

GENERAL INFORMATION

GRADUATION REQUIREMENTS

A graduate from Newport Central Catholic High School must have the following credits:

Religion	6 Credits
English	4 Credits
Social Studies	3 Credits
Mathematics	3 ½ Credits
Science	3 Credits
Fine Arts	1 Credit
Health	½ Credit
Physical Education	½ Credit
Electives	<u>7 ½ Credits</u>

GENERAL COURSE REQUIREMENT

To successfully achieve the objectives of each course a student must maintain a passing grade.

PRE-COLLEGE CURRICULUM

The Kentucky Council on Higher Education has specified a pre-college curriculum commonly known as the "PCC." This is a minimum set of courses required of students applying for admission to a public Kentucky university or college. The requirements of the PCC are minimum requirements. Each college or university can make requirements beyond those listed in the pre-college curriculum. Newport Central Catholic students who successfully meet the graduation requirements of NCC will usually meet the pre-college curriculum. However, students who are seriously considering college are advised to include at least 2 years of foreign language study, an additional one or two laboratory science courses, a fine arts course, and at least one trimester of computer education. College bound students should have familiarity and experience with the computer's potential beyond entertainment. The guidance department can provide students and parents with copies of the PCC.

ADVANCED PLACEMENT

The Advanced Placement Program is a cooperative educational endeavor between high schools and colleges. Interested and able students are given the opportunity for college-level learning and for demonstrating their accomplishments through the national Advanced Placement examinations given each year in May.

On a student's transcript, the Advanced Placement courses taken are listed as such. They indicate that a student is doing rigorous, college level work and is prepared for college entrance in these subjects. Admissions offices are obviously pleased to see candidates who are doing advanced work. Moreover, once in college, students may be eligible for advanced placement and/or college credit based on their score on the Advanced Placement Exam. A committee of the College Board prepares and reads the Advanced Placement Exams. Each exam is approximately 3 hours in length and is administered at Newport Central Catholic High School. There is a fee for taking these exams.

SCHEDULE CHANGES

Ample opportunity is given to all concerned to make valid recommendations and choices in the scope of the curriculum, after which the entire school's resources are committed for the school year. Since students, parents, teachers, and counselors are involved in the scheduling process, requests for schedule changes (dropping and adding courses) during the year will generally be denied.

All schedule changes must be cleared with the guidance counselors. They will assume the responsibility for informing all students and faculty members to be affected by the changes made. A \$10.00 fee may be charged for all schedule changes.

CLASS RANK AND GPA CALCULATION

NCC students receive number grades for the trimester marks, trimester exam marks, and final trimester average marks. This table shows the conversion of a number grade to a quality point value.

95-100%	= 4.00 points
93-94%	= 3.90 points
91-92%	= 3.50 points
87-90%	= 3.00 points
85-86%	= 2.90 points
83-84%	= 2.50 points
79-82%	= 2.00 points
77-78%	= 1.90 points
75-76%	= 1.50 points
72-74%	= 1.00 points
70-71%	= 0.90 points
60-69%	= 0.00 points

Most courses at NCC receive the quality points listed above. This information will determine a non-weighted number. This non-weighted number is used to compute the grade point average (GPA).

Some courses at NCC move at an accelerated pace and have stronger course expectations. For these courses, the final trimester average is converted to the corresponding numerical mark of the above table, and then this number is multiplied by 1.5. For example, a 91% in an honors or accelerated class is worth 3.50×1.5 for a value of 5.25 quality points.

Some courses at NCC are designated as Advanced Placement courses (AP). These courses are comparable to a first year college course. These courses align themselves with a set of standards and methods used in college, and students who take these courses are expected to take the national exams in these subjects. College professors and high school AP instructors design these exams. The Educational Testing Service located in Princeton, N.J, administers the tests. For these courses, the final trimester average is converted to the corresponding numerical mark of the above table, and then this number is multiplied by 2.0. Thus, a 91% in an AP course is worth 3.50×2.0 for a quality point value of 7.00 quality points.

A student's rank in class and honor roll, as well as eligibility for the National Honor Society, is based on the quality point totals that he/she accumulates at the end of each marking period. These quality point totals are used to compute the weighted GPA.

Students and parents can contact the counselors for further information regarding accelerated or AP courses.

ACADEMIC ENHANCEMENT 4

Grade: 12

Elective

3 Trimesters

1½ credits

Objectives:

- ❖ To determine and engage in appropriate accommodations for individual students, to aid them in their academic studies.
- ❖ To reinforce classroom instruction in small group or one on one situations, providing students the opportunity to move at a realistic pace and ask questions.
- ❖ To provide students with study skills, organizational skills, and life skills that will assist them for years to come.
- ❖ To increase communication between the teachers and parents.
- ❖ To promote student success and confidence.

BUSINESS

Our free enterprise system demands that each student is educated in its structure and is armed with sellable skills that will enable him/her to become a part of the system. The goal of the Business Department is to help students acquire business literacy and develop business skills so that they may make better economic decisions in business and in their personal lives. This goal is attained by giving students training and preparation in the acquisition of basic knowledge and skills in a variety of areas of business in order to gain success on the job at the entry level, as well as for their own personal use in continuing their education.

ACCOUNTING 1

Grades 11 - 12

Elective

2 Trimesters

1 Credit

Objectives:

- ❖ To know terminology related to accounting careers and different businesses.
- ❖ To understand entry-level positions, advancement-level positions, educational requirements, and career opportunities in accounting.
- ❖ To understand basic accounting concepts for various businesses.
- ❖ To understand accounting principles and practices for a service business organized as a sole proprietorship, for a merchandising business organized as a partnership, and for a merchandising business organized as a corporation.
- ❖ To demonstrate the ability to correctly fill out the appropriate business form.

ACCOUNTING 2

Grade 12

Elective

1 Trimester

½ Credit

Prerequisite:

"B" average in Accounting 1 or recommendation

Objectives:

- ❖ To demonstrate the ability to correctly enter data in an accounting software system.
- ❖ To correctly identify and complete a business's financial forms and reports in an accounting software system.
- ❖ To complete the business accounting cycle using an accounting software system.

ECONOMICS

Grades 11-12

Elective/Required

1 trimester

½ credit

Note:

This course may be used to fulfill ½ credit of the social studies requirement for graduation.

Objectives:

- ❖ To understand the fundamental concepts of both micro, macro, and international economics
- ❖ To understand the meaning of economics
- ❖ To examine the concepts of supply and demand
- ❖ To understand the process of financing a business, and free enterprise
- ❖ To understand consumers, savers, and investors, and their role in the economy

MARKETING, SALES, AND ADVERTISING

Grades 10 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To know marketing consists of more than advertising and selling.
- ❖ To know the concepts of product and service planning and marketing information management.
- ❖ To understand the various mediums of advertising, financing, and distribution as they are applied through study, group projects, videos, guest speakers, and actual product commercials.

PERSONAL FINANCE

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To apply economic concepts in the development of personal goals, career planning, decision making, resource management, and financial planning.
- ❖ To apply concepts through study and problem solving.
- ❖ To study the following concepts: career decision-making (choosing and planning a career), wages (understanding withholdings, insurance, salaries, hourly rates), taxes (income tax preparation, completing income tax returns), financial responsibility (savings and checking accounts).

PERSONAL INVESTING

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To apply economic concepts in the development of financial security and credit management.
- ❖ To apply concepts through study and problem solving.
- ❖ To study the following concepts: consumer investments (stocks, bonds, mutual funds, real estate), financial responsibility (compounding interest, retirement), and credit in America (credit procedures, the cost of credit).

ENGLISH

The English Department believes that upon completion of the twelfth grade each student should have acquired the skills necessary for effective communication. The department is committed to providing both the progressive and remedial experiences which will enable each student to develop four language skills: reading comprehension, writing, speaking, and listening. In addition, the department works to help each student grow in his/her appreciation of quality literature. Vocabulary enrichment and grammar are included as an integral part of the course content. Allowing for individual differences in students, the department strives to tailor methodologies in such a way as to challenge each student to reach his/her potential.

ENGLISH 1

Grade 9

Required

2 Trimesters

1 Credit

Objectives:

- ❖ To broaden one's thinking through appreciation of general literature.
- ❖ To initiate the writing process through prewriting, writing, and revising.
- ❖ To emphasize outlining, paragraph development, and the five paragraph essay.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To strengthen grammar usage and mechanics.

ENGLISH 1 HONORS

Grade 9

Required

2 Trimesters

1 Credit

Prerequisite:

80 or higher on the reading assessment of the HSPT

Objectives:

- ❖ To broaden one's thinking through appreciation of general literature.
- ❖ To initiate the writing process through prewriting, writing, and revising essays, from the rudiments necessary for reading a prompt carefully, to fixing flawed essays.
- ❖ To emphasize outlining, paragraph development, and the five paragraph essay.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To strengthen already high achievement in grammar usage and mechanics.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

INSTRUCTIONAL ENGLISH

Grade 9

Elective

2 Trimesters

1 Credit

Prerequisite:

25 or below on reading assessment of HSPT.

Note: Students spend one trimester in Instructional English and one trimester in English 1.

Objectives:

- ❖ To review techniques for reading and comprehending a variety of reading materials.
- ❖ To emphasize comprehension skills.
- ❖ To improve writing by emphasizing topic sentences and paragraph development.
- ❖ To improve spelling and vocabulary.
- ❖ To review basic grammar skills.

ENGLISH 2

Grade 10

Required

2 Trimesters

1 Credit

Prerequisite:

English 1

Objectives:

- ❖ To broaden one's thinking through appreciation of world literature.
- ❖ To strengthen writing techniques using the writing process.
- ❖ To develop and write five paragraph essays.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To strengthen weak areas of grammar usage, mechanics, and spelling.

