

*Grant Community
High School
District 124*

**2011-2012
Curriculum Guide**



Home of the Bulldogs

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Course Selection and Registration

Beginning in January, counselors and teachers assist students in selecting courses for the following year. In March, a list of courses selected by students is mailed home for review and approval. **Course changes may be made up to the date indicated in the March mailing.** Subject level placement of incoming freshmen is based upon the results of placement tests, eighth grade teachers' recommendations, and high school department recommendations. Placement of students currently enrolled in high school is based upon previous performance and the recommendations of their teachers.

Grades and Reporting

Student grades are reported on a semester basis only. Each semester is comprised of three progress reporting periods, approximately 4 ½ weeks each. Grades of "I" (incomplete) will be given for extenuating circumstances only. The following represents an explanation of the grades presented on report cards:

- A** *A superior grade for outstanding performance*
- B** *An excellent grade for above average performance*
- C** *An average grade for satisfactory performance*
- D** *A passing grade for below average performance*
- F** *A failing grade*
- I** *Required work is incomplete. Students have **ten days** to complete work before grade reverts to "F"*
- W** *Withdraw from class (**Applies to AP Courses only**)*
- WF** *Withdraw from class failing (**Applies to AP Courses only**)*
- +** *Following a letter grade indicates slightly higher grade*
- *Following a letter grade indicates slightly lower grade*

Student recognition for academic honors is announced each semester. The following three honors are based upon the unweighted semester grades in all credit bearing courses. The criteria for these honors are:

Scholars' List -- Students who have earned a grade of "A" in all credit bearing classes for that grading period.

Honor Roll -- Students who have earned a minimum of a 3.5 GPA with a grade not less than a "B" for that grading period.

Honorable Mention -- Students who have earned a minimum of a 3.0 GPA with a grade not less than a "C" for that grading period.

To compute a student's class rank, grade points are assigned on a 4-point system. Grades for students taking honors and advanced placement courses are computed using the Academic Program Index (A.P.I.) formula.

Regular Courses:	A = 4.0	B = 3.0	C = 2.0	D = 1.0	F = 0
Honors Courses:	A = 5.04	B = 4.03	C = 3.02	D = 1.0	F = 0
AP Courses:	A = 6.08	B = 5.06	C = 4.04	D = 2.0	F = 0

Physical education and driver education are not given grade points or averaged for class rank.

Requirements for Graduation

Students must successfully complete a minimum of 22 credits. Students are expected to follow the requirements of the class in which they enrolled at GCHS.

- English - 4 credits (8 semesters) – All English department courses receiving English credit are writing intensive courses.
- Mathematics - 3 credits (6 semesters) – Algebra and Geometry are required.
- Science - 2 credits (4 semesters)
- Social Studies Applications - .5 credit (1 semester)
- U.S. History - 1 credit (2 semesters)
- Government - .5 credit (1 semester)
- Physical Education - 3.5 credits (7 semesters)
- Health - .5 credit (1 semester)
- Computer Applications - .5 credit (1 semester)
- Economics - .5 credit (1 semester)
- Driver Education - classroom phase (must pass minimum of 8 classes in the preceding 2 semesters)
- Required electives - 1 credit (2 semesters) from any of the following areas:
art, music, foreign language, vocational education

In addition to fulfilling the above requirements, in order to obtain a District diploma, students must take the Prairie State Achievement Examination. Exceptions to this requirement will be permitted if: (i) the student's individualized educational program (IEP) developed under Article 14 of the School Code identifies the Prairie State Achievement Examination as inappropriate for the student; or (ii) the student is enrolled in a program of Adult and Continuing Education as defined in the Adult Education Act.

Students receiving a failing grade in elective courses will not be allowed to enroll in those courses again with the exception of the following:

- Introduction to Technology
- Sewing I
- Food Preparation and Nutrition I
- Introduction to Art
- Reading Workshop
- Writing Workshop
- Math Workshop

Grade Level Classification

For standardized testing purposes and selected upperclassman privileges, grade classification will be in accordance to each student's credit accumulation as identified at the beginning of each semester. The minimum number of credits needed for each classification is:

Freshman	0 credits
Sophomore	5.0 credits
Junior	10.5 credits
Senior	15 credits

Requirements for College Entrance

College Course Requirements – Colleges and universities vary in their academic requirements. Please refer to college catalogs or consult with the guidance department for specific information.

College Admission Testing -- Colleges and universities require applicants to take either the ACT or the Scholastic Aptitude Test (SAT).

National Collegiate Athletic Association (NCAA) Eligibility

All prospective student-athletes first entering a college institution who want to participate at the NCAA Division I or II level must be verified by the NCAA Eligibility Center. To be considered a qualifier at the Division I or II level and to be eligible for financial aid, practice and competition during freshman year, certain conditions must be met. Students are encouraged to review these requirements with counselors to ensure eligibility.

ART

The Art Department exists to stimulate students in their development and growth through the utilization of knowledge and skills. Our goal is to teach students the necessary skills to transform thoughts and ideas into a concrete expression that shapes, reveals, and embodies art. The Art Department also provides a wide variety of content and media to encourage self-expression, self-development and the appreciation of one's self and others as well as art experiences.

Course # 1211 Introduction to Art

Prerequisite: None

Grade level: 9, 10, 11, 12 Course length: one semester Course credit: .5

This course is designed to enhance the student's aesthetic appreciation of art. The class will concentrate on the fundamentals of drawing and the elements of art. Students will complete many projects including sketches, small-scale drawings, and advanced color drawings.

Course #1212 Advanced Drawing

Prerequisite: Introduction to Art

Grade Level: 9, 10, 11, 12 Course length: one semester Course credit: .5

This course will continue the development of basic drawing skills. Students will study the elements and principles of design and participate in daily drawing practice and activities. There will be a major focus on drawing the human body.

Course #1226 Ceramics I

Prerequisite: Introduction to Art

Grade level: 9, 10, 11, 12 Course length: one semester Course credit: .5

This course is an introduction to ceramics focusing on creating functional and artistic clay forms. The processes that will be taught include hand building and wheel-throwing. Students will experience working with various glazes and firing techniques. A final digital portfolio will be required at the end of the semester.

Course #1222 Painting I

Prerequisite: Introduction to Art

Grade level: 9, 10, 11, 12 Course length: one semester Course credit: .5

This course develops basic two-dimensional principles with paint media. Painting teaches students in a studio atmosphere the correct procedures of watercolor, acrylic, and oil painting. A complex consideration of composition and technique are required. Independent work is emphasized.

Course #1231 Printmaking

Prerequisite: Introduction to Art

Grade level: 9, 10, 11, 12 Course length: one semester Course credit: .5

This course exposes students to create artistic prints using a mass production approach. This media includes stamping, collagraphs, linoleum and silk-screen. Printmaking uses both images and words through an artist's creative skills and techniques. Students will learn abstract thinking, process and computer illustration.

Course #1227 Sculpture

Prerequisite: Introduction to Art

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course continues to expand art knowledge and experiences in three dimensions. Sculpture technique, form, and content are emphasized thoroughly with a variety of 3-D media. Students will work with paper, plaster, clay, stone, wood, metal, and mixed media. The creation of many sculptures will be required as the semester concludes. Each student will also prepare work for the school gallery display and personal photographic portfolios.

Course #1228 Ceramics II

Prerequisite: Ceramics I, department approval

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course is a rigorous and in-depth 3D elective that will build on the skills, such as wheel throwing and hand building, developed in Ceramics. Through instruction and individual effort this course will encourage students to create an individual style and contemporary form as well provide them the opportunity to start developing a portfolio for AP Studio Art.

Course #1213 Digital Art

Prerequisite: Introduction to Art

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

In this course students will learn artistic expression with a digital medium that involves design, composition and publishing. Adobe Illustrator and In-Design software will be introduced and applied to all assignments. Projects using a combination of images, graphics and text will be stressed. The successful completion of a digital portfolio is required at the end of the semester.

