintenance and care; sewing and other construction skills; and merchandising clothing. The application of the above-mentioned areas of emphasis to occupations is stressed. Students may participate in job shadowing. Lab fee \$2.00

Clothing Fashion and Apparel I Grades 11-12, Elective, semester.

Prerequisite: Clothing and Textiles I or II or permission of instructor.

This course provides students with the opportunities to develop competencies needed for employment in a variety of clothing, fashion and apparel-related occupations. Areas of study include: performing sales related activities, meeting customers' needs, preparing displays and performing merchandising duties. Pattern and garment alterations and garment construction or job-shadowing will be included.

Interior Design (Living Environments) Grades 10-12, Elective, semester.

Learning experiences are designed to provide students with the basic knowledge and skills needed to select, acquire, maintain and manage living environments that meet the needs of the occupants. The selection and care of housing and furnishings are related to factors such as social-economic conditions, individual tastes, psychological effects, aesthetic values, safety, sanitation and energy conservation. The course content includes the following duty areas: locating and managing housing using goal-setting and decision-making skills; evaluating living space to meet basic needs; creating and maintaining living environments; ensuring health and safety; selecting appropriate resources in creating living environments; determining the impact of the individual and/or group on living environments; applying housing and home management choices relating to changing family/individual and career patterns. Emphasis will be placed on the application of basic management principles as they relate to the environment.

Child Development Grades 10-12, Elective, semester.

Students who complete this course and Child & Day Care Services I with a “B” or better will earn 3 hours of credit from John A. Logan. The major aim of the course is to provide learning experience, which will help students to know and understand about the physical, cognitive, and psychosocial development of children from conception through adolescence. Topics will include: the physical, economic and psychological preparation for childhood, family planning, pregnancy, infant simulator and the complications involved, prenatal care, and characteristics and care of the newborn. The role of the parent and the family, as well as the environmental aspects, will be discussed as to how they shape the character and personality of the child. Other areas will include practicing good health and safety standards for children, encouraging children to utilize their resources, discipline, family values and attitudes. Students will also study discipline versus punishment, aggressive behavior, handling special problems, cultural differences and day care services. Information on careers related to childcare will be utilized throughout the course.

Parenting Grades 10-12, Elective, semester.

This course is designed to help students think through the responsibilities, satisfactions and stresses of parenthood. Many types of parenting situations are examined. Stress prevention and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources including the infant simulator; encouraging human relations skills in children/adolescents; and evaluating impact on parenting of family and career changes. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood.

Child and Day Care Services I Grades 11-12, Elective, full year or semester, two periods.

Prerequisite: A “C” average in Child Development or Parenting and consent of instructor (applications are available from the instructor).

Students are responsible for arranging their own transportation. Students may not be concurrently enrolled in Child Development.

Students who complete a full year of this course and Child Development with a “B” or better will earn 3 credits from John A. Logan. This course is designed to provide students interested in a career in child and day care operations with information and practical experiences needed for the development of job-related competencies. Students will be provided laboratory experiences either in a school-based or extended campus facility. Students will be expected to develop appropriate skills in program development and in assisting with children and/or adult activities. Classroom study is concerned with the philosophy and management of Care Centers and the state and local regulations governing care-giving operations. The main learning experiences will involve actual work with children/adults in situations that simulate those found in business and industry, as well as preparation for that activity.

Child and Day Care Services II Grade 12, Elective, full year, two periods.

Prerequisite: A “C” in Child & Day Care Services I and consent of instructor. **Students are responsible for arranging their own transportation.**

This course continues the subject matter begun in Child and Day Care Services I. The emphasis, however, is more on the administration of the care facility. Caring for infants and special needs children and/or older adults is included. Emphasis is placed on career opportunities, communication skills, human relations and the service needs of clients in the occupational area. The major learning experiences will involve actual work with children and/or adults in facilities that simulate those found in industry, and discussion of the findings and problems that arise from that activity.

INDUSTRIAL TECHNOLOGY

Introduction to Industry Grade 9, Elective, full year.