ENGLISH 2 HONORS

Grade 10

Required

2 Trimesters

1 Credit

Prerequisite:

85% average in English 1 Honors, 93% average in English 1, or teacher recommendation

Objectives:

- ❖ To broaden one's thinking through appreciation of world literature.
- ❖ To strengthen writing techniques using the writing process.
- ❖ To develop and write five paragraph essays.
- ❖ To develop and write personal narratives.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To strengthen weak areas of grammar usage, mechanics, and spelling.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ENGLISH 3

Grade 11

Required

2 Trimesters

1 Credit

Prerequisite:

English 2

Objectives:

- ❖ To broaden one's thinking through appreciation of the American literary tradition.
- ❖ To review the writing process and to strengthen writing techniques through various writing assignments including the five paragraph essay.
- ❖ To develop the skills necessary to write an effective thesis statement, bibliography, and outline.
- ❖ To sharpen one's ability to critically analyze the spoken and written word.
- ❖ To learn and apply proper techniques in writing a research paper.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To review areas of grammar usage, mechanics, and spelling.

ENGLISH 3 HONORS

Grade 11

Required

2 Trimesters

1 Credit

Prerequisite:

85% average in English 2 Honors, 93% average in English 2, or teacher recommendation

Objectives:

- ❖ To broaden one's thinking through appreciation of the American literary tradition.
- ❖ To review the writing process and to strengthen writing techniques through various writing assignments including the five paragraph essay.
- ❖ To sharpen one's ability to critically analyze the spoken and written word.
- ❖ To learn and apply proper techniques in writing a research paper.
- ❖ To develop a practical knowledge of new vocabulary.
- ❖ To review areas of grammar usage, mechanics, and spelling.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general English class.

ENGLISH 4

Grade 12

Required
English 3

2 Trimesters

1 Credit

Prerequisite:

Objectives:

- ❖ To broaden one's thinking through appreciation and analysis of British literature.
- ❖ To perfect the use of the writing process specifically the elements needed for a research paper.
- ❖ To sharpen one's writing ability through various forms of formal and informal writing including the five paragraph essay.
- ❖ To sharpen one's ability to critically analyze the spoken and written word through the genres of poetry, drama, fiction, and non-fiction.
- ❖ To develop and enrich vocabulary.
- ❖ To review areas of grammar usage, mechanics, and spelling through examination of student writings.

ADVANCED PLACEMENT ENGLISH

Grade 12

Elective

3 Trimesters

1½ Credits

Prerequisites: 85% average in English 3 Honors, 93% average in English 3, or teacher recommendation.
Motivation and willingness to do the extraordinary amount of work involved in the class.

Note: The Advanced Placement Literature content will be taught in the fall and winter trimesters.
Spring trimester will focus on preparing for the Advanced Placement English exam.

Objectives:

- ❖ To identify students who, having attained the reading and writing skills generally expected in introductory college courses in literature and composition, are ready for advanced, more specialized English courses when they arrive in college.
- ❖ To become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone.
- ❖ To complete writing assignments that focus on critical analysis.
- ❖ To develop critical standards for the independent appreciation of literature.
- ❖ To increase the students' vocabulary for better shades of meaning.

Additional requirements:

- ❖ To read an assigned novel(s) over the summer.
- ❖ To complete assignments, readings, and projects in the specified time period.

AFRICAN AMERICAN LITERATURE

Grades 9 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To survey the principal contributions to the American vernacular tradition, such as spirituals, gospel, the blues, secular rhymes and songs, ballads, work songs, songs of social change, jazz, rhythm and blues, hip hop, sermons, and folktales, as made by Black writers.
- ❖ To survey the principal contributions to the American literary tradition, as made by Black writers, during the following periods:
 - The Literature of Slavery and Freedom (1746-1865)
 - Literature of the Reconstruction to the New Negro Renaissance (1865-1919)
 - Harlem Renaissance (1919-1940)
 - Realism, Naturalism, and Modernism (1940-1960)
 - The Black Arts Era (1960-1975)
 - Literature since 1975
- ❖ To gain a better understanding of the contemporary African American experience, through exploration of voices from the past.
- ❖ To, in the words of Princeton University professor Albert J. Raboteau, speak "to the deeper meaning of the African-American presence in this nation..."

CHRISTIAN LITERATURE

Grades 9 – 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To encourage students to read by assigning Christian fiction and non-fiction of interest to young adults.
- ❖ To explore modern issues through both classic and contemporary Christian fiction.
- ❖ To read a variety of songs, prayers, short stories, poems, and novels that deal with modern Christian ideas.
- ❖ To evaluate how Christian literature has impacted other forms of media such as movies, songs, the news, etc.

CREATIVE WRITING

Grades 9 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To focus on using imagery (the 5 senses).
- ❖ To review the revision process.
- ❖ To review writing dialogue.
- ❖ To discuss the use of diction, dialogue, grammar, and format in creative writing.
- ❖ To responsibly use real life situations to prompt creative writing.
- ❖ To learn to find inspiration in everything.
- ❖ To encourage students to orally publish their work.

INTRODUCTION TO FILM

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To study the history of film.
- ❖ To study the different jobs in the film industry: gaffer, best boy, grip, key grip, etc.
- ❖ To study the different aspects of film: lighting, music, cinematography, sound, narration, etc.
- ❖ To view, learn, and analyze the different film genres.

MYTHOLOGY AND GREEK LITERATURE

Grades 9 - 10

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To define a myth.
- ❖ To examine the reasons why myths developed.
- ❖ To read and study Greek, Roman, Norse, and American myths.

SHAKESPEARE

Grades 11-12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To read, discuss, and analyze Shakespearean comedies.
- ❖ To study William Shakespeare's life and its impact on his writings.
- ❖ To better understand how to read Elizabethan verse.
- ❖ To analyze various literary elements present in Shakespeare's works.

SHERLOCK HOLMES MYSTERIES

Grades 9 - 12

Elective

1 Trimester

1/2 Credit

Objectives:

- ❖ To focus on the life of author Sir Arthur Conan Doyle and his experiences and influences.
- ❖ To read selected short stories and novels.
- ❖ To identify key characters and their personalities.
- ❖ To identify what constitutes a good short story.
- ❖ To identify what constitutes a good detective story.
- ❖ To identify the importance of characterization and setting in a story.

SPEECH

Grades 10 - 12

Elective

1 Trimester

1/2 Credit

Objectives:

- ❖ To develop self-confidence in public speaking.
- ❖ To develop poise in public speaking.
- ❖ To write and deliver the three main types of speeches: narrative, expository, and persuasive.

FINE ARTS

As a process, the fine arts are the integration of mind, body, and soul functioning simultaneously to create. If one of these components in the creative process is not considered, the final product is less, and less is learned. At NCC, this creative process is expressed as music, performance, or visual art.

It is the goal of the Fine Arts Department to engage the student in this process, fostering growth in all three of these areas. For the student, this growth should go beyond the creative act and extend into the student's everyday life, developing self-expression, self-discipline, and self-confidence. Perhaps the most important consequence of this growth is self-discovery. The making of art is the means through which students learn the most about themselves as well as the world around them.

ARTS & HUMANITIES

Grades 9-12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ Complete well written, descriptive, and analytical critiques of various art forms and performances including live, public performances of art presentations
- ❖ Participate in student performances and projects and learn the basic elements of the craft
- ❖ To gain a new understanding of how elements of the arts have changed throughout the history of the world
- ❖ To learn the multiple career possibilities in the arts
- ❖ To discuss and understand how art reflects life and life reflects art
- ❖ To get an exposure to the various elements, principles, media, processes and purposes of Music, Drama Dance and Visual Art.
- ❖ Listen, participate, and take daily notes on various arts theories and practices

MUSIC

APPLIED MUSIC INSTRUMENTAL

Grades 9 - 12

Elective

3 Trimesters

¼ Credit

Note:

There is a fee for 30-minute private lessons.

Objectives:

- ❖ To develop a basic understanding of music theory.
- ❖ To develop increasingly proficient technique on a given instrument.
- ❖ To develop confidence and proficiency in musical performance. Once achieving these goals the student will be expected to participate in school liturgies.

CHOIR 1-4

Grades 9 - 12

Elective

1 Trimester

½ Credit

Note:

This class will be offered during the first trimester. Continued participation will be after school during the 2nd and 3rd trimesters.

Objectives:

- ❖ To use proper singing posture and breathing techniques.
- ❖ To develop sight singing skills.
- ❖ To sing well in unison as well as harmony within a group.
- ❖ To understand the historical context in which the piece was written as well as the composer background.
- ❖ To sing songs in foreign languages.
- ❖ To perform within a fall play as well as a fall choral concert.
- ❖ To lead the singing at school masses.

MUSIC 1

Grades 9 - 12

Elective

1 Trimester

½ Credit

Note:

This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Objectives:

- ❖ To read and understand music notation.
- ❖ To introduce musical concepts such as melody, rhythm, harmony, and form.
- ❖ To introduce basic music theory.
- ❖ To perform various songs.
- ❖ To compose an original song.

MUSIC 2

Grades 9 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

Recommendation

Note:

This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Objectives:

- ❖ To read and understand music notation.
- ❖ To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- ❖ To perform various songs.
- ❖ To compose original songs.
- ❖ To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

MUSIC 3

Grades 10-12

Elective

1 Trimester

½ Credit

Prerequisite:

Recommendation

Note:

This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Objectives:

- ❖ To read and understand music notation.
- ❖ To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- ❖ To perform various songs.
- ❖ To compose original songs and to arrange various songs for other instruments.
- ❖ To develop aural skills with an emphasis on ear training.
- ❖ To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

MUSIC 4

Grades 10 -12

Elective

1 Trimester

½ Credit

Prerequisite:

Recommendation

Note:

This class will include the use of electronic keyboards to learn and understand the basic concepts of music.

Objectives:

- ❖ To read and understand music notation.
- ❖ To further develop an understanding of musical concepts such as melody, rhythm, harmony, and form.
- ❖ To perform various songs.
- ❖ To compose original songs and to arrange various songs for other instruments.
- ❖ To develop aural skills with an emphasis on ear training.
- ❖ To introduce more topics in applied music theory that are useful to students currently studying an instrument or voice.