Course #1223 Painting II

Prerequisite: Painting I, department approval

Grade levels: 10, 11, 12

Course length: one semester

Course credit: .5

In this course, students will improve and expand on the skills learned in Painting I and focus on portraits, figures and works of a larger scale. They will collaborate in designing and executing these larger paintings. Emphasis will also be placed on developing each student's individual style and knowledge of art history.

Course #1214 Digital Photography

Prerequisite: Introduction to Art

Grade level: 11, 12

Course length: one semester

Course credit: .5

In this course students will be introduced to digital photography by using SLR digital cameras to create their own pictures. Adobe Photoshop software will be utilized to correct, alter, manipulate, and enhance the images. Artistic principles that will be stressed include: composition, communication and color. The image will then be transferred for output to a 6 color inkjet printer. Students will be required to build a digital portfolio for review at the end of the semester.

Course #1215 Commercial Design and Production

Prerequisite: Digital Art, application, and interview

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

Commercial Design and Production will teach students the skills and concepts necessary for creating and mass producing Art for the marketplace. Through authentic learning students will work both independently and cooperatively to create complex works of professional quality commercial art using a variety of techniques, technologies and resources. Students will be expected to meet deadlines and demonstrate knowledge and skills that communicate clear and focused ideas based on planning, research, and problem solving. In order to enroll in this course, students must successfully complete the application and interview process. The interviews will be jointly conducted by the course instructor and the department chair.

Course #1280 Advanced Placement Studio Art

Prerequisite: Department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

AP Studio Art is designed for students who are seriously interested in the practical experience of art and preparing for the Advanced Placement exam. Students will create a college level portfolio for evaluation at the end of the year. This portfolio will contain dozens of projects focused on drawing, 2D and/or 3D design. This College Board program course requires a national standard for performance in the visual arts that will allow students to earn college credit while still in high school.

BUSINESS

Courses in the Business Department are designed to prepare students for employment in business, provide business-related instruction for personal use, and prepare them for college business curricula. Students are expected to gain an understanding of business concepts, become familiar with the computer as a business tool, and prepare for further education in areas requiring college preparation.

The following course is required for graduation: Computer Applications.

Course #0911 Computer Applications

Prerequisite: None

Grade level: 9

Course length: one semester

Course credit: .5

Students will review proper keyboarding techniques, develop skills for word processing, spreadsheets, graphics, presentations, and database applications. Students will create many original assignments applying the applications learned in class. Software used will be Microsoft Office.

Course #0920 General Business

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course covers the activities everyone participates in as a consumer, worker, or a manager. Topics included are: the wise use and management of personal finances; banking and bank services; insurance; investments; economic education; career opportunities; the three basic economic systems; credit and the role government plays in our economy.

Course #0917 Accounting I

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course is designed to prepare students interested in pursuing accounting beyond high school. Instruction is given on recording daily transactions using multi-columned general journals and special journals. Students are first taught the basic accounting cycle for a service-oriented business, including simple financial reports. Second semester encompasses payroll records, depreciation, bad debts, fixed assets, notes and interest, and accrued expenses for a merchandising business. Completion of one-year enrollment with an average letter grade of "B" or higher earns three (3) credit hours at the College of Lake County.

Course #0918 Accounting II

Prerequisite: Accounting I

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course is for students planning a career in accounting. Instruction is given in the accounting cycle of a merchandising enterprise, journal entries, posting, worksheets, and financial reports with accruals. The main emphasis is on the corporate form of organization. Department accounting and cost accounting are introduced. Financial reports are broken down into component parts with a comprehensive analysis of financial reporting. Completion of one-year enrollment earns four (4) credit hours at the College of Lake County only after the completion of the applicable proficiency exam.

Course #0915 Advanced Microsoft Office

Prerequisite: Computer Applications

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course will provide the students an opportunity to develop in-depth Advanced Microsoft Office skills including inputting, manipulating and managing data for hard copy, networking and visual presentation. Advanced applications will integrate activities using word processing, database, spreadsheets, charts, graphs, mail merges, and labels. A cross-curricular approach to information processing will be utilized, incorporating word processing, critical thinking, language, and communication skills. Students will work with integrated software in the Microsoft Office environment to gain the skills necessary to obtain a Microsoft Certified Applications Specialist (MCAS) if they elect to take the MCAS examination.

Course #0916 Web Site Design I

Prerequisite: Computer Applications and department approval

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course is designed to teach students how to create and design Web sites using the most popular software in the Web design industry, Adobe CS3 (Creative Suite 3). Students will learn basic web information including the history of the web; principles of effective design; and appropriate, legal and ethical use. Students will develop Web pages in Adobe Dreamweaver, and learn basic HTML code (HyperText Markup Language). Students will be given the opportunity to design and maintain their own Web site using various tools and additional software programs including Adobe Photoshop for images, animation, and photo galleries. Features include graphics, image maps, navigation bar, lists, tables, forms, cascading style sheets.

Course # 0924 Web Site Design II

Prerequisite: Web Site Design I and department approval

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course will focus students on advanced elements and techniques of Web Site Design. Students will review how to use Adobe's Creative Suite 3 (CS3) Software, including Dreamweaver, and learn additional skills in creating animations and images in Adobe Flash and Photoshop. Students will be introduced to several new topics including working with dynamic web templates, cascading style sheets, layout templates, frames and flash animation. Students will be required to design and maintain their own Web site using various tools and additional software programs including Flash (to make animations) and Adobe Acrobat for text files.

Course #0926 Advertising for Business Publications

Prerequisite: Computer Applications

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

Advertising for Business Publications is a one semester course that will focus on the role that advertising plays in society. In this class, students will learn how to establish company objectives, manipulate technology to create attractive advertisements for a variety of business publications, generate products that match target markets, and critically evaluate advertisements for effectiveness. Students will have the opportunity to work on a variety of projects as well as with local businesses to establish advertising portfolios. Students will use Microsoft Office 2007 including Publisher and Adobe Creative Suite to create their advertising materials.

Course #0921 Business Law

Prerequisite: None

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course is designed to help students understand legal and ethical obligations and rights in business related transactions. The students will study the legal aspects of contracts, warranties, computer law, financial crimes, environmental law, international law, and negotiable instruments.

Course #0923 Marketing: Sports and Entertainment

Prerequisite: None

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course introduces the students to the types of products, marketing strategies and careers in the sports and entertainment industries. Topics include consumer markets and behaviors, economic impact of marketing, product design, research processes, branding and licensing, marketing promotions and marketing careers. Students will be involved in a number of marketing activities specifically based on sports and entertainment.

Course #0925 Business Management & Entrepreneurship

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

Entrepreneurship is the art of owning and successfully operating a personal business. In this class, students will develop business skills and knowledge as they learn entrepreneurship is the best opportunity for financial independence. Additionally, students will learn from guest entrepreneur speakers, virtual business management simulations, assessment of business competition, and from the semester project of developing a business plan.

LCHSTC Advanced Placement Programming In C++

Prerequisite: Algebra and Geometry

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course is offered as a zero period distance learning class utilizing the Internet as the communication vehicle in conjunction with the Lake County High School Technology Campus. The course is designed to provide instruction in the fundamentals of computer science using the Java programming language. Students will be able to develop professional programs using realistic hands-on interdisciplinary exercises. This course will follow the curriculum recommended by the National College Board of Education. The goal of this course is to prepare students to take the Advanced Placement Computer Science test.

ENGLISH

The English Department promotes high expectations in its courses so that students will learn to express ideas in an organized manner, both orally and in writing. Students will gain appreciation for traditional and current literature and value a free exchange of ideas in a group situation for learning.

It is the intent of this department to have all students follow the sequential order of courses beginning with designated levels of English 9 through English 12.

Course #0027 English 9

Prerequisite: None

Grade level: 9

Course length: two semesters

Course credit: 1

This course is designed for students who need to build upon reading, writing, research, listening and public speaking and to review the conventions of grammatical structure, usage and agreement. Students will survey literature from a variety genre, including prose, poetry, biographies and essays. Students will write intensively for a variety of purposes and experience the basics of public speaking.

