



## Owensboro Catholic High School

### Program of Studies

2011-2012

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### MISSION STATEMENT

The Owensboro Catholic Schools share in the mission of the Church, in cooperation with families, to provide a religious and academic education which prepares students to become responsible members of family, Church, and community.

### PHILOSOPHY

We, at Owensboro Catholic High School, believe that each person is sacred and individual, and both called and destined by God for continued growth of all his or her faculties, abilities and awarenesses, both spiritual and material.

We believe, therefore, that it is the primary responsibility of the school to create a truly Catholic environment in which each student is afforded the opportunity to become aware of