PERFORMING ART

ACTING 2

Grades 9 - 12

Prerequisites:

Elective

1 Trimester

½ Credit

Performance class, previous participation in school play, or teacher recommendation

Objectives:

- ❖ To continue students' perspectives in the study of acting.
- ❖ To understand the career possibilities in theatre.
- ❖ To explore the historical aspects of performing arts.
- ❖ To further develop respect for the skills and talents required in acting.
- ❖ To further the experience of being on stage through embellishing the study of the art of acting.
- ❖ To continue developing "hands on" experience in acting through deep study of improvisation, monologues, duo scenes, and directing.
- ❖ To broaden the study of famous actors in the theatre both on stage and in film.

PERFORMANCE

Grades 9 - 12

Objectives:

Elective

1 Trimester

½ Credit

- ❖ To broaden students' perspectives by studying acting.
- ❖ To develop respect for the skills and talents required in acting.
- ❖ To develop the experience of being on stage through learning the basic parts of the stage and of stage acting.
- ❖ To introduce "hands on" experience in acting through improvisation, monologues, and duo scenes and experience in directing a scene.
- ❖ To study famous actors in the theatre both on stage and in film.
- ❖ To identify and to demonstrate knowledge of the body and movement skills in performing dance.
- ❖ To participate safely and regularly in warm-up activities followed by strengthening, endurance, and flexibility exercises.
- ❖ To expand dance vocabulary with movement experiences in time and in space.
- ❖ To explore the various types of dance.

SENIOR PRODUCTION

Grade 12

Note:

Elective

1 Trimester

½ Credit

This class is restricted to seniors who have NOT already taken Theatre Production.

Objectives:

- ❖ To broaden students understanding of all the elements of drama
- ❖ To provide "hands on" experience in all the technical aspects of theatre including sounds design, lighting design, theatrical make-up and set construction.
- ❖ To demonstrate and improve upon all aspects of public performance by participating in a real production.
- ❖ To gain an understanding of all the professional career possibilities in technical and performance areas of the theatre.
- ❖ To gain insight to how certain historical productions overcame obstacles such as funding, advertising and marketing by participating with a team in tackling these obstacles for our own production.

VIDEO PRODUCTION

Grades 9 – 12

Elective

2 Trimesters

1 Credit

Note:

Students will be required to cover multiple events outside of school hours.

Objectives:

- ❖ To teach students the basic techniques of how to use a video camera
- ❖ To learn how to use editing software such as Sony Vegas and Adobe Premier
- ❖ To produce several multimedia presentations
- ❖ To learn the techniques for interviewing and covering media events.
Students will be required to cover multiple events outside of school hours.

VISUAL ART

ART 1

Grades 9 - 12

Elective

2 Trimesters

1 Credit

Objectives:

- ❖ To gain a basic understanding of the thought process which occurs when creating.
- ❖ To be able to render objects as they appear using simple sensitive lines in contour and gesture with a variety of line weight.
- ❖ To be able to see values of shading and demonstrate them by using a variety of media including, but not limited to, charcoal, pencil, pastel, and mixed media.
- ❖ To understand the character and use of a given medium.
- ❖ To stay with an idea until the problem is solved from a variety of different viewpoints.
- ❖ To gain a basic understanding of composition as it relates to two dimensional art.
- ❖ To gain a basic understanding of one point perspective.
- ❖ To make art from the three basic categories of visual art (realistic, abstract, non-objective) and gain a basic understanding of the principles and elements common to all three.
- ❖ To gain a basic understanding of the emotive qualities of color.
- ❖ To experiment with a wide diversity of art styles and techniques in creating a work of art.
- ❖ To study and emulate certain aspects of a given movement from art history in combination with the students' own ideas.

ART 2

Grades 10 - 12

Prerequisite:

Objectives:

Elective

2 Trimesters

1 Credit

Art 1 and recommendation. Students must also complete a minimum of three pieces of art over the summer prior to entering Art 2.

- ❖ To be able to render the human figure in a variety of media using both line and form.
- ❖ To understand and be able to reproduce objects in one, two, and three point perspective.
- ❖ To study and emulate certain aspects of a given movement from art history in combination with the students' own ideas.
- ❖ To draw and design by two-dimensional means an object and then interpret into a solid form.
- ❖ To describe a work of art in terms of its style, media use, and qualities which go beyond the subject matter.
- ❖ To have a basic understanding of simple color theory.
- ❖ To complete an eight piece portfolio demonstrating the students breadth in both technique and media as well as being able to show a maturing commitment to theme.

ART 2 HONORS

Grades 10 - 12

Prerequisite:

Objectives:

Elective

2 Trimesters

1 Credit

Art 1 and recommendation. Students must also complete a minimum of four pieces of art over the summer prior to entering Art 2 Honors.

- ❖ To be able to render the human figure in a variety of media using both line and form.
- ❖ To understand and be able to reproduce objects in one, two, and three point perspective.
- ❖ To study and emulate certain aspects of a given movement from art history in combination with the students' own ideas.
- ❖ To draw and design by two-dimensional means an object and then interpret into a solid form.
- ❖ To describe a work of art in terms of its style, media use, and qualities which go beyond the subject matter.
- ❖ To have a basic understanding of simple color theory.
- ❖ To complete an eight piece portfolio demonstrating the student's breadth in both technique and media as well as being able to show a maturing commitment to theme. Students will use this portfolio to compete in the Governor's School for the Arts competition.
- ❖ To gain an understanding of the function of the sketchbook by working in it everyday during the trimester (minimum 15 minutes daily, logged times and dates). This sketchbook will also be utilized for the Governor's School for the Arts competition.

ART 3 HONORS

Grades 11 - 12

Elective

2 Trimesters

1 Credit

Prerequisites:

Art 2 and recommendation. Students must also complete a minimum of four pieces of art over the summer prior to entering Art 3 Honors.

Objectives:

- ❖ To make further progress in drawing from life, human figure, objects and forms in contour, gesture and weight using selected media of a widening range of materials.
- ❖ To extend and apply the use of color to include more complex color relationships in order to convey a feeling or achieve a visual effect.
- ❖ To evaluate a work of art in terms of how artists solve a particular problem they set for themselves.
- ❖ To gain an understanding of various aesthetic issues faced by artists through study and emulation of artists of historical significance.
- ❖ To gain a basic understanding and control over acrylic paints.
- ❖ To increase proficiency in rendering space with one, two, and three point perspective.
- ❖ To complete an eight piece portfolio demonstrating the student's breadth in both technique and media as well as being able to show a maturing commitment to theme. This portfolio should demonstrate expected evolution and development beyond their Art Two portfolio. Students will use this portfolio to compete in the Governor's School for the Arts competition as well as the Marie Walsh Sharpe competition.
- ❖ To gain a continued understanding of the function of the sketchbook by working in it everyday during the trimester (minimum 15 minutes daily, logged times and dates). It should demonstrate expected evolution and development beyond their Art Two sketchbook. This sketchbook will also be utilized for the Governor's School for the Arts competition.

INDEPENDENT STUDY IN ART

Grades 10-12

Elective

1 Trimester

½ Credit

Prerequisites:

Art 1 and recommendation.

Objectives:

- ❖ To enable the serious art student, through instructor interaction, to develop work based on an individually chosen theme or concept in the manner of professional artist – to work as artists work.
- ❖ To afford the serious art student the opportunity to continue pieces or series of pieces begun in Art 1, 2, 3, 4, or A.P. Art.
- ❖ To allow the serious art student the opportunity to, in combination with their regular art class (Art 1, 2, 3, 4, or A.P. Art), be in art class throughout the year. Along with the intrinsic value for the serious student, it will allow said student to prepare for various competitions such as The Kentucky Governors School for the Arts, Marie Walsh Sharpe, Scholastics, various college and university scholarship competitions and portfolio entrance reviews, as well as preparation for submission of the A.P. Portfolio.

ART 4 Honors

Grade 12

Elective

2 trimesters

1 Credit

Prerequisites:

Art 3 and recommendation. Students must also complete a minimum of 5 pieces of art over the summer prior to entering Art 4 Honors.

Objectives:

- ❖ To produce work in a much more self-guided manner in the fashion of a professional artist.
- ❖ To increase drawing and rendering proficiency through a new emphasis on the figure.
- ❖ To continue developing the fundamentals of making and understanding art.
- ❖ To greatly increase the professionalism of the students' work.
- ❖ To complete an eight piece portfolio demonstrating the student's breadth in both technique and media as well as being able to show a maturing commitment to theme. This portfolio should demonstrate expected evolution and development beyond their Art Three portfolio. Students will use this portfolio to compete in the Scholastic's Art competition in January. Students will complete a 10 – 15 piece portfolio by May to be used in the annual art show.

To gain a continued understanding of the function of the sketchbook by working in it everyday during the trimester (minimum 15 minutes daily, logged times and dates). It should demonstrate expected evolution and development beyond their Art Three sketchbook.

* All work described in aforementioned portfolios may be used congruently, i.e. the Scholastic's portfolio can be a part of the AP Portfolio, etc.

ADVANCED PLACEMENT ART

Grade 12

Elective

3 Trimesters

1½ Credits

Prerequisite:

Recommendation and completion of a minimum of 6 pieces of art over the summer prior to entering AP Art.

Objectives:

- ❖ To produce work in a much more self-guided manner in the fashion of a professional artist.
- ❖ To increase drawing and rendering proficiency through a new emphasis on the figure.
- ❖ To continue developing the fundamentals of making and understanding art.
- ❖ To prepare and assist students in the development of a portfolio during their senior year.
- ❖ To greatly increase the professionalism of the students' work.
- ❖ To gain a basic understanding of art as a profession.
- ❖ To begin questioning the purpose of making art as it relates to professionals and themselves.
- ❖ To gain a continued understanding of the function of the sketchbook by working in it everyday during the trimester (minimum 15 minutes daily, logged times and dates). It should demonstrate expected evolution and development beyond their Art Three sketchbook.
- ❖ To complete an eight piece portfolio demonstrating the student's breadth in both technique and media. This portfolio will have a much greater emphasis on theme than the Art 2 or Three portfolios. This portfolio should also demonstrate expected evolution and development beyond their Art Three portfolio. Students will use this portfolio to compete in the Scholastic's Art competition in January. Students will complete a 10 – 15 piece portfolio by May to be used in the annual art show.
- ❖ To produce an Advanced Placement studio portfolio and submit for review in May.