Course #0028 Advanced English 9

Prerequisite: None

Grade level: 9

Course length: two semesters

Course credit: 1

This course is for students who have demonstrated solid reading, writing, research, listening and speaking skills. Students will be required to achieve the necessary skills and knowledge associated with reading/writing purposes, focus, organization, unity, coherence, style, sentence structure and conventions of usage and punctuation. Students will write intensively throughout the course completing several oral, written and literary assignments and assessments that will prepare them to meet college expectations.

Course #0070 Honors English 9

Prerequisite: Department approval

Grade level: 9

Course length: two semesters

Course credit: 1

In this writing intensive course, students are expected to have mastered the basic rudiments of grammar, research, writing and literary analysis. Students will use sentence refining and combining techniques to originate and style essays by revising writing for content, coherence and transition. Students will delineate ideas, summarize passages, and analyze relationships among people, objects, events and ideas as presented in various literary genres including prose, poetry, drama and essays.

Course #0029 English 10

Prerequisite: None

Grade level: 10

Course length: two semesters

Course credit: 1

This writing intensive course focuses on vocabulary enhancement, writing skills, and essay development. In addition to writing a selection of essays, students will read several novels and other literary works, complete a research project with computer lab activities, and work on presentation (speaking and listening) skills.

Course #0030 Advanced English 10

Prerequisite: Department approval

Grade level: 10

Course length: two semesters

Course credit: 1

This writing intensive course will prepare students for writing, speaking, reading, research and various assessment challenges. Students will write essays, complete a research project and deliver speeches demonstrating a variety of rhetorical patterns. Students will also read novels and plays representing various styles and literary eras.

Course #0071 Honors English 10

Prerequisite: Department approval

Grade level: 10

Course length: two semesters

Course credit: 1

This writing intensive course is designed for students who have advanced skills in writing, speaking, and research. Students will read several novels, complete vocabulary enhancement activities, compose outlines and essays, engage in computer lab activities, investigate topics, deliver speeches, write literary essays, and complete a research project.

Course #0014 English 11

Prerequisite: None

Grade level: 11

Course length: two semesters

Course credit: 1

This writing intensive course offers a study of American writers and literature through contemporary times. Students will read diverse works and selected novels. Students will write compositions, literary essays, complete a major project and prepare for state testing.

Course # 0031 Advanced English 11

Prerequisite: Department approval

Grade level: 11

Course length: two semesters

Course credit: 1

This writing intensive course offers a chronological examination of American literature from Native American civilization through contemporary times. Students will complete several presentations and discussions on various authors and their works. Students will read selected novels, compose several literary essays and complete research projects.

Course #0072 Honors English 11

Prerequisite: Department approval

Grade level: 11

Course length: two semesters

Course credit: 1

This writing intensive course is designed for college-bound students who possess and demonstrate sophisticated reading, writing, speaking and listening skills. Students will concentrate on a chronological examination of American literature from Native American civilization through contemporary times. Students will be expected to contribute in discussions, write several literary essays and complete research projects.

Course #0081 Advanced Placement Language and Composition

Prerequisite: Department approval

Grade level: 11

Course length: two semesters

Course credit: 1

This writing intensive course will follow the curriculum recommended by the College Board. Students will read and write extensively as they practice a variety of college level writing assignments. They will identify and explain an author's use of rhetorical strategies and techniques; apply effective rhetorical strategies and techniques in their own writing; create and sustain arguments based on readings, visual texts, research, and personal experience; demonstrate mastery of standard written English as well as stylistic maturity in their own writing; and participate fully in all phases of the writing process. Students will also learn a variety of test-taking skills and techniques that will enable them to satisfactorily complete both the multiple-choice and essay portions of the Advanced Placement English Language and Composition Exam.

Course #0040 English 12

Prerequisite: None

Grade level: 12

Course length: two semesters

Course credit: 1

This writing-intensive course empowers college-bound students to communicate effectively and confidently. This course will explore contemporary interpersonal issues through reading, writing, and speech. Students will read contemporary literature from various genres. After conducting independent research, students will engage in critical discussions and small group decision-making. Students will master skills needed to construct written and spoken messages for particular audiences.

Course #0041 Advanced English 12

Prerequisite: Department approval

Grade level: 12

Course length: two semesters

Course credit: 1

This writing-intensive course empowers college-bound students to communicate effectively and confidently. This course will explore contemporary issues through reading, writing, and speech. Students will read and analyze novels, short stories, essays and speeches by important contemporary figures from around the world. After conducting independent research, students will engage in critical discussions and debates. Students will master skills needed to construct written and spoken messages for particular audiences.

Course #0073 Honors English 12

Prerequisite: Department approval

Grade level: 12

Course length: two semesters

Course credit: 1

This writing-intensive course empowers college-bound students to communicate effectively and confidently. Designed for upper-level, college-bound students, this course will explore contemporary issues through reading, writing, and speech. Students will read and analyze novels, short stories, essays and speeches by important contemporary figures from around the world. Students will be required to complete extensive literary and rhetorical analyses. After conducting independent research, students will engage in critical discussions and debates. Students will master skills needed to construct written and spoken messages for particular audiences.

Course #0082 Advanced Placement Literature

Prerequisite: Department approval

Grade level: 12

Course length: two semesters

Course credit: 1

This AP course engages college-bound seniors in the careful reading and critical analysis of classic and contemporary literature. Through the active reading of a rigorous selection of texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing assignments focus on the critical analysis of literature, including expository, analytical, and argumentative essays. Toward that end, writing instruction focuses on developing coherence, unity, precision, structure, and stylistic maturity. Students will also learn a variety of test-taking skills and techniques that will enable them to satisfactorily complete both the multiple-choice and essay portions of the Advanced Placement Literature and Composition Exam.

Course #1319 Reading Workshop

Prerequisite: Department approval

Grade level: 9, 10

Course length: two semester

Course credit: 1

This course is designed for freshman and sophomore students who need to improve their basic reading skills. By focusing on reading comprehension, vocabulary building, organization and critical thinking, students in this class will build upon the fundamental skills learned concurrently in English 9 and 10. Identified students will be assigned to this course based upon test scores and teacher recommendations. This English course does not fulfill the English requirements for graduation. Reading workshop can be repeated for non-English elective credit.

Course #1320 Writing Workshop

Prerequisite: Department approval

Grade level: 9, 10

Course length: one semester

Course credit: .5

This course is designed for freshman and sophomore students who need to improve their writing skills. By focusing on writing, sentence structure, paragraph development, organization, word choice and revision skills, students will build upon the fundamental skills learned concurrently in English 9 and 10. Assignments will be writing intensive. Identified students will be assigned to this class based upon their test scores and teacher recommendations. This English course does not fulfill the English requirement for graduation. Writing workshop can be repeated for non-English elective credit.

Course #1321 Theatre

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This non-English credit elective course offers a study of the basic elements of theatre. Students will be introduced to the fundamentals of acting including blocking, directing, set design, and writing dramatic material. Students will create a portfolio, participate in class performances, and may attend a professional performance.

Course #1317 Publications - Newspaper

Prerequisite: Department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This non-English credit elective course reinforces the techniques of research, interviewing, writing, and editing in the context of print journalism. Utilizing these skills, students will assume a high level of personal accountability by meeting deadlines and producing high quality articles. By focusing on process writing and encouraging critical thinking, the class builds upon foundational skills learned in all levels of English 9, 10 and 11, and is recommended for students who are experienced in writing and who have an interest in journalism. Newspaper can be repeated for non-English elective credit.

Course #1318 Publications - Yearbook

Prerequisite: Department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This non-English credit elective course introduces and reinforces skills related to yearbook design. These include interviewing, writing, editing, and layout. Students will assume a high level of personal accountability by meeting deadlines and producing high quality yearbook pages. Aside from enhancing intermediate computer skills, the class also builds upon basic writing abilities and is recommended for students who are interested in computer graphics, photography, and print media production. Yearbook can be repeated for non-English elective credit.

Course #1315 Creative Writing

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This non-English credit elective writing intensive course offers a study of the elements of personal narratives, short stories, poetry and journal writing. Following extensive writing in each genre, students will select promising pieces to revise and edit for publication in a portfolio.