This full year course is designed to inform students about today’s industrial world and the kinds of industries in our region. It is designed to expose students to a variety of occupations and provide minimum basic skill development that will enable students to make meaningful decisions about which industrial occupation to pursue. Through a variety of training activities, students will be exposed to career opportunities in the four systems of the Illinois Plan for Industrial Education i.e., transportation, energy, utilization, communications and production. Experiences will start with basic employability skills needed by all workers and basic safety principles for Industry. Students will also be exposed to transition skills, vocational ethics, and generalized skills in this course. Experiences will include resources, technical processes, industrial applications, and technological impact. Units of study will include basics in the following: communication drafting/computer aided drafting, graphics communication, photography, radio/TV/broadcasting; transportation - auto mechanics, space; production - building management, construction trades, millwork and cabinet making, manufacturing, energy - electricity/electronics, alternate energy sources, solar energy, and conservation. Exposure to these areas will be provided through field trips, on-site visitations, guest speakers, film and laboratory simulations. Projects include a hands-on approach with studies in the qualifications for the various job

opportunities and activities in the laboratory, shop, classroom, and the actual work setting. Lab fee \$10.00

Principles of Technology I Grades 10-12, Elective, full year.
See Principles of Technology I in the Science area for a description.

Principles of Technology II Grades 11-12, Elective, full year.
Prerequisite: Principles of Technology I
See Principles of Technology II in the Science area for a description.

Robotics Grades 10-12, elective, full year

Prerequisite: Electronics I

This course will teach the scientific methodology as it is applied to problem solving. Students will learn about analog and digital information, integration of basic electrical concepts, fabricating and building prototypes, embedded systems and artificial intelligence. They will learn about programming language and how it is used in industry. Theory and skills are taught by lecture, discussion, demonstration and laboratory work with training level robotics equipment.

3D Animation and Design Grades 10-12, Elective, full year

Prerequisites: One of the following: Art I, Computer Concepts, Drafting, Architectural Design or permission of instructor

The 3D computer drawing and animation course is designed to provide students with a fundamental knowledge of 3D modeling (drawing). Application of surface materials, textures and basic animation will be included. This class will involve individual and group projects based on student interests, i.e. . . . special effects for film, architecture, engineering design and advertising. Integration of fundamentals using 2D to 3D visualization methods and solid modeling techniques will be explored exposing students to up-to-date industry standard practices in 3D drawing.

Small Engines/Auto Maintenance Grades 10-12, Elective, semester.

This course will provide learning experiences related to small gasoline engines and automobiles. Some units are safety, hand tools, parts, 2 & 4 stroke cycles, compressors, fuel, exhaust & cooling systems and diagnosis. Basic maintenance of automobiles that an owner can perform at home will be covered. Lab fee \$3.

Mechanical Drafting/ CAD I Grades 10-12, Elective, full year.

This course is designed for the student who likes to draw. The student becomes familiar with materials, principles, and terminology necessary for drawing technical plans. Since this course is for the more serious student, more emphasis is placed on the technical aspects of drafting.

Architectural Design/CAD Grades 11-12, Elective, full year.

Prerequisite: Strongly recommended Mechanical Drafting/CAD I or consent of instructor.

The need for basic concepts in well-designed homes is becoming increasingly important. The basic idea is that everyone has to live somewhere, and the largest single purchase that most families will make will be a home. A knowledge of good design is essential to get the most for your money. It is the purpose of this course to provide experiences that will enable the student to select good designs, help formulate his/her personal desires in a home, read blueprints, produce solutions to design problems presented, and gain a knowledge of occupations that are connected with architectural design.

Honors Drafting/CAD II Grades 11-12, Elective, full year.

Prerequisite: Mechanical Drafting/CAD I and architectural Design/CAD or Consent of instructor. Students who complete this course with "B" or better will earn 6 hours of credit from John A. Logan College.

This course is a continuation of Mechanical Drafting/CAD I. Problems and lessons are more advance and detailed in content. These problems utilize reference materials, learning skills and workbook knowledge for problem-solving comparable to that of an actual job situation. The student continues in his/her chosen area of specialization.

Aviation Grades 10-12, Elective, semester only.

This course will give the student an appreciation for the role that aviation plays in the community and the future. Topics covered in the course are: careers in aviation, principles of flight, navigation, operation of instruments, parts of a plane, weather, and communications. Activities include a paper airplane contest, speakers, field trip to airport, etc.