* All work described in aforementioned portfolios may be used congruently, i.e. the Scholastic's portfolio can be a part of the AP Portfolio, etc.

YEARBOOK

Grade 12

Elective

3 Trimesters

1½ Credits

Note:

Currently this is a 3 trimester course; however, that may change based on student interest. If interested in taking only 1 trimester of the course, students are encouraged to mark that on their schedule request forms. In this event, the course would be worth ½ credit.

Objectives:

- ❖ To provide students with a basic understanding of digital photography as an art form
- ❖ To teach students how digital cameras and computer software replaces the traditional darkroom editing and is used to capture and manipulate photographic images
- ❖ To increase the student's understanding of contemporary photographic techniques
- ❖ Stress the expression of meaning in personal artworks
- ❖ Give students an understanding of the history of the technology and techniques of photography as an art form
- ❖ Instruct students on writing, interviewing and theme development skills as we work on the production of a several published pieces of art including the school Yearbook
- ❖ Explores the profession of artistic design and photography and the possible career/college pathways a student can pursue
- ❖ To teach students how they can use photography to create better, more persuasive projects in other academic classes.

FOREIGN LANGUAGE

The study of foreign language helps the student acquire a knowledge, an understanding, and an appreciation of other countries through communication. This is done through the study of the language itself, the grammar, syntax, and vocabulary. A knowledge of the culture and customs of other nationalities is acquired through the discussion and the study of the civilizations of Spanish speaking countries.

SPANISH 1

Grades 9 - 12

Elective

2 Trimesters

1 Credit

Objectives:

- ❖ To provide the student with the fundamentals of the Spanish language.
- ❖ To develop the ability to pronounce Spanish properly through continual use of the language in classroom dialogue.
- ❖ To develop the ability to understand the spoken language, to write and to read without translation through classroom exercises and the use of audio equipment and supplementary workbook materials.
- ❖ To introduce Spanish and Hispanic culture and foster an understanding of and an appreciation for these cultures and their impact on American and world culture through stories and pictures.

CP (College Preparatory) SPANISH 1

Grades 9 – 11

Elective

2 Trimesters

1 Credit

Prerequisite:

Score of 49 or lower on the HSPT.

Objectives:

- ❖ To provide the students with the fundamentals of the Spanish language.
- ❖ To develop the ability to construct a sentence in Spanish.
- ❖ To develop the ability to write and read simple sentences used in daily conversation.
- ❖ To introduce Spanish and Hispanic culture to promote the understanding and appreciation of these cultures.

SPANISH 2

Grades 10 - 12

Elective

2 Trimesters

1 Credit

Prerequisites:

Spanish 1 and recommendation

Objectives:

- ❖ To provide a flexible, balanced program of conversation, language structure, reading and writing by enlarging vocabulary, continuing development of aural-oral skills, and developing writing skills.
- ❖ To provide opportunities in reading and thinking in Spanish.
- ❖ To encourage an interest in the cultural background of the Spanish-speaking people.

CP (College Preparatory) SPANISH 2

Grades 10-12

Elective

2 Trimesters

1 Credit

Prerequisite:

Fundamental Spanish 1

Objectives:

- ❖ To increase the students' knowledge of the fundamentals of the Spanish language.
- ❖ To develop the ability to write a paragraph in Spanish.
- ❖ To develop the ability to converse in basic Spanish.
- ❖ To introduce Spanish and Hispanic culture to promote the understanding and appreciation of these cultures.

SPANISH 3

Grades 11 - 12

Elective

2 Trimesters

1 Credit

Prerequisites:

Spanish 2 and recommendation

Objectives:

- ❖ To provide a realistically balanced program of grammar review, literature, and culture sensibly blended to appeal to students who are not practiced enough to tackle full-scale literary studies but who have mastered the basics of the language.
- ❖ To introduce reading selections by Hispanic authors, vocabulary and comprehension questions, composition, and conversation to increase oral-aural skills.

ADVANCED PLACEMENT SPANISH LANGUAGE

Grade 12

Elective

3 Trimesters

1½ Credits

Prerequisites:

Spanish 3 and recommendation

Note:

Students who intend to take the national Advanced Placement examination will be expected to develop the ability for audio comprehension of native speakers.

Objectives:

- ❖ To place emphasis on reading and writing skills along with a study of Spanish and Latin American writers.
- ❖ To practice detailed comprehension and discussion of written Spanish.
- ❖ To improve knowledge through structure drills, oral practice and review, vocabulary drills, and creative exercises to further develop composition and discussion skills.
- ❖ To develop the student's ability to converse, write and read well enough for a general understanding of the Spanish language with knowledge of an appreciation for the influence of Spanish and Hispanic culture.

HEALTH AND PHYSICAL EDUCATION

The Health and Physical Education Department serves to enhance the general educational development of the whole student. The goal is the preparation of each student for his/her present and future ability to meet life's everyday situations. Physical fitness and body building exercises develop physical stamina. Intellectual challenges are offered in physical education through rules, skills, and strategies developed in team and individual sports. Through a practical knowledge of the human body, how it functions physically and mentally, and the ability to recognize, understand, and cope with disorders that may arise, the student enhances his/her intellectual development. Recreationally, the goal is to prepare the student for leisure time activities. Socially, the purpose is to strive for the development of leadership qualities, safety awareness, working with others in team effort, good sportsmanship, and understanding and compassion towards those who are less fortunate physically or mentally. Psychologically, the goal is to develop the ability to make decisions and to accept the resulting consequences.

HEALTH

Grade 9

Required

1 Trimester

½ Credit

Objectives:

- ❖ To provide students with practical knowledge of themselves and how they function physically, mentally, and spiritually.
- ❖ To provide knowledge of body systems, diseases, first aid, mental and emotional health, personal hygiene, physical fitness, and sex education.
- ❖ To recognize and evaluate one's current health status and knowledge to maintain it/improve it.
- ❖ To be able to understand and cope with disorders that may arise.
- ❖ To relate current health issues to one's own environment.

HEALTH HONORS

Grade 9

Required

1 Trimester

½ Credit

Objectives:

- ❖ To provide students with practical knowledge of themselves and how they function physically, mentally, and spiritually.
- ❖ To provide knowledge of body systems, diseases, first aid, mental and emotional health, personal hygiene, physical fitness, and sex education.
- ❖ To recognize and evaluate one's current health status and knowledge to maintain it/improve it.
- ❖ To be able to understand and cope with disorders that may arise.
- ❖ To relate current health issues to one's own environment.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general health class.

PHYSICAL EDUCATION

Grade 9

Required

1 Trimester

½ Credit

Objectives:

- ❖ To demonstrate basic skills needed for participation in common team and individual sports (volleyball, basketball, bowling, softball, gymnastics, football, soccer, golf, tennis, and track and field).
- ❖ To introduce movement, fundamentals, and physical fitness and its importance to everyday life.
- ❖ To provide basic rules, equipment used, history of the sport, terminology used, and dimensions of the playing areas in note form to better understand the sports/activities.

INFORMATION TECHNOLOGY

The Information Technology Department is committed to insuring that current information technology is available to students, and that this technology is integrated into the school's curriculum. Students will develop the skills to explore their own interests via applications of various software packages, including the use of on-line resources. These electronic information resources are critical and essential to learning. This commitment will provide students with a broad understanding of information technology and the ability to apply this knowledge at work, school, and home.

DESKTOP PUBLISHING

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: Introduction to Graphic Design

Objectives:

- ❖ To develop a deeper understanding of PageMaker, using the acquired skills for the design and creation of the school's yearbook.

ILLUSTRATOR 1

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: Introduction to Graphic Design

Objectives:

- ❖ To learn how to create computerized drawings within Illustrator

ILLUSTRATOR 2

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: Introduction to Graphic Design

Objectives:

- ❖ A continuation of Illustrator 1, with emphasis placed on more advanced techniques

INDEPENDENT STUDIES IN GRAPHIC DESIGN

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: Introduction to Graphic Design

Objectives:

- ❖ This course is designed for students who have a particular series of graphical projects in mind, projects which would be above and beyond the scope of the other design courses.

INTRODUCTION TO GRAPHIC DESIGN

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: A general knowledge of computer technology.

Objectives:

- ❖ To develop skills required for desktop publishing by using programs such as Adobe Photoshop, Illustrator, and PageMaker.

GRAPHIC DESIGN 2

Grades 10 - 12 Elective 1 Trimester ½ Credit

Prerequisite: Intro to Graphic Design

Objectives:

- ❖ A continuation of the Introduction class, Photoshop and Illustrator skills are expanded, along with an introduction to Design.

GRAPHIC DESIGN 3

Grades 10 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

Intro to Graphic Design

Objectives:

- ❖ A continuation of Graphic Design 2, Photoshop and Illustrator skills are expanded, along with an expansion of design techniques.

MICROSOFT OFFICE

Grades 9 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To introduce the students to the integrated software Microsoft Office 2000.
- ❖ To understand the concepts used in word processing and to learn the features and mechanics available with Word 2000.
- ❖ To understand the uses and applications of presentation software and to develop presentations using PowerPoint 2000.
- ❖ To understand the concepts of a spreadsheet and its applications by learning the features of Excel 2000.
- ❖ To introduce the basics of a relational database and its applications by learning some of the features of Access 2000.

PHOTOSHOP 1

Grades 10 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

Introduction to Graphic Design

Objectives:

- ❖ To develop a deeper understanding of Photoshop, beyond the introductory level

PHOTOSHOP 2

Grades 10 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

Introduction to Graphic Design

Objectives:

- ❖ A continuation of Photoshop 1, with emphasis placed on more advanced techniques

MATHEMATICS

The Mathematics Department believes that basic understanding of mathematical principles, as well as computational skills, are essential. Mathematics courses are so organized that students may experience success at different levels of achievement. Students are encouraged to use initiative and to become aware and accepting of their own particular abilities and of others' abilities. Thus the Mathematics program endeavors to give students a background in mathematics with the hope of inspiring them to meet their full mathematical potential.