Course #1316 Mythology

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This non-English credit elective course offers a study of classical Greek and Roman mythology, national myths, epics, legends, and fantasy. Using research and imaginative creations, students will design projects on selected works.

FAMILY & CONSUMER SCIENCES

The belief that family life is important to all people is the basis of the Department of Family and Consumer Sciences. It is believed that family life may be improved through education. Our program provides the kind of learning that fosters citizenship and intelligent consumer practices thus fortifying the home and enhancing the individual. The program includes techniques and skills the student may utilize to successfully confront situations of personal and family life. The Family and Consumer Science Program realizes the need for students to evaluate situations and make rational decisions regarding their present and future life experiences.

Course #0717 Parenting and Child Development

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

Students will be introduced to a positive approach to the lifelong commitment of parenthood as well as being a caregiver of children. Study will include family relationships and situations encountered throughout the childrearing years. This course may include work with pre-kindergarten children. Certificate work is available for the Systematic Training for Effective Parenting (S.T.E.P.) program.

Course #0711 Food Preparation and Nutrition I

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This is an introductory level foods course. Students will prepare healthy food in a healthy environment. Proper food preparation standards and nutrition will be encouraged to promote personal wellness.

Course #0712 Food Preparation and Nutrition II

Prerequisite: Food Preparation and Nutrition I

Grade level: 11, 12

Course length: one semester

Course credit: .5

This is a secondary level foods course in which students are involved in planning and preparing nutritional and attractive food. Topics of study include appetizers, salads, soups, main entrees, cake decorating, and desserts.

Course # 0716 Contemporary Living

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

Students will be introduced to skills used in making meaningful decisions regarding adult living. Rewarding life styles will be presented as well as a variety of useful techniques that will be applicable to successful adult relationships and positive work associations. Life skills are introduced and implemented through various class projects. Course study includes "life after graduation," relationships, marriage and family living, housing and financial responsibilities.

Course #0713 Sewing I

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

Students will have the opportunity to engage in the following skills through various sewing projects: problem solving, teamwork, creativity, technical reading, and critical thinking. Students will be expected to supply sewing materials.

Course #0714 Sewing II

Prerequisite: Sewing I

Grade level: 11, 12

Course length: one semester

Course credit: .5

Students will be able to advance their sewing knowledge as well as evaluate their personal preferences in fashion. Figure types, pattern fit and pattern alteration will be included in this course. Students will be expected to supply sewing materials.

FOREIGN LANGUAGE

The ability to understand and communicate with people of other countries is a valuable asset. Advancing technology and the need to communicate with others has placed economic and social importance upon foreign languages. There are colleges that require foreign language credits as part of their admission criteria and many corporations routinely hire employees who have knowledge of a second language.

Course #1110 French I

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course introduces students to the French language through the basic skills of listening, speaking, reading, and writing. It also exposes them to the cultures of various French-speaking countries. Topics include getting acquainted, describing people and things, making weekend plans, family, foods, recreation, sports, clothing, entertainment and vacations.

Course #1120 French II

Prerequisite: French I

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course reviews first year material and continues the study of the French language and culture with new vocabulary and grammar structure. New topics include pastimes, comparisons, feelings, holidays, driving, rights and responsibilities, family life, city life and talking about the past.

Course #1130 French III

Prerequisite: French II

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course covers advanced grammar and develops oral and written skills. French literature is introduced and cultural awareness is expanded through study of the daily life, history, geography and/or cuisine of France.

Course #1140 French IV

Prerequisite: French III

Grade level: 11, 12.

Course length: two semesters

Course credit: 1

This course reviews the structure of the language and continues to expand grammar and vocabulary. It further develops command of the language through original and spontaneous oral and written work, as well as the study of a variety of materials, both literary and cultural.

Course #1170 Honors French IV

Prerequisite: French III and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

Students in this course will follow the basic French IV curriculum. In addition, they will be expected to produce oral and written samples that demonstrate a higher level of proficiency and critical thinking. They may also be exposed to more advanced readings.

Course #1172 Honors French V

Prerequisite: French IV or Honors French IV and department approval

Grade level: 12

Course length: two semesters

Course credit: 1

Students will work in an advanced level textbook and will complete projects such as readings, research papers, oral presentations, videotapes, etc., according to their interests and needs.

Course #1111 Spanish I

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course introduces the Spanish language through the basic skills of listening, speaking, reading, and writing. It also exposes students to the cultures of the various Spanish-speaking countries.

Course #1121 Spanish II

Prerequisite: Spanish I

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course reviews first year material and continues the study of the Spanish language and culture with new vocabulary and grammar structure. It also exposes students to other areas, such as current events and geography.

Course #1174 Honors Spanish II

Prerequisite: Spanish I and department approval

Grade level: 9,10, 11, 12

Course length: two semesters

Course credit: 1

This course will follow the basic Spanish II curriculum. The students will also have to produce additional oral and written work, and will be exposed to supplementary advanced readings. This course will prepare students for the next Honor level(s), and ultimately for the Spanish Advanced Placement exam.

Course #1131 Spanish III

Prerequisite: Spanish II

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course reviews second year material and continues the study of the Spanish language, with new vocabulary and grammatical topics. It also expands the students' awareness of the different cultures and traditions of the Spanish-speaking world, and exposes them to other areas of language learning, such as current events, history, geography, and literary excerpts by Spanish and Latin American authors.

Course # 1175 Honors Spanish III

Prerequisite: Honors Spanish 2

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course follows the basic Spanish III curriculum. The students also have to produce additional oral and written work, and are exposed to additional literary works. This course prepares students for the next Honor level(s), and ultimately for the Spanish Language Advanced Placement test.

Course #1141 Spanish IV

Prerequisite: Spanish III

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course reviews the structure of the language and continues to expand vocabulary. It further develops command of the language through original and spontaneous oral and written work, as well as the study of a variety of materials, both literary and cultural. The course content and emphasis may vary, depending on the interests and needs of the student.

Course #1171 Honors Spanish IV

Prerequisite: Spanish III and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

Students in this course will follow the basic Spanish IV curriculum. In addition, they will be expected to produce oral and written samples that demonstrate a higher level of proficiency and critical thinking. They may also be exposed to more advanced readings.

Course #1173 Honors Spanish V

Prerequisite: Spanish IV or Honors Spanish IV and department approval

Grade level: 12

Course length: two semesters

Course credit: 1

Students will work in an advanced level textbook and will complete projects such as readings, research papers, oral presentations, videotapes, etc., according to their interests and needs.

MATHEMATICS

Mathematics provides the essential problem-solving tools applicable to a range of scientific disciplines, business, and everyday situations. Mathematics is the language of quantification and logic. The elements are symbols, structures, and shapes. It enables people to understand and use facts, definitions, and symbols in a coherent and systematic way in order to reason deductively and to solve problems.

Course #0309 Algebra I A

Prerequisite: None

Grade level: 9, 10

Course length: two semesters

Course credit: 1

The focus of this course is the foundation of algebraic concepts. Topics include order of operations, mathematic properties, equations and inequalities, exponents, rational numbers and ratios. Students learn how to graph, study basic 2D/3D geometry and examine simple statistics and probability concepts. A scientific calculator is required.

Course #0310 Algebra I B

Prerequisite: None

Grade level: 10, 11

Course length: two semesters

Course credit: 1

This course focuses on algebraic fundamentals. Topics include probability, functions of equations and inequalities, graphing and writing linear equations, quadratic equations and exponential functions. In addition, students learn radical expressions, polynomials and rational expressions and functions. A scientific calculator is required.

Course #0312 Algebra I

Prerequisite: None

Grade level: 9, 10

Course length: two semesters

Course credit: 1

Students learn to describe the world around them with algebraic expressions, equations, graphs, and statistics. Applications, calculators, and computers provide the context for the abstract language of algebra. Students learn to model with, to solve, and to graph linear and quadratic equations, systems of linear equations and linear inequalities, and setting up and solving systems of equations. A scientific calculator is required.

Course #0370 Honors Algebra I

Prerequisite: Department approval

Grade level: 9, 10

Course length: two semesters

Course credit: 1

This course is specifically designed for the mathematically talented student. This course transcends the traditional algebra course to include such topics as setting up and solving linear programming applications, functions, and an introduction to trigonometry. A scientific calculator is required.