Introduction to Construction (Woods), Grades 10-12, Elective, semester only.

No prerequisites, but highly recommended that students have had Intro to Industry.

This course deals with processes and problems involving wood and wood by-products. Students will learn how wood and wood by-products fit in with manufacturing in today's technology. Students will be involved in conducting experiments, mass production and use of wood shaping machines. Shop fee: Materials used.

Construction I Grade 11 only or consent of Instructor. Elective, full year, 2 periods.

Students must provide their own transportation to the job site.

This course is a two period course. The class meets two clock hours a day. This training level course will provide the students with experiences related to erection, installation and maintenance of residential buildings and related fixture. Units of study will include: review of safety practices and principles; building principles; footings, foundations and basement layout methods; local, state, and national codes; cost estimating; read and interpret blueprints; floor, wall, ceiling, and roof framing; apply roofing materials; install exterior doors and windows; apply and install soffit/facial and guttering; layout and construct sidewalks, porches, and driveways; grade yard; observe and discuss plumbing, heating, and air-conditioning; observe and discuss rough wiring; residential wiring course wires house. This program is designed to equip students with basic employability skills in construction occupations. Post -secondary construction programs are not available in our region.

Construction II Grade 12, Elective, full year, 2 periods.

Prerequisite: Construction I, or Summer Construction and consent of instructor required. Seniors in 2nd year of program have preference.

Students must provide their own transportation to the job site.

This course is a two-period course. The class meets two clock hours a day. This skill level course will build on experience students had in the Construction I course. Units of study would include: advanced safety practices and principles; insulating methods and materials; dry wall applications; observe and demonstrate installation of plumbing fixtures/systems; wall and ceiling painting; staining and varnishing doors, windows, and interior trim; installing doors and interior trim; installing cabinets; install finished flooring; observe and discuss installation of electrical fixtures. All learning experiences are designed to allow the students to acquire job entry skills and knowledge. This will be accomplished through various classroom activities and actual finishing of construction of residence.

Electronics I Grades 10-12, Elective, Semester

This course provides learning experiences in basic electronics and electrical theory along with practical shop experiences in wiring and testing of various electrical/electronic circuits and apparatuses. Theory and skills are taught by lecture, classroom activities, and hands-on laboratory work with both "Breadboard" and actual circuit boards.

Electronics II Grades 11-12, Elective, one semester.

Prerequisite: Electronics I

This course provides learning experiences related to the testing, maintenance, and repair of digital electronics components and digital circuits. Learning activities in this course will be coordinated to permit students to acquire knowledge of digital technology, to develop practical skills in testing, maintaining, repairing selected electronic components, circuits, equipment and systems. This class covers the basics of control systems in automation and PLC programming. Theory and skills are taught by lecture, discussion, demonstration and laboratory work with actual PLC's as used in industry.

Botany/Horticulture Grades 10 -12, Elective, full year

Prerequisites: Biology

This class will include topics in Botany related to the study of plant structure, function, reproduction, classification and development, as well as historical, commercial, medicinal, energy and other uses for plants. It will also include the basics of horticulture; including plant anatomy and physiology, growing media, nutrients and turf management, propagation of plants, landscaping, gardening and related careers. Lab fee \$10.

HEALTH OCCUPATIONS

Anatomy & Physiology B (with Orientation to Health Occupations) Grades 11-12, Elective, full year.

Prerequisite: Minimum of a 2.5 GPA and Biology I with a "B" or better. Chemistry is strongly recommended. Excellent attendance is mandatory. **Students must provide their own transportation to a health care site.** See Anatomy & Physiology B in the science area for course description. This qualifies as a science credit.

Health Occupations II Grades 11-12 Elective, one semester.

Prerequisite: Orientation to Health Occupation, Health Occupations I(Anatomy & Physiology) or Chemistry, GPA of 2.5 or higher, a

grade of B or higher in health occupations courses and excellent attendance. **Students must provide their own transportation to the job shadowing site.**

This course requires students to explore more deeply a chosen health career. Units of instruction include geriatrics, alternative medicine, vital signs, required volunteering as well as attending a health career fair. Guest speakers will provide insight into various careers and career paths. Students will job shadow two-three days a week for fourteen weeks at a health site. Students must maintain a “C” average in academic work to job shadow.