ALGEBRA 1 CONCEPTS

Grade 9

Required

3 Trimesters

1 ½ Credits

Prerequisite:

Recommendation/Placement Test

Objectives:

- ❖ To review the natural number properties and concepts and the properties of addition, subtraction, multiplication, and division, and use them in calculations solving equations and applications.
- ❖ To strengthen general arithmetic skills including decimals, fractions, and percents.
- ❖ To review LCM and GCF
- ❖ To work on exponent properties.
- ❖ To solve problems using formulas.
- ❖ To be able to solve and graph linear equations and linear inequalities of 1 or 2 variables.
- ❖ To be able to solve systems of two equations in 2 variables.
- ❖ To be introduced to quadratic equations, factoring, and graphing.

NOTE: Algebra 1 Concepts is not intended to be adequate preparation for those who plan to major in mathematics or a heavily math-based field in college.

ALGEBRA 1

Grade 9

Required

3 Trimesters

1 ½ Credits

Prerequisite:

Recommendation/Placement Test

Objectives:

- ❖ To review the natural number properties and concepts and the properties of addition, subtraction, multiplication, and division, and use them in calculations solving equations and applications.
- ❖ To reinforce arithmetic skills.
- ❖ To work on exponent properties.
- ❖ To solve problems using formulas.
- ❖ To be able to solve and graph linear functions and linear inequalities of 1 or 2 variables.
- ❖ To be able to solve systems of two equations in 2 variables.
- ❖ To be able to factor and solve quadratic equations.
- ❖ To be introduced to quadratic graphs.
- ❖ To stress the fundamental principles of algebra as a preparation for higher math studies.
- ❖ To encourage proficiency in various levels of worded problem solving.

ALGEBRA 1 HONORS

Grade 9

Required

2 Trimesters

1 Credit

Prerequisite:

Recommendation/Placement Test

Objectives:

- ❖ To review the natural number properties and concepts and the properties of addition, subtraction, multiplication, and division, and use them in calculations solving equations and applications.
- ❖ To reinforce general arithmetic skills.
- ❖ To be able to write, solve, and graph linear functions and linear inequalities of 1 or 2 variables.
- ❖ To develop an understanding of signed number operations and the use of variables in equation solving and in solving inequalities.
- ❖ To be able to solve and graph systems of equations using multiple algebraic methods.
- ❖ To stress the fundamental principles of algebra as a preparation for higher math studies.
- ❖ To encourage proficiency in various levels of worded problem solving.
- ❖ To be able to factor and solve quadratic equations.
- ❖ To be able to write and graph quadratic functions.
- ❖ To be able to write and graph exponential functions
- ❖ To be able to use completing the square and the quadratic formula to solve and graph quadratic equations

GEOMETRY CONCEPTS

Grade 10

Required

2 Trimesters

1 Credit

Prerequisite:

Algebra 1 Concepts or Algebra 1

Objectives:

- ❖ To reinforce arithmetic skills.
- ❖ To be able to name and construct points, rays, segments, lines, angles, parallel lines and perpendiculars to segments.
- ❖ To use postulates and theorems of geometry in understanding and writing proofs.
- ❖ To be able to classify triangles and to name congruent triangles.
- ❖ To be able to prove theorems involving congruence and similarity of triangles.
- ❖ To investigate and apply the properties of quadrilaterals.
- ❖ To classify polygons and be able to find the measurement of their angles.
- ❖ To be able to find perimeter, area, circumference, radius, diameter, and volume.
- ❖ To use map and scale drawings.
- ❖ To use terms and apply theorems related to circles.
- ❖ To draw and to interpret drawings of solid figures.

GEOMETRY

Grade 10

Prerequisite:

Objectives:

Required

Algebra 1

2 Trimesters

1 Credit

- ❖ To be able to name and construct points, rays, segments, lines, angles, parallel lines and perpendiculars to segments.
- ❖ To develop deductive reasoning skills through the nature of proof.
- ❖ To be able to classify triangles and to name congruent triangles.
- ❖ To be able to prove theorems involving congruence and similarity of triangles.
- ❖ To classify polygons and be able to find the measurement of their angles.
- ❖ To investigate and apply the properties of quadrilaterals and other polygons.
- ❖ To be able to find perimeter, area, circumference, radius, diameter, and volume.
- ❖ To investigate and apply the theorems concerning the properties of circles including area and circumference.
- ❖ To be able to perform constructions that apply the theorems and properties studied.
- ❖ To investigate surface area and volume of solid figures.
- ❖ To investigate right triangle trigonometry and its applications.

GEOMETRY HONORS

Grade 10

Prerequisite:

Objectives:

Required

Algebra 1 Honors or Algebra 2 as a freshman

2 Trimesters

1 Credit

- ❖ To understand point, line, plane, angles, perpendicular, and parallel lines.
- ❖ To develop deductive reasoning skills through the nature of proof.
- ❖ To be able to prove theorems involving congruence and similarity of triangles.
- ❖ To investigate and apply the properties of quadrilaterals and other polygons.
- ❖ To investigate and apply the theorems concerning the properties of circles including area and circumference.
- ❖ To be able to perform constructions that apply the theorems and properties studied.
- ❖ To investigate Right Triangle Trigonometry and its applications.
- ❖ To investigate vectors and matrices and their use in performing transformations of geometric figures in the coordinate plane.
- ❖ To investigate Surface Area and Volume of Solid figures.

ALGEBRA 2 CONCEPTS

Grade 11

Prerequisite:

Objectives:

Required

Algebra 1 Concepts or Algebra 1

2 Trimesters

1 Credit

- ❖ To reinforce the concepts of operations on real numbers.
- ❖ To solve problems using simple one-variable equations.
- ❖ To further develop the skill of graphing linear inequalities and solving them.
- ❖ To be able to perform operations involving positive and negative exponents and roots.
- ❖ To be able to perform operations with polynomials and factor the different types of polynomials.
- ❖ To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- ❖ To be able to solve problems applying systems of linear equations.

ALGEBRA 2

Grade 9 or 11

Prerequisite:Note:

Required

2 Trimesters

1 Credit

Algebra 1

Incoming freshmen, who wish to qualify for Algebra 2, must pass an Algebra 1 exam given by the Newport Central Catholic Mathematics Department.

Objectives:

- ❖ To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- ❖ To be able to solve problems applying systems of linear equations.
- ❖ To become familiar with various methods of solving first and second-degree equations and inequalities.
- ❖ To be able to perform operations with polynomials.
- ❖ To recognize and use a wide variety of factoring patterns.
- ❖ To be able to solve problems applying systems of linear equations.
- ❖ To develop skills in handling rational and irrational algebraic expressions.
- ❖ To introduce complex numbers and define the four basic operations for complex numbers.
- ❖ To be able to solve systems of linear and quadratic equations.
- ❖ To work with exponential, logarithmic, and trigonometry functions.

ALGEBRA 2 HONORS

Grade 9 or 11

Prerequisite:Objectives:

Required

2 Trimesters

1 Credit

Algebra 1 Honors/Recommendation/Placement Test (freshmen)

- ❖ To further develop the skill of graphing relations and functions, both linear and quadratic, using a two-coordinate system.
- ❖ To become familiar with various methods of solving first and second-degree equations and inequalities.
- ❖ To be able to perform operations with polynomials.
- ❖ To recognize and use a wide variety of factoring patterns.
- ❖ To be able to use completing the square and the quadratic formula to solve and graph quadratic equations
- ❖ To develop skills in handling rational and irrational algebraic expressions.
- ❖ To introduce complex numbers and define the four basic operations for complex numbers.
- ❖ To be able to translate and transform parent functions of graphs.
- ❖ To be able to solve systems of linear and quadratic equations, including systems of 3 equations with 3 variables.
- ❖ To work with exponential, logarithmic, and trigonometry functions.
- ❖ To be able to write and graph exponential functions
- ❖ To be able to perform operations with matrices.

TRANSITIONAL MATH IV

Grade 12

Elective

1 Trimester

½ Credit

Prerequisite:

Algebra 2. Also, students with a C or higher in Algebra 2 Honors are NOT eligible for this course. This course is recommended for students taking Algebra 2 Concepts during their junior year as well as those with ACT math scores between 12 and 15.

Note:

This course is designed for seniors who are not pursuing trigonometry or precalculus. This course will aid in strengthening math skills before entering college. The course will prepare students to take the KYOTE college math placement test with the hope of avoiding remedial level math courses at the college level.

Objectives:

- ❖ To solve problems using the real number system.
- ❖ To solve problems using fractions, decimals, and percents.
- ❖ To understand mathematics behind budgets, credit card interest, mortgages, loans, investments.
- ❖ To write with positive exponents.
- ❖ To solve problems involving factoring polynomials.
- ❖ To expand upon work done with rational expressions and complex fractions to introduce students to college level algebra topics.
- ❖ To introduce triangle trigonometry and solve problems including the angle of elevation and the angle of depression.

ALGEBRA 3

Grade 12

Elective

1 Trimester

½ Credit

Prerequisite:

Algebra 2. Note: Students with a C or higher in Algebra 2 Honors are NOT eligible for this course. This course is recommended for students taking Algebra 2 during their junior year who do not wish to take Precalculus or Trigonometry as well as those with ACT math scores between 16 and 19.

Note:

This course will build on the Algebra foundation begun in Algebra 1 and 2 and will also extend learning into some college level algebra topics. The course will prepare students to take the KYOTE college math placement test with the hope of avoiding remedial level math courses at the college level.

Objectives:

- ❖ To solve problems using the real number system.
- ❖ To solve problems using fractions and percents.
- ❖ To write with positive and negative exponents.
- ❖ To solve problems involving factoring polynomials.
- ❖ To further explore linear and quadratic functions.
- ❖ To study areas of basic probability and statistics.
- ❖ To be able to solve problems applying systems of linear equations.
- ❖ To introduce triangle trigonometry and solve problems including the angle of elevation and the angle of depression.