Course #0317 Geometric Concepts

Prerequisite: Algebra I or Algebra I B

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

The course topics will concentrate on basic geometric concepts regarding segments and angles, lines, triangle relationship, congruent triangles, quadrilaterals, similarity, polygons and area, surface area and volumes, right triangles and fundamental trigonometry and circles. Additionally, Prairie State Achievement Exam review and practice will be an integrated component within the curriculum and assessment.

Course #0313 Geometry

Prerequisite: Algebra I

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course provides all the concepts studied in plane geometry, including geometric figures and their properties, congruence, similarity, basic trigonometry, proof writing and transformations. A scientific calculator is required.

Course #0371 Honors Geometry

Prerequisite: Algebra I or Honors Algebra I and department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course is specifically designed for the mathematically talented student. In addition to the current geometry curriculum, students will be introduced to topology, spherical geometry, vectors, and analytical geometry. A scientific calculator is required.

Course #0362 Algebra II

Prerequisite: Algebra I and Geometry (*Geometry may be taken concurrently)*

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course provides all the basic concepts studied in a second-year algebra course, including manipulation polynomial and exponential equations, mathematical models, use of graphing calculators, trigonometry, matrices, and linear programming. TI-84 Plus calculator is required.

Course # 0367 Intermediate Algebra II

Prerequisite: Geometric Concepts or Geometry

Grade level: 11, 12

Course length: two semesters

Course credit: 1

Students will study linear and exponential relationships, relationships and functions, systems of linear equations and inequalities, matrices, quadratic functions, variation, rational functions, and radical functions. The instruction is designed and paced to help students learn and retain concepts while connecting them to the real world. TI-84 Plus calculator is required.

Course #0373 Honors Algebra II

Prerequisite: Honors Geometry

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course is designed for mathematically talented students. This course provides all the basic concepts studied in a second-year algebra course including manipulation polynomial and exponential equations, mathematical models, use of graphing calculators, trigonometry, matrices, linear programming, conic sections, probability and statistics. TI-84 Plus calculator is required.

Course #0366 Survey of Advanced Mathematics - Seniors

Prerequisite: Intermediate Algebra II, Algebra II, or Department Approval

Grade level: 12

Course length: two semesters

Course credit: 1

This course is designed for college bound Seniors who plan to major in the liberal arts, social sciences or other fields. This course will introduce new skills on broad topics like sets, logic, number theory, functions, graphs, probability and statistics. TI-84 Plus calculator is required.

Course #0364 Pre-Calculus

Prerequisite: Algebra II

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course is designed to prepare students for advanced math courses such as Calculus and other college-level mathematics courses. Major course topics include an in-depth study of conics, system of equations, and the following functions: rational, exponential, logarithmic and trigonometric. Additionally, the topics of polar coordinates, sequences and probability will be examined. TI-84 Plus calculator is required.

Course #0374 Honors Pre-Calculus

Prerequisite: Honors Algebra II and department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course is designed to prepare students for advanced math courses such as A.P. Calculus and higher level, college math courses. Major topics included in the course are an in-depth study of conics, system of equations, and the following functions: rational, exponential, logarithmic and trigonometric. Polar coordinates, sequences and probability will be examined in addition to limits, vectors, analytical geometry and trigonometry. TI-84 Plus calculator is required.

Course #0363 Statistics and Trigonometry

Prerequisite: Pre-Calculus

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course consists of two specific areas of study. Within the statistics section of the course topics will include organizing data, measures of averages and variation, applications of probability to statistics, the binomial and normal distribution and estimating in statistics. The primary focus of the trigonometry section will be trigonometric functions, equations, graphs, identities, laws and formulas and exponential functions. TI-84 Plus calculator is required.

Course #0380 Advanced Placement Calculus AB

Prerequisite: Honors Pre-Calculus and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course covers theory of functions, limits, continuity, derivative and integral calculus and applications. The goal is to prepare students to take the Advanced Placement Calculus AB test. TI-84 Plus calculator is required.

Course #0381 Advanced Placement Statistics

Prerequisite: Honor Pre-Calculus and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course will follow the curriculum recommended by the National College Board of Education. The topics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. The goal is to prepare students to take the Advanced Placement Statistics test. TI-84 Plus calculator is required.

Course #1322 Math Workshop

Prerequisite: Department approval

Grade level: 9, 10

Course length: two semester

Course credit: 1

This course is designed for freshman and sophomore students who need to improve their basic mathematic skills. By focusing on individual deficits, students in this class will build the needed fundamental skills to be successful in Algebra I. Identified students will be assigned to this course based upon test scores and teacher recommendations. This Math course does not fulfill the Math requirements for graduation.

MUSIC

The purpose of the vocal and instrumental music classes is to develop greater knowledge, understanding and skills through ensemble performance, listening, appreciation, history, theory and rehearsal techniques. The goal is to improve the individual's music abilities while enhancing specific ensemble's development. In addition, the Music Department hopes that students will develop the musical skills and appreciation that will continue throughout their high school experiences.

Course #0619 Men's Chorus

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This is an introductory course to basic choral musicianship for male voices. Students will learn basic concepts in the fundamentals of choral performance. Students rehearse and perform choral music of various styles, cultures and historical periods in concerts throughout the year. Emphasis is placed on music reading, developing productive rehearsal habits and producing a beautiful tone. Attendance at and full participation in all after school rehearsals and performances is mandatory for all students and constitutes a portion of the overall grade. This course may be repeated for elective credit.

Course #0618 Treble Choir

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This is an introductory course to basic choral musicianship for female voices. Students will learn basic concepts in the fundamentals of choral performance. Students rehearse and perform choral music of various styles, cultures and historical periods in concerts throughout the year. Emphasis is placed on music reading, developing productive rehearsal habits and producing a beautiful tone. Attendance at and full participation in all after school rehearsals and performances is mandatory for all students and constitutes a portion of the overall grade. This course may be repeated for elective credit.

Course #0612 Mixed Chorus

Prerequisite: Treble Choir or Men's Chorus, department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This is an intermediate course in choral musicianship. Students will reinforce concepts in the fundamentals of choral performance. Students rehearse and perform choral music of various styles, cultures and historical periods in concerts throughout the year. Emphasis is placed on music reading, developing productive rehearsal habits and producing a beautiful tone. Attendance at and full participation in all after school rehearsals and performances is mandatory for all students and constitutes a portion of the overall grade. This course may be repeated for elective credit.

Course #0611 Concert Choir

Prerequisite: Treble Choir or Men's Chorus and/or Mixed Chorus, department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This is an advanced course in choral musicianship. An audition with the instructor is required. Students will reinforce concepts in the fundamentals of choral performance. Students rehearse choral music of various styles, cultures and historical periods in preparation for performance in several concerts throughout the year. Emphasis is placed on music reading, developing productive rehearsal habits and producing a beautiful tone. Attendance at and full participation in all after school rehearsals and performances is mandatory for all students and constitute a portion of the overall grade. This course may be repeated for elective credit.

Course #0670 Honors Choir

Prerequisite: Treble Choir or Men's Chorus and/or Mixed Chorus, department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This is an advanced course in choral musicianship. An audition with the instructor is required. This course meets as part of the Concert Choir class and students are responsible for the same coursework as Concert Choir. Students will be challenged with an intense study of additional work. This work includes recitals, written performance critiques, research papers, presentations, contest performances and additional ensemble participation. Attendance at and full participation in all after school rehearsals, auditions, contests and performances are mandatory for all students and constitute a portion of the overall grade. This course may be repeated for elective credit.

Course #0610 Beginning Band

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This course is designed for students who have never played a musical instrument or second year students who may need remedial work. The course introduces basic instrumental music technique including tone production, breath control, melodic and rhythmic patterns, practice habits, and experiences in performing. Requirements include daily home practice and participation in all band concerts. Students are required to provide their own instrument.