Health Occupations III Grades 11-12. Elective, semester.

Prerequisites: Health Occupations II, a GPA of 2.5 or higher, a grade of B or higher in health occupations courses, excellent attendance and teacher approval. **Students must provide their own transportation to and from the job-shadowing site.**

Students will conduct personal interviews, read and review journal articles, and maintain a daily journal. Students will job shadow four days a week for sixteen weeks at a job site.

Health Occupations IV Grades 9-12, Elective, semester or full year (after school, unless enrolled in a Health Occupations class or qualified for release). **Students must provide their own transportation to and from the hospital.**

Prerequisites: Current or past enrollment in Orientation to Health Occupations, Health Occupations II or III, Accelerated Biology, Honors AP Biology, Chemistry or Physics. Must have a “B” or better in one of the above courses or at least a 3.0 GPA, if concurrently enrolled. Students will enter a mentoring program at Carbondale Memorial Hospital. Weekly logs, mentoring meetings and on-site experiences will constitute the curriculum. Students must complete 80 hours to receive ½ credit and 160 hours to receive 1 credit.

Certified Nursing Assistance Program Grade 11-12, semester, 1 credit, 2 periods.

Students must pass the ASSET exam and/or score a 30 or better on Reading skills. Students must also have a 2-step TB test before beginning the class and submit to a Health Care Criminal Background Check at the student’s cost of \$15.00. **Students must provide own transportation to John A. Logan College.**

CNA is designed to train students to be competent in skills necessary for the nursing assistant to function successfully in a hospital, long-term care facility or other health care facility. The nursing assistant will provide services related to the comfort and welfare of the resident under direct supervision of the licensed nurse or physician. Some topics to be covered include body mechanics, transfer techniques, basic anatomy and physiology, personal care, vital signs, rehabilitation, death, Alzheimer patient care, dying and post-mortem care. Cardiopulmonary resuscitation is also included. Students have both classroom and clinical site experience. Students will be able to take the state certification exam at the end of the class.

PHOTOGRAPHY

Photography Grades 10-12. Elective, semester.

Students explore both the technical and aesthetic aspects of black and white photography. Through proper camera handling, metering, exposing, film processing, and printing, students learn the basics to controlling photographic materials. Through lectures, readings, assignments, and critiques, students explore a variety of image making and produce original work incorporating their individual emotional conceptual content. Supplies cost approximately \$30.

Advanced Photography Grades 10-12. Elective, semester.

Prerequisite: Photography with a “C” or higher.

Students will continue to explore the finer points of photography, through the use of specialized equipment and techniques. Special effect photography is used both in and out of the darkroom. Students are encouraged to enter contests and competitions. The individual style of each student is explored and built upon. The current styles and careers in the “real world of photo” are discussed. Supplies cost approximately \$30.

SUPPORTIVE INTERVENTIONS

Achievement through Technology (AT) Grade 9, full year.

Prerequisite: Concurrent enrollment in Algebra I, EXPLORE placement scores, and teacher recommendation.

AT is a class designed to help students who are currently enrolled in Algebra I. Emphasis is placed topic comprehension, homework completion, reviewing for quizzes and tests, and study skills specific to mathematics.

Advanced Achievement through Technology (AAT) Grade 11, full year.

Prerequisite: Concurrent enrollment in Algebra II, EXPLORE placement scores, and teacher recommendation.

AAT is a test-preparation class whose primary focus is to prepare for the mathematics sections of the PSAE test which is taken by all juniors in April. In addition, AAT is an opportunity for students to improve their math skills with an emphasis on advanced algebra topics and prerequisite skills necessary for success in Algebra II.

Academic Support Grades 9-12

Prerequisite: Placement determined by the Teacher Assessment Team.

This class provides support services to regular education students who need assistance with academic, organizational, and test taking skills. Placement in this class is based on the recommendation of the Teacher Assessment Team.

Other Supportive Interventions

Other Supportive Interventions include Reading Language Acquisition, Study Skills, and Transitional English (ESL). Descriptions of these courses can be found in the Reading section of the Course Description Guide, beginning on page 10.