TRIGONOMETRY

Grades 10 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

"B" average in Algebra 2 or recommendation of the Algebra 2 teacher

Objectives:

- ❖ To introduce students to the trigonometric functions as periodic functions and their properties.
- ❖ To be able to graph the trigonometric functions and their inverses.
- ❖ To be able to solve trigonometric equations.
- ❖ To use the trigonometric functions to solve applications involving triangles, vectors, and motion.
- ❖ To be able to solve trigonometric identities.

PRECALCULUS

Grades 11 - 12

Prerequisite:

Note:

Elective

1 or 2 Trimesters

½ or 1 Credit

"B" average in Algebra 2 or recommendation of the Algebra 2 teacher

This course is intended for students who plan to take a calculus course. Emphasis is placed on applications of the topics and integration of previously studied mathematics. Appropriate use of scientific calculators with graphing capabilities and computers will be integrated throughout the course.

Objectives:

- ❖ To review and further develop topics from Algebra 2.
- ❖ To understand analytic geometry including conics.
- ❖ To understand functions, their inverses, graphs, and their applications including polynomial, rational, exponential, and logarithmic functions.
- ❖ To review triangle trigonometry and develop an understanding of the trigonometric functions and their graphs.
- ❖ To develop a basic understanding of sequences, series, mathematical induction, and limits.

ADVANCED PLACEMENT CALCULUS

Grade 11 - 12

Prerequisite:

Note:

Elective

1,2, or 3 Trimesters

½ to 1½ Credits

Trig and "B" average in pre-calculus or recommendation of the pre-calculus teacher

This course is intended to prepare students to take the College Board Advanced Placement Calculus A/B Exam. Extensive use of the graphing calculators will be a part of this course.

Objectives:

- ❖ To understand simple antiderivatives, Riemann Sums, and the definite integral.
- ❖ To reinforce the concepts learned in calculus and build on those concepts.
- ❖ To understand the definite integral, Fundamental Theorem of Calculus, and applications of the integral.
- ❖ To solve applications of the antiderivative, the Second Fundamental Theorem of Calculus, and the Trapezoidal Rule.
- ❖ To review and further develop skill using logarithmic, exponential, and the natural log functions.
- ❖ To use the definite integral to solve applications.
- ❖ To develop integration techniques using more than one rule including L'Hopital's Rule.

SCRIPTURE B

Grade 10

Required

1 Trimester

½ Credit

Objectives:

- ❖ To gain an understanding of the contents of the Old Testament.
- ❖ To learn how Catholics understand the Bible and how it relates to Tradition and the Catholic faith.
- ❖ To be familiar with the latter books of the Old Testament and God's continued revelation to His people.
- ❖ To examine the history and culture of the Jewish people through the periods of the judges and the Israelite and Samaritan monarchies.
- ❖ To examine the role of the prophets within Jewish history and culture, and the literature of the prophetic books.
- ❖ To familiarize students with referencing, cross-referencing, and overall Bible usage.
- ❖ To establish the connection between the books of the Old Testament and the New Testament.
- ❖ To see the relevancy of Scripture in everyday life.

SCRIPTURE C

Grade 10

Required

1 Trimester

½ Credit

Objectives:

- ❖ To see the connection between the Old Testament and the New Testament by examining the Old Covenants and the New Covenant.
- ❖ To gain an understanding of Jesus as portrayed in the Gospels through examining the evangelists, and Jesus' life and world.
- ❖ To gain an ability to thoroughly use the Bible.
- ❖ To familiarize students with the contents and literature of the New Testament.
- ❖ To see the relevancy of Scripture in everyday life.
- ❖ To strive to live the Gospel and carry it to others.
- ❖ To gain an ability to intelligently read the New Testament and to understand the basic themes, background, and theology.

CHURCH HISTORY A

Grade 11

Required

1 Trimester

½ Credit

Objectives:

- ❖ To see Jesus present in the "faith documents" of the early Christian community.
- ❖ To gain practical knowledge of the books of the New Testament.
- ❖ To gain the ability to intelligently read the New Testament and to understand the basic themes, background, and theology.
- ❖ To see how the early Christian community grew and spread out of the Biblical period.
- ❖ To gain understanding of the world and culture in which Christianity was born and grew.
- ❖ To examine the role of the early Church Fathers in the building of the new Christian communities.
- ❖ To grasp an understanding of the formulation of the Christian creed and its role in defending the faith from heresies.

CHURCH HISTORY B

Grade 11

Required

1 Trimester

½ Credit

Objectives:

- ❖ To appreciate the heritage and tradition of the Roman Catholic Church.
- ❖ To understand the correlation between world civilization and the Catholic Church.
- ❖ To achieve a greater understanding of Catholic tradition and the origin of Catholic Tradition.
- ❖ To examine the periods of growth and crisis within the Roman Catholic Church to come to a greater understanding of the present day Catholic Church.

CHURCH HISTORY C

Grade 11

Required

1 Trimester

½ Credit

Objectives:

- ❖ To appreciate the heritage and tradition of the Roman Catholic Church.
- ❖ To understand the correlation between world civilization and the Catholic Church.
- ❖ To achieve a greater understanding of Catholic tradition and the origin of Catholic Tradition.
- ❖ To examine the periods of growth and crisis within the Roman Catholic Church to come to a greater understanding of the present day Catholic Church.
- ❖ To examine the theology of the Reformation and Catholic Counter-Reformation, and how it has led to present day Christianity.
- ❖ To explore the modern Church in the light of the teachings of Vatican II.

CATHOLIC MORALITY A

Grade 12

Required

1 Trimester

½ Credit

Objectives:

- ❖ To be aware of the relevancy of morality in modern society.
- ❖ To understand the distinction between ethics and morality.
- ❖ To build a solid foundation so as to make good, sound moral decisions.
- ❖ To gain an understanding of the role of freedom, the conscience, and natural law in morality.

CATHOLIC MORALITY B

Grade 11

Required

1 Trimester

½ Credit

Objectives:

- ❖ To be aware of the relevancy of morality in modern society.
- ❖ To build a solid foundation so as to make good, sound moral decisions.
- ❖ To become more knowledgeable in regard to the relevant moral issues of the day, especially in regard to the official teachings of the Church.
- ❖ To examine specific moral issues based on the Ten Commandments, looking specifically at life issues.

CATHOLIC MORALITY C

Grade 12

Required

1 Trimester

½ Credit

Objectives:

- ❖ To be aware of the relevancy of morality in modern society.
- ❖ To build a solid foundation so as to make good, sound moral decisions.
- ❖ To become more knowledgeable in regard to the relevant moral issues of the day, especially in regard to the official teachings of the Church.
- ❖ To examine specific moral issues based on the Ten Commandments, looking specifically at social issues in the light of the Church's social teachings.

SCIENCE

The Science Department believes that all students should have a solid, fundamental science education to help them meet the challenges and problems of today's world. The students are encouraged to develop an appreciation of the world's resources, an awareness of environmental issues, and a sense of inquiry. The required classes are designed to fulfill this departmental philosophy. Elective classes are designed to prepare the students for post-secondary education.

BIOLOGY

Grade 9

Required

2 Trimesters

1 Credit

Objectives:

- ❖ To develop an understanding of concepts and vocabulary in a survey of the life sciences (which may include studies of cell biology, genetics, plants, animals, ecology, the chemistry of life, and the origin of life forms).
- ❖ To develop laboratory skills.
- ❖ To use the scientific method in problem solving.
- ❖ To prepare students for more advanced science courses.

BIOLOGY HONORS

Grade 9

Required

2 Trimesters

1 Credit

Prerequisites:

Minimum score of 80 in math and reading on the HSPT required.

Objectives:

- ❖ To develop an understanding of concepts and vocabulary in a survey of the life sciences (which may include studies of cell biology, genetics, plants, animals, ecology, the chemistry of life, and the origin of life forms).
- ❖ To develop laboratory skills.
- ❖ To use the scientific method in problem solving.
- ❖ To prepare students for more advanced science courses.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general biology class.

ADVANCED PLACEMENT BIOLOGY

Grades 11 - 12

Elective

3 Trimester

1½ Credits

Prerequisite:

Biology, Chemistry and Algebra

Note:

Because of the nature of this course, these are the guidelines followed when advising students considering Advanced Placement Biology

- This course is designed for the serious science student.
 - A junior or senior who wishes to take a second course in biology.
- It will be a rigorous Biology course at a college-level pace in preparation for the AP exam.
- Students should feel confident in science and math skills from previous coursework.
- This course will cover the topics most often found in a college general biology course under the main headings of
 - molecular and cellular biology
 - genetics and evolution
 - organisms and populations.
- Through lectures, readings, and laboratory experiments these topics will be explored with the following objectives in mind

Objectives:

- ❖ To know the basic facts, principles, and processes of biology.
- ❖ To understand the means by which biological information is collected and interpreted, and how hypotheses are formulated.
- ❖ To understand the social consequences of advancements in biological science.

GEOLOGY & ASTRONOMY

Grades 9 - 10

Required

1 Trimester

½ Credit

Objectives:

- ❖ To develop basic concepts and vocabulary for geology and astronomy.
- ❖ To develop an understanding of how the geological processes of earth dictate the geological processes of our planet Earth.
- ❖ To develop an understanding of our solar system and the planets within the solar system.
- ❖ To develop an understanding within the student for the history of man's exploration of space and our future in space.

ANATOMY AND PHYSIOLOGY HONORS

Grade 12

Elective

2 Trimesters

1 Credit

Objectives:

- ❖ To introduce the students to the normal functioning of human body systems.
- ❖ To help students become familiar with the functions of various anatomical structures.
- ❖ To help students understand the consequences of diet and hygiene on the normal operation of the body.
- ❖ To provide students with the background to take classes at the college level.

CHEMCOM (Chemistry in the Community)

Grades 10 – 12

Elective

2 Trimesters

1 Credit

Prerequisite:

Biology

Objectives:

- ❖ To enhance science literacy by emphasizing chemistry's impact on society.
- ❖ To educate a student who will become a citizen, but not necessarily a scientist, in a technological society.
- ❖ To encourage students to integrate chemistry concepts into real world situations.
- ❖ To develop the student's vocabulary, critical thinking, and problem solving skills in the following areas: water, chemical resources, petroleum, food, nuclear chemistry, air and climate, health, and chemical industry.