Course #0617 Symphonic Band - Percussion

Prerequisite: Department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Students in this class will develop musical skills and knowledge through a variety of musical styles. Instruction will be maximized to address issues regarding students who play percussion instruments only. Students will perform at home football and basketball games, pep rallies, concerts, marching band competitions and solo and ensemble contests. Additionally, students will be expected to participate in summer band camp, parades, and community events. Attendance at rehearsals and performances outside of the school day are required for this class and attendance does affect student grades. This course can be repeated for elective credit.

Course #0616 Symphonic Band - Winds

Prerequisite: Department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Students in this class will develop musical skills and knowledge through a variety of musical styles. Instruction will be maximized to address issues regarding students who play wind (brass and woodwind) instruments only. Students will perform at home football and basketball games, pep rallies, concerts, and marching band competitions. Additionally, students will be expected to participate in summer band camp, parades, and community events. Attendance at rehearsals and performances outside of the school day are required for this class and attendance does affect student grades. This course can be repeated for elective credit.

Course #0671 Honors Band

Prerequisite: Department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course meets as part of the Symphonic Band – Winds or Symphonic Band – Percussion class. Students will be challenged with an intense study of additional work. This work includes recitals, research papers, journals, presentations, solo and ensemble performances and lessons, and additional ensemble participation. Auditions, performances and concert attendance outside the school day will be required as well as the usual expectations of the Symphonic Band – Winds/Percussion class. This course can be repeated for elective credit.

Course #0614 Flag Corps

Prerequisite: Audition

Grade level: 9, 10, 11, 12

Course length: one quarter

Course credit: .25

This course is for students who are chosen from auditions held in the spring of the previous school year. These students work on developing appreciation and performance skills through the use of flag equipment. During the first quarter, the Symphonic Band combines with the Flag Corps to make up the Marching Band. Attendance at summer band camp, Monday and Tuesday night rehearsals and all performances for home football games and contests are required. This class can be repeated for elective credit. Flag Corps members may also participate in Winter Flags through auditions and the recommendation of the band director.

PHYSICAL EDUCATION

The physical education staff believes that active student participation is the foundation upon which our program is based. Physical education is committed to the development of physical fitness and life-long activity. This curriculum will provide opportunities for individuals to develop healthy lifestyles, enabling them to learn recreational activities that will enhance those lifestyles. Those students who feel they are eligible for a physical education waiver should see their counselor.

The following courses are required for graduation: P. E. (7 semesters), Health (1 semester).

Course #0511 Physical Education 9

Prerequisite: None

Grade level: 9

Course length: one semester

Course credit: .5

Students will be expected to develop an understanding of the principles of exercise, diet, hygiene, and recreational activities as they relate to healthy life-styles. Emphasis will be placed on participation in learning the skills of recreational activities while developing a sense of respect for individuals through cooperation and competition.

Course #0517 Health

Prerequisite: None

Grade level: 9

Course length: one semester

Course credit: .5

Students taking one semester of Health must successfully complete this coursework which covers: diet, nutrition, hygiene, sexuality, human reproduction, human anatomy and the affects of drugs on the human body.

Course #0512 Physical Education 10

Prerequisite: None

Grade level: 10

Course length: two semesters

Course credit: 1

Students will be expected to develop an understanding of the principles of exercise, diet, hygiene, and recreational activities as they relate to healthy life-styles. Emphasis will be placed on participation in learning the skills of recreational activities while developing a sense of respect for individuals through cooperation and competition.

Course #0513 Physical Education 11 & Physical Education 12

Prerequisite: None

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course is designed to build upon the skills developed in P.E. 9 and 10 classes, centering on physical fitness and life-long activities. Additionally, students will be expected to participate in activities designed to develop the individual's awareness of healthy life-styles.

Course #0515 Integrated Physical Education

Prerequisite: Students who need modification or adaptations for a special need

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Integrated physical education is designed for students with developmental disabilities. Teacher recommended junior and senior regular education students act as peer leaders for students enrolled in the class. The class will consist of units in the basic physical education curriculum. Activities and rules will be modified so all students can experience success. This course may be repeated.

Course #0518 Advanced Health

Prerequisite: "C" or better in previous two semesters of physical education

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course will provide an academic setting for students to be trained in cardiopulmonary resuscitation (CPR), first aid procedures and the use of an automated external defibrillator (AED). It will also allow our students to receive CPR certification from the American Red Cross. Additionally, Advanced Health will incorporate integral aspects of the PE 11/12 curriculum.

Course #0521 Advanced Strength and Conditioning

Prerequisite: Department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

Advanced Strength and Conditioning will teach students to identify and understand the benefits of weight training and how it affects the body. Students will also learn intermediate and advanced level training routines for complete muscular development, endurance, and power. Students will be expected to design and develop a balanced weight training program that not only expands on skills learned in lower level physical education courses but also meets their current needs. This course may be repeated.

Course #0519 Aerobics

Prerequisite: "C" or better in previous two semesters of physical education

Grade level: 11, 12

Course length: one semesters

Course credit: .5

This course will provide students the opportunity to have rigorous daily cardiovascular workouts. Its content (step, stability balls, weights, and bands) will enable the pupils to learn and feel the benefits of working their upper and lower bodies. This course may be repeated.

Course #0520 Individual and Team Sports

Prerequisite: "C" or better in previous two semesters of physical education

Grade level: 11, 12

Course length: one semesters

Course credit: .5

This course will provide an opportunity for students to learn about and participate in both recreational and competitive sports. Its content will act as a springboard to teach pupils how to maintain a healthy body. Additionally, the course will help develop leadership skills and individual responsibility through team building activities, officiating opportunities, and chances to coach. This course may be repeated.

Course #0514 Personal Fitness and Nutrition

Prerequisite: Department approval

Grade level: 11, 12

Course length: two semester

Course credit: 1

Students will be educated in how personal wellness must include the development of regular exercise programs, a nutritional care plan, and a weight control assessment. This course will provide students the opportunity to develop, chart, and regulate their own personalized nutrition and exercise programs through the development of goals and accurate health assessments. Evaluation will be on individual goal assessment and achievement. This course may be repeated.

Course #0522 Spin

Prerequisite: C or better in previous two semesters of physical education

Grade level: 11, 12

Course length: one semesters

Course credit: .5

Spin will provide students with the opportunity to have rigorous daily cardiovascular/strength training workouts by utilizing spin bikes and other fitness activities. Its curriculum will enable pupils to learn and feel the health enhancing benefits of working their upper and lower bodies and also gain knowledge and experience in order to maintain a healthy lifestyle. This course may be repeated.

Course #1493 Driver's Education Classroom

Prerequisite: Must pass eight courses the previous two semesters

Grade level: 10, 11, 12

Course length: nine weeks

Course credit: 0

Students will be expected to develop an understanding of the rules of the road, defensive driving techniques as well as how to properly interact with other drivers. Students will also develop an understanding of car management, maintenance and other safety issues. Taking this course is a state and school requirement.

Course #1494 Driver's Education Behind the Wheel

Prerequisite: Pass the classroom portion and a valid learner's permit.

Grade level: 10, 11, 12

Course length: nine weeks

Course credit: 0

Students will be expected to demonstrate proficiency in the defensive driving techniques. Students will be exposed to various driving, parking and safety maneuvers. Students demonstrating this proficiency will be eligible to apply for an Illinois driver's license. This is a pass/fail course. No grade is administered. **A fee is required.**

SCIENCE

The Science Department believes that students should be scientifically literate as they prepare to enter college or the workplace. The department also believes that students should have the ability to reason scientifically as it provides a conceptual framework for understanding natural phenomena and their cause and effects.

Course #0411 Natural Science

Prerequisite: None

Grade level: 9

Course length: two semesters

Course credit: 1

Natural Science is a lab science course focused on the processes of scientific inquiry and the fundamental concepts of the biological, physical, and earth/space sciences. The goal of natural science is to provide the student with hands-on, interactive opportunities that form a foundation of scientific knowledge, understanding, and skills necessary to succeed in today's technological society.

Course #0412 Earth Science

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Earth science focuses on the planet Earth and its relationship to its inhabitants. This laboratory course includes studies in the following areas: minerals and rocks, cartography, seismology, volcanology, geomorphology, astronomy, paleontology, meteorology, climatology and oceanography.

Course #0474 Honors Earth Science

Prerequisite: Department approval

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

This accelerated course is designed for the college bound student or those that have a high interest in the geological sciences. The course will be an in-depth study of many of the same subjects in Earth Science. Emphasis will be on learning and using many current geologic concepts for problem solving and developing critical thinking skills.

Course #0413 Biology

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Biology is the study of life. Students in this course will achieve a greater understanding of the natural processes that drive living organisms. Topics covered in this course include, but are not limited to: scientific inquiry, ecology, biochemistry, cell biology, genetics, evolution, microorganisms, plants, animals and human biology. This laboratory-based course emphasizes the importance of critical thinking, scientific inquiry, experimental design and problem-solving.

Course #0470 Honors Biology

Prerequisite: Department approval

Grade level: 9, 10, 11

Course length: two semesters

Course credit: 1

This accelerated course is designed for scientifically talented students. This course includes the following topics: cellular processes, life functions, a survey of organisms (plants, animals, bacteria, etc.), and a survey of the human body systems and ecology. This course will prepare students for Advanced Placement Biology and Honors Human Anatomy and Physiology.

Course #0414 Chemistry

Prerequisite: Biology, Honors Biology, Earth Science, Honors Earth Science and Algebra

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

Chemistry is a laboratory course with both a theoretical and problem solving emphasis involving both the qualitative and quantitative study of matter. Topics and activities include metric measuring, determining chemical vs. physical changes, chemical formula writing and balancing equations, atomic structure, atomic theory and the periodic table, chemical bonding, energy and chemical changes, chemical equilibrium, acids and bases, and electrochemistry.

Course #0471 Honors Chemistry

Prerequisite: Biology or Earth Science, Algebra and department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This is an accelerated course with topics similar to Chemistry, but covered with more depth and greater emphasis on mathematical concepts and their applications to these topics.

Course #0416 Astronomy

Prerequisite: Algebra and Geometry

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course will involve students in the study of the solar system and universe. Areas of study include motions, properties, and evolution of the sun, planets, stars, galaxies and universe; the properties of electromagnetic radiation; and astronomical instruments.

Course #0417 Environmental Science

Prerequisite: 2 years of a lab science

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course is an overview of the structure and function of biological, hydrological and atmospheric systems. Topics of study include soil and water analysis, biodiversity, pollution, renewable and nonrenewable resources as well as the dynamic between the ocean and atmosphere. Human impact on these systems will be analyzed.

Course #0415 Physics

Prerequisite: Biology or Earth Science, Algebra and Geometry

(Algebra II is recommended)

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course is designed to investigate matter, energy and the relation between matter and energy. Topics include mechanics, heat, waves, electricity and magnetism, and nuclear physics. Laboratory work emphasizes data collection and analysis in scientific experiments.

Course #0472 Honors Physics

Prerequisite: Biology, Honors Biology, Earth Science or Honors Earth Science, Algebra,

Geometry, and department approval - (Algebra II is recommended)

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course is designed to investigate matter, energy and the relation between matter and energy with a strong emphasis on theory.

Course #0473 Honors Human Anatomy & Physiology

Prerequisite: Biology and department approval (Chemistry is recommended)

Grade level: 11, 12

Course length: two semesters

Course credit: 1

Students will learn about both normal and abnormal human anatomy (structure) and physiology (function). The course includes a study of cells, tissues, organs, organ systems, and the human body as a functioning organism.

Course #0480 Advanced Placement Biology

Prerequisite: Biology, Chemistry and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course is designed for students who wish to pursue careers in life science, medicine, agriculture and a range of other disciplines. This course is taught at a significantly higher level than regular biology and college credit may be earned by taking the College Board exam. The major areas of concentration are the cellular basis of life, principles of inheritance, principles of evolution, plant structure and function, animal structure and function, and ecology and behavior. This class will meet for one and a half class periods per day.

Course #0481 Advanced Placement Chemistry

Prerequisite: Biology, Chemistry and department approval

Grade level: 11, 12

Course length: two semesters

Course credit: 1

The AP Chemistry course is designed to be the equivalent of the general college chemistry course. Students in this course will attain a deep understanding of fundamentals and a competence in dealing with chemical problems. The topics covered include an emphasis on chemical calculations and the mathematical formulation of chemistry principles. This course is taught at a significantly higher level than chemistry and college credit may be earned by taking the College Board exam. This class will meet for one and a half class periods per day.

SOCIAL SCIENCE

In order for students to participate effectively in a free society and to exercise positive political and social behaviors, they must be able to focus on the complex, social, economic, and political changes in our world. Social science courses provide students with an understanding of society and human values. Furthermore, these courses prepare students for citizenship and the representative processes in a democracy while providing the basics for understanding the complexity of the world community.

The following courses are required for graduation: Social Studies Applications, U.S. History, Government and Economics.

Course #0211 Social Studies Applications

Prerequisite: None

Grade level: 9

Course length: one semester

Course credit: .5

Students will study basic concepts in geography, sociology and psychology. Using this foundation, students will analyze contemporary world issues such as genocide and ethnic cleansing, world terrorism and student selected issues. A main research project will be required.

Course #0214 U. S. History

Prerequisite: None

Grade level: 10

Course length: two semesters

Course credit: 1

This course takes a thematic approach to studying the history of the United States. Students will begin by delving into the topic of slavery and their studies will conclude with the war on terror and U.S. involvement in the Middle East. Several projects will be required.

Course #0270 Honors U.S. History

Prerequisite: Department approval

Grade level: 10

Course length: two semesters

Course credit: 1

This course takes a sophisticated, thematic approach to United States history, allowing students to explore the greater meanings and influences behind the facts and figures of our historical past. Intensive reading, writing, and speaking activities supplement the traditional curriculum. Critical thinking and writing will be emphasized along with a more rigorous study of historical topics. Students who enroll in this course must possess strong reading and writing skills. This course fulfills the U.S. History requirement.

Course #0219 Economics

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course will provide students with an understanding of the production, distribution and consumption of goods and services and their management. Students will focus on demand and supply, markets, labor management, monetary policy, investment and personal finances. This course is required for graduation.

Course #0272 Honors Economics

Prerequisite: Department approval

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course will expose students to a wider range of economic ideas, concepts, problems and solutions at a faster pace and a more advanced level than Economics. Honors Economics will build upon the Economics course by adding many additional curricular items such as globalization, International Monetary Fund, World Trade Organization and planning for retirement.

Course #0215 Government

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course provides students with an in-depth study of issues and processes behind American government. Topics such as democracy, voting, political parties, and elections are emphasized. Students take an active approach to their citizenship by participating in reality based political simulations, projects, and discussions. Local, state and federal governments and constitutions are also explored. This course meets the requirements for state and federal constitution tests.

Course #0271 Honors Government

Prerequisite: Department approval

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course adds depth and breadth to the government curriculum. Enrolled students are expected to have strong reading and writing skills and be able to use them when studying topics ranging from democracy to political parties to the electoral process. This course fulfills the government requirement and the requirements for state and federal constitution tests.

Course #0212 World Geography

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course is designed to provide students with a survey of the major geographical regions of the world. Students will focus on the world's physical geography and how it has influenced a region's historical, economic, and demographic development. Several projects will be required.

Course #0224 World History I

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course will cover the history of human civilization from the Prehistoric times to the start of the Renaissance Period. Students will focus on the development of mankind from before recorded history, through the classical civilizations of the Ancient World and into the Dark Ages. The time period covered will be Prehistoric to the 1400s.

Course #0225 World History II

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: one semester

Course credit: .5

This course will cover the history of human civilization from the Renaissance Period to contemporary times. Students will focus on the emergence of nations while exploring the significant cultural, technological and historical development that helped shape those nations and their civilizations. The time period covered will be the 1400s to the present.

Course #0280 Advanced Placement U.S. History

Prerequisite: Department approval

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course will follow the curriculum recommended by the National College Board of Education. The goal of this course is to prepare students to take the Advanced Placement United States History exam. This course is taught at a significantly higher level than U.S. History and Honors U.S. History. After successful completion of this course students are not permitted to enroll in either U.S. History or Honors U.S. history.