NOTE: ChemCom is not intended to be adequate preparation for those who major in science, engineering or allied-health fields (nursing, pre-med, pre-vet, pre-dent, pharmacy etc.) in college. If you wish to pursue a career in one of these fields, you should probably take Chemistry 1.

CHEMISTRY 1

Grades 10 – 12

Elective

2 Trimesters

1 Credit

Prerequisites:

Must have passed Algebra 1 and biology during the school year.

Note:

Laboratory sessions are an integral part of this course.

Objectives:

- ❖ To develop the student's understanding of the following chemistry topics: measuring and calculating, matter, atomic structure, the periodic table and the elements, chemical bonding, and solids, liquids, and gases.
- ❖ To develop the student's problem solving ability in the following areas: chemical formulas and equations, the mole, chemical reactions, and acids and bases.
- ❖ To prepare college bound students for introductory college chemistry.

CHEMISTRY 1 HONORS

Grades 10 – 12

Elective

2 Trimesters

1 Credit

Prerequisites:

Must have passed Algebra 1 and biology during the school year.

Note:

Laboratory sessions are an integral part of this course.

Objectives:

- ❖ To develop the student's understanding of the following chemistry topics: measuring and calculating, matter, atomic structure, the periodic table and the elements, chemical bonding, and solids, liquids, and gases.
- ❖ To develop the student's problem solving ability in the following areas: chemical formulas and equations, the mole, chemical reactions, and acids and bases.
- ❖ To prepare college bound students for introductory college chemistry.
- ❖ To enhance learning by developing independent study skills.
- ❖ To increase academic rigor by covering material at a more in-depth level and proceeding at a faster pace than the general chemistry class.

CHEMISTRY 2 HONORS/DUAL CREDIT

Grade 11 – 12

Elective

2 Trimesters

1 Credit

Prerequisite:

Chemistry 1 Honors or Recommendation of Chemistry 1 Teacher

Objectives:

- ❖ To develop a better appreciation for the various aspects of chemistry.
- ❖ To better prepare college bound students planning on majoring in the sciences or engineering for higher-level chemistry classes.
- ❖ To develop the student's understanding of the following chemistry topics: molecular structure, organic chemistry, acids and bases, molecular geometry, advanced stoichiometry and equation writing.
- ❖ To develop the student's problem solving ability in the following areas: chemical formulas and equations, gases and the mole, reaction rates, and oxidation-reduction, molecular geometry and organic chemistry.

AP CHEMISTRY/DUAL CREDIT

Grade 11 – 12

Elective

3 Trimesters

1 Credit

Prerequisite:

Chemistry 1 Honors or Specific Recommendation of Chemistry 1 Teacher

Objectives:

- ❖ To develop a better appreciation for the various aspects of chemistry.
- ❖ To prepare college bound students planning on majoring in the sciences or engineering for higher-level chemistry classes.
- ❖ To better prepare students for the AP Chemistry Exam with a course covering material included in and at the level of a college General Chemistry Course
- ❖ To develop the student's understanding of the following chemistry topics: molecular structure, organic chemistry, acids and bases, molecular geometry, advanced stoichiometry and equation writing.
- ❖ To develop the student's problem solving ability in the following areas: chemical formulas and equations, gases and the mole, reaction rates, and oxidation-reduction, molecular geometry and organic chemistry.

ENVIRONMENTAL SCIENCE

Grades 11 - 12

Elective

1 Trimester

½ Credit

Prerequisite:

Biology

Objectives:

- ❖ To become familiar with the various terrestrial and aquatic ecosystems and the plants and animals which inhabit them.
- ❖ To learn about the biological and physical cycles which dictate life within an ecosystem.
- ❖ To arrive at practical solutions for the protection of these ecosystems.

INVERTEBRATE ZOOLOGY

Grades 10-12

Elective

1 Trimester

½ Credit

Prerequisite:

Biology

Objectives:

- ❖ To examine invertebrate taxonomy.
- ❖ To explain different invertebrate morphology (body systems/functions, shapes, and life cycles).
- ❖ To explore, collect, and create the environment/ecosystems that invertebrates are found.
- ❖ To maintain and improve lab safety techniques and collection ethics.
- ❖ To work within the community to explore the importance of invertebrate ecosystems within our area.
- ❖ To advance higher learning of those with interests in biology and to further explore topics seen in biology.

ADVANCED PLACEMENT PHYSICS

Grades 11-12

Elective

3 Trimesters

1½ Credits

Prerequisite:

Biology, Chemistry, Algebra 2 (enrollment in Precalculus or Calculus is recommended).

Note:

Because of the nature of this course, these are the guidelines followed when advising students considering Advanced Placement Physics:

- Realize that this is a college level course.
- Be prepared to move at a fast pace.
- Understand that extra work including outside class assignments will be required.
- Be prepared to learn how to use high-level math skills.

Objectives:

- ❖ To develop an in-depth understanding of the laws and principles governing the physical world (including studies of motions, forces, momentum, energy, work, waves, heat, light, electricity, and resolution).
- ❖ To prepare formal lab reports based on careful measurements and data analysis.
- ❖ To utilize algebra, geometry and trigonometry in problem solving.

PHYSICS HONORS

Grades 11-12

Elective

2 Trimesters

1½ Credits

Prerequisite:

Biology, Chemistry, Algebra 2 (enrollment in Precalculus or Calculus is recommended).

Objectives:

- ❖ To develop an in-depth understanding of the laws and principles governing the physical world (including studies of motions, forces, momentum, energy, work, waves, heat, light, electricity, and resolution).
- ❖ To prepare formal lab reports based on careful measurements and data analysis.
- ❖ To utilize algebra, geometry and trigonometry in problem solving.

INTRODUCTION TO SPORTS MEDICINE

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To develop an understanding of sports medicine's history and evolution
- ❖ To familiarize students with sports medicine careers
- ❖ To develop basic concepts and vocabulary associated with sports medicine
- ❖ To develop skills associated with injury prevention and management
- ❖ To develop skills assessing injury and illness
- ❖ To learn the process of injury healing and rehabilitation

SPORTS MEDICINE 2

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To anatomical structures of the Shoulder, Elbow, Hand, and Wrist
- ❖ To apply the basic fundamental of rehabilitation to specific injuries of the Shoulder, Elbow, Hand, and Wrist.
- ❖ To learn the necessary skills to effectively assess injuries and conditions of the Shoulder
- ❖ To learn the necessary skills to effectively assess injuries and conditions of the Elbow
- ❖ To learn the necessary skills to effectively assess injuries and conditions of the Hand and Wrist
- ❖ To familiarize students with the basic fundamentals of physical therapy and rehabilitation of common orthopedic injuries.

SPORTS MEDICINE 3

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To become an effective administrator of CPR/First Aid and AED in an emergency situation.
- ❖ To familiarize students with appropriately managing an emergency situation including hemorrhage, shock, musculoskeletal injuries and transportation.
- ❖ To educate students to recognize and treat injuries and illnesses as a result of weather conditions.
- ❖ To learn the necessary skills to effectively assess injuries and conditions of the head, neck and spine
- ❖ To learn the necessary skills to effectively assess injuries and conditions of the abdomen and thorax
- ❖ To recognize conditions associated with infection and skin disorders
- ❖ To recognize general and common illness
- ❖ To safely management and protect from Bloodborne Pathogens

UNITED STATES HISTORY Parts A and B

Grade 11

Required

2 Trimesters

1 Credit

Objectives:

- ❖ To survey United States history from 1850 to 1920.
- ❖ To survey United States history from 1920 to 1980.
- ❖ To develop the student's skill in using maps; interpreting charts, tables, diagrams, graphs, and timelines; and using primary and secondary historical sources.
- ❖ To develop skills necessary for writing historical compositions and historical critiques.
- ❖ To develop skills for taking an essay test.
- ❖ To stress current events regarding contemporary America.

ADVANCED PLACEMENT UNITED STATES HISTORY

Grade 11

Elective

3 Trimesters

1½ Credits

Note:

Students considering this course must:

- Realize this is a college level course.
- Be prepared to move at a fast pace.
- Understand extra work, including reading and outside class assignments, will be required.

Objectives:

- ❖ To give students a college experience in United States history.
- ❖ To study United States history in depth from 1400 to 1970.
- ❖ To find cause and effect relationships in the facts of United States history.
- ❖ To prepare students for the Advanced Placement exam.
- ❖ To sharpen students' skills in writing and document interpretation.

AMERICAN GOVERNMENT

Grade 10 – 12

Required

1 Trimester

½ Credit

Objectives:

- ❖ To complete a study of the origins of American Government
- ❖ To complete a study of the Declaration of Independence as well as an understanding of the US Constitution and the Amendments
- ❖ To get an understanding of the political process at the national level
- ❖ To complete a project with an emphasis upon national, state, and local governments
- ❖ To utilize speakers from the community involved in local government
- ❖ To get an understanding of the topics related to government as outlined in the Government syllabus

ADVANCED PLACEMENT UNITED STATES GOVERNMENT

Grade 10-12

Elective

2 Trimesters

1 Credit

Note:

AP Government will be taught the second and third trimesters. It will cover a variety of topics relating to government. Topics to be discussed in class will be the origins of American Government, political beliefs and behavior, political parties, interest groups, mass media, government institutions, public policy, and civil rights and liberties. Students will see how these institutions work together and how they check on each other.

Students will be required to read not only the textbook, but will have outside readings such as newspapers, journals, and using the internet for research. Students will also be required to participate in classroom discussions as well as complete projects that will be assigned during the course of their study. Students must realize that this is a college level class and we move at a fast pace going into some detail.