Course #0281 Advanced Placement Psychology

Prerequisite: Department approval

Grade level: 11, 12

Course length: two semester

Course credit: 1

This course will follow the curriculum recommended by the National College Board of Education. Students will learn about the field of psychology through in-depth study, discussion, and hands-on activities. They will also learn the methods used by psychologists to study the ways humans act and think. This course is taught at a significantly higher level than most Social Science courses and students electing to take it should be strong readers, self motivated, and expect academic rigor. Additionally, students will be prepared for the Advanced Placement exam and should expect to take it in May.

Course #0282 Advanced Placement World History

Prerequisite: Department Approval

Grade level: 11, 12

Course length: two semester

Course credit: 1

This course will follow the curriculum recommended by the National College Board of Education. The goals of this course are to develop a greater understanding of the advancement of human society and prepare students to take the Advanced Placement World History exam in May. AP World is taught at a significantly higher level than most Social Science courses and students electing to take it should be strong readers and writers, self motivated, and expect academic rigor.

Course #0216 Global Insights

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course gives students the opportunity to study and understand contemporary global issues. Students will discuss current events, examine contentious issues and learn the path the global community is on and where this may lead.

Course #0217 Psychology

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course provides a basic understanding of psychology as a social science. Students will learn the various theories of child development, memory, behavior, personality, stress and adjustment and psychological testing. Students will gain an appreciation for such psychologists as Freud, Skinner, Maslow, Allport, Jung and others. Also, students will apply their knowledge of psychological ideas through experimentation and interaction with each other.

Course #0218 Sociology

Prerequisite: None

Grade level: 11, 12

Course length: one semester

Course credit: .5

This course focuses on the study of cultures and how people interact with one another within groups and within social institutions. Students will study the organization of societies, sociological procedures, vital human issues, social climate, and social problems.

TECHNOLOGY EDUCATION

The Technology Education Department is committed to providing meaningful technical courses preparing students with entry-level skills for the workplace. Students will gain a firm foundation in present and future technologies, which will enable them to pursue postsecondary education and continue the lifelong learning process.

Course #0811 Introduction to Technology

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: two semesters

Course credit: 1

Introduction to Technology exposes students to a various aspects technology which include: woodworking, small engine operation, digital electronics, pre-engineering, sustainable/renewable energy, and home maintenance. Each area of exploration will be studied for approximately six weeks.

Course #0818 Woodworking Technology I

Prerequisite: None

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

As an introductory woodworking class students will be exposed to the fundamentals of fine woodworking in modern society. Areas of design, planning, safety, and finishing will be introduced through problem solving, hands on experiences, and teamwork. Students in this class will be able to use power tools, hand tools, and woodworking machinery in a safe manner.

Course #0861 Woodworking Technology II

Prerequisite: Woodworking Technology I

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

Students who continue in woodworking will take this class to further their knowledge of the woodworking and engineering industry. Areas explored in this class are machineries' specific use as well as unique woodworking techniques. As students progress they will start to be responsible for certain designing and planning components of their projects. Safety operations are continually stressed while working in the woodworking environment.

Course #0813 Architectural CAD I

Prerequisite: None

Grade level: 10, 11, 12

Course length: two semesters

Course credit: 1

This course will require students to create a full set of architectural prints using Autodesk's AutoCAD. The students will design a house according to building codes and standards. Students will become knowledgeable of the duties and responsibilities of an architect as well as the process required to become a licensed architect.

Course #0814 Mechanical CAD I

Prerequisite: None

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This course will give the student a working knowledge of mechanical CAD drafting. Areas to be studied include 2D and 3D construction; isometric and oblique views; dimensioning and tolerancing; detail and assembly drawings; and setup and use of plotting equipment and software.

Course #0815 Mechanical CAD II

Prerequisite: Mechanical CAD I

Grade level: 10, 11, 12

Course length: one semester

Course credit: .5

This is an advanced course in mechanical CAD drafting for students preparing for a career in an engineering related field. Emphasis is on assembly and welding drawings, technical illustrating, 3D construction, modeling, and rendering. Autodesk's Inventor software is used to produce drawings in mechanical CDD II.

Course #0862 Advanced Woodworking Technology

Prerequisite: Woodworking Technology II

Grade Level: 11, 12

Course length: two semesters

Course credit: 1

This full year course is designed for those students who have an enthusiasm of woodworking. Students in this class will start to develop an independent reliability on project work. The first semester, students will be given a project with certain components missing which they will be responsible for filling. Second semester, students will have to develop their own project by creating all aspects on their own. Design, planning, and safety are reinforced in this class as well.

Course #0820 Architectural CAD II

Prerequisite: Architectural CAD I

Grade level: 11, 12

Course length: two semesters

Course credit: 1

This course will allow students to concentrate on architectural design concepts and their application in the residential architecture industry. Students will use Autodesk's AutoCAD Architecture software to complete a full set of working drawings for a residential structure. Students will be able to produce scale and animated three-dimensional models; examine and analyze the application of presentation drawings and models utilities for client proposals; explore architectural techniques and professional opportunities.

NovaNET

NovaNET is a comprehensive, non-traditional, computer-based instructional program that serves as an alternative method of instruction for students who have achieved limited success academically. Participation in the program requires approval from the guidance department and administration. Each NovaNET course varies in length and level of difficulty.

Grade level: 9, 10, 11, 12

The following courses are available in the NovaNET program:

ENGLISH

- English 9
- English 10
- English 11
- English 12

MATHEMATICS

- Algebra I A
- Algebra I B
- Algebra I
- Algebra II
- Geometry

SCIENCE

- Biology
- Physical Science Chemistry
- Physical Science Physics
- Earth Science
- Environmental Science

SOCIAL SCIENCE

- Economics
- Government
- U.S. History
- World History

PHYSICAL EDUCATION

- Health and Fitness

Lake County High Schools Technology Campus

Students must meet the following guidelines in order to be considered for enrollment into a Technology Campus program:

History of good attendance *Minimum of 10.5 credits* *Good disciplinary record*

Grade level: 11, 12 *Course length: two semesters* *Course credit: 3.0*

Students travel by bus daily to the Technology Campus in Grayslake for training in the areas of Professional and Service Occupations, Transportation, Communications and Manufacturing/Industrial. The students use state-of-the-art equipment and technologies recognized in industry today. This program provides career exploration and connects educational activities with the skills necessary for employment and advanced training. The programs available include the following courses of study:

PLEASE NOTE: Most programs require additional fees which must be paid by the student. These fees are subject to change.

COMMUNICATIONS PROGRAMS

- 1592 Game / C++ (AP Computer Science credit available) – **Math Prerequisite – Algebra and Geometry**
- 1593 Computer Support Services (\$45 fee)
- 1556 Graphic/Web Design (\$50 fee)
- 1578 Photographic Design (\$100 fee)

HUMAN SERVICES PROGRAM

- 1581 Certified Nurse Assisting (CNA) – **Seniors only - Biology Prerequisite** (\$35 fee)
- 1580 Cosmetology (4 credits - \$436 fee)
Cosmetology students may be expected to attend Saturday classes and provide their own transportation.
- 1596 Criminal Justice (\$60 fee)
- 1577 Culinary Arts (\$169.80 fee)
- 1576 Early Childhood Education (year 1 - \$30 fee; year 2 - \$20 fee)
- 1595 Emergency Medical Services (\$53 fee)
- 1594 Fire Fighting (\$55 fee)
- 1575 Medical Assisting I – **Biology Prerequisite** (\$55 fee)

MANUFACTURING/INDUSTRIAL PROGRAMS

- 1553 Building Trades (must purchase tools and lock fee of \$8)
- 1561 Welding-Fabrication (\$125 fee)

TRANSPORTATION PROGRAMS

- 1552 Automotive Service (\$73 / \$80 / \$82 - incl. fee, safety glasses, lock, coveralls)
- 1551 Automotive Collision Repair (1st year student - \$108 fee / 2nd year student - \$30)