Objectives:

- ❖ Know important facts, concepts, and theories pertaining to US Government and politics
- ❖ Understanding typical patterns of processes and behavior and their consequences
- ❖ Be able to analyze and interpret basic data relevant to US Government and politics
- ❖ Be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum

These objectives were taken from the AP US Government and Politics Workshop Handbook approved by the College Board

EGYPTIAN HISTORY

Grades 10-12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To introduce students to a different world and system of beliefs
- ❖ To study Ancient Egypt and its culture including Old, Middle, and New Kingdoms
- ❖ To study the Pharaohs and their life in Egypt
- ❖ To understand Egyptian art, symbols, and religion
- ❖ To study the Egyptian mythology
- ❖ To study the burial procedures of Ancient Egypt

GEOGRAPHY

Grades 9 - 12

Required

1 Trimester

½ Credit

Objectives:

- ❖ To study the physical geography of the world.
- ❖ To identify geography skills such as map reading, topography, and land location.
- ❖ To understand the relationship between the land and the people who live on the land.
- ❖ To understand political, economic, and social significance of each country taught

LAW AND JUSTICE

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To describe the trial process.
- ❖ To explain the differences between civil and criminal laws and between civil and criminal trials.
- ❖ To describe the rights of a person accused of crimes and identify defense charges of criminal conduct.
- ❖ To show the history and current issues revolving around capital punishment
- ❖ To have an understanding of both family and consumer law

PSYCHOLOGY

Grades 11 - 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To introduce students to the historical development of psychology.
- ❖ To introduce students to the cognitive processes of learning, memory, and thought.
- ❖ To introduce students to the physiological bases of behavior including the brain and nervous system.
- ❖ To introduce students to the topics of motivation and emotion.
- ❖ To introduce students to the topic of altering consciousness by thought, sleep, hypnosis, and chemical substances.
- ❖ To introduce the topic and methods of stress management and positive mental health.
- ❖ To introduce the topics of neurosis and psychosis.

ADVANCED PLACEMENT PSYCHOLOGY

Grade 12

Elective

3 Trimesters

1½ Credits

Note:

Students considering this course must:

- Realize this is a college level course.
- Be prepared to move at a fast pace.
- Understand extra work, including reading and outside class assignments, will be required.
- Have a sincere interest in psychology.
- Be able to work independently with minimal supervision.

Objectives:

- ❖ To give students a college experience in psychology.
- ❖ To study the historical development of psychology.
- ❖ To study the basics of research, experimentation, and descriptive statistics.
- ❖ To study cognitive processes such as learning, memory, and thought.
- ❖ To study the biological bases of behavior including the brain and nervous system.
- ❖ To study motivation and emotions.
- ❖ To explore the alteration of consciousness, including chemical and non-chemical methods such as hypnosis and sensory deprivation, sleeping and dreaming.
- ❖ To study personality theory.
- ❖ To study the breakdown of the personality, neuroses, and psychoses.
- ❖ To prepare for the Advanced Placement exam.

SOCIOLOGY

Grade 12

Elective

1 Trimester

½ Credit

Objectives:

- ❖ To define and understand peer pressure.
- ❖ To present topics of social interest such as alcohol abuse, coping with the aged, and coping with death.
- ❖ To explore students' understanding of relationships.
- ❖ To understand cultural differences
- ❖ To develop a Resume and simulate a job interview

CIVIL WAR

Grades 10-12

Elective

1 trimester

½ credit

Objectives:

- ❖ To describe Northern and Southern views on slavery
- ❖ To discuss the effects of the Compromise of 1850
- ❖ To summarize the significance of the election of 1860
- ❖ To describe the weapons and technology during the Civil War
- ❖ To explain the advantages and strategies for North and South
- ❖ To explain the importance of the Emancipation Proclamation
- ❖ To explain how Gettysburg and Vicksburg changed the war
- ❖ To assess the impact of governmental programs for freedmen and racial terrorism in the South during the Reconstruction era

CURRENT EVENTS

Grades 10-12

Elective

1 trimester

½ credit

Objectives:

- ❖ To help students use newspapers, which will help them on standardized tests
- ❖ To use newspapers to help them be effective readers
- ❖ To use newspapers to help students learn vocabulary
- ❖ To increase students' awareness and interest in current events
- ❖ To learn names of local governments and the personnel
- ❖ To become familiar with states and their important topics

CHILD DEVELOPMENT

Grades 11-12

Elective

1 trimester

½ credit

Notes:

The course is a study of the physical, cognitive, and socio-economic development of children from conception to age 4. Also to learn the responsibilities of parenthood.

Objectives:

- ❖ To learn what to expect in terms of growth, behavior, and development during a child's first year of life
- ❖ To explain a yearly guide to ages one through five with practical advice for dealing with sleeping, toilet training, and temper tantrums
- ❖ To alert students to potential medical problems at each stage
- ❖ To educate students on "Safety check" reminders for home, outdoors, and car travel
- ❖ To provide a discussion of family issues-from grandparents and siblings to working mothers and single parenting

EARLY AMERICAN HISTORY

Grades 10-12

Elective

1 trimester

½ credit

Objectives:

- ❖ To survey United States History from 1492-1850
- ❖ To examine the colonial system, its development and its disintegration
- ❖ To understand the causes and effects of American wars
- ❖ To understand the development of the early states and the constitution
- ❖ To examine the causes of westward expansion

ECONOMICS

Grades 11-12

Elective/Required

1 trimester

½ credit

Note:

This course may be used to fulfill ½ credit of the social studies requirement for graduation.

Objectives:

- ❖ To understand the fundamental concepts of both micro, macro, and international economics
- ❖ To understand the meaning of economics
- ❖ To examine the concepts of supply and demand
- ❖ To understand the process of financing a business, and free enterprise
- ❖ To understand consumers, savers, and investors, and their role in the economy

KENTUCKY HISTORY

Grades 9-10

Elective

1 trimester

½ credit

Objectives:

- ❖ To get an understanding of the geographical regions of Kentucky
- ❖ To understand the diversity of cultures from region to region
- ❖ To utilize the writings of Thomas Clark and Alan Eckart
 - "History of Kentucky"
 - "Frontiersman"
- ❖ To introduce students to local history
- ❖ To introduce students to the make-up of Kentucky government

VOCATIONAL SCHOOL

The primary purpose of the area technology center is to serve wish school students by enhancing and expanding student career options that lead to continuation of education at the postsecondary level and/or successful employment upon graduation from high school. The role of the area technology center is vital in the overall scheme of economic development and provides an additional avenue fro business and industry personnel to be trained. It is ideal that students begin the vocational school process as juniors in high school; however, some areas will allow students to start during the senior year.

We participate with the C.E. McCormick Area Technology Center in Alexandria Kentucky.

AUTO BODY REPAIR I AND II

Grades: 11 and 12

Elective

6 Trimesters

3 Credits

Note:

The Auto Body program **must** be started in the junior year of high school.

Objectives:

- ❖ From repairing small dents to rebuilding the bodies of wrecked or damaged vehicles, this program maintains commercial standards.
- ❖ Students are taught the types of materials used in filler compound, the colors and chemical make-up of paints, welding and cutting procedures, design and installation of trim, cost estimating and preparation for finish work.
- ❖ All skills applies in actual jobs performed in shop assignments.

AUTOMOTIVE TECHNOLOGY I AND II

Grades: 11 and 12

Elective

6 Trimester

3 Credits

Note:

The Automotive Technology program **must** be started in the junior year of high school.

Objectives:

- ❖ Instruction in systems such as engine performance, electricity, on-board computers, steering, suspension and brakes is the basis of this program.
- ❖ Knowledge of the various systems is used to develop skills in troubleshooting, performing preventative maintenance, servicing and repairing automobiles.

CARPENTRY I AND II

Grades: 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ This program is designed to prepare students for employment in the residential and commercial construction industry. Students are involved in blueprint reading, layout, fabrication, foundation, walls, floors, ceilings, and roofs of structures.
- ❖ Students will use several forms of materials such as wood, metal, plastics, fiberglass, Styrofoam, and concrete in the construction process.
- ❖ Training will emphasize instruction in the care and safe use of hand and power tools.

COMPUTER AIDED DRAFTING I AND II

Grades: 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The skills required to transform the specifications and instructions of designers or engineers into complete and precise drawings are the focus of this program.
- ❖ Components of instruction include lettering, geometries, construction, orthographic projections, dimensioning and tolerancing.

ELECTRICAL TECHNOLOGY I AND II

Grades 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The Electrical Technology program focuses on preparing students for entry-level electrician positions in industry and the building trades.
- ❖ Electrical Technology provides experiences in layout, assembly, installation, testing, maintenance of electrical circuits, apparatus and residential wiring. Training involves electrical theory and electrical codes current in industry.

HEALTH SCIENCES I AND II

Grades 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The Health Sciences program provides the secondary student with orientation, exploration, and preparation into the health care industry.
- ❖ Courses are sequenced to provide continuous student progress toward achievement of a certificate.
- ❖ The integration of mathematics, science, communication and technical knowledge is a vital component of each course offering.
- ❖ The program is designed for students who desire entry level training and/or plan to enroll in a post secondary program in one of many occupational areas in the health field.

INFORMATION TECHNOLOGY I AND II

Grades 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The Information Technology program provides the concepts and skills needed to diagnose and repair personal computers and design, set up, maintain and expand networked computer systems.
- ❖ The program is designed to prepare students to take industry recognized certification examinations.
- ❖ Employment opportunities include entry-level positions in computer repair and network administration.
- ❖ Students will need basic computer skills plus grade level reading and math skills prior to entering this program.

MASONRY I AND II

Grades 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The Masonry Program prepares students for employment in the masonry field.
- ❖ Students obtain experience in constructing foundations, walls and other structures using blocks, bricks. And other masonry materials.
- ❖ Training includes reading architectural plans, planning and estimation of the job materials and labor costs.

WELDING I AND II

Grades 11 or 12

Elective

6 Trimesters

3 Credits

Objectives:

- ❖ The Welding program prepares students for industry or other job related fields.
- ❖ Welding students are presented with the knowledge to weld various types of metal using several methods and processes.
- ❖ Students are trained in layout, blueprint reading, work orders, job site safety, and estimating materials for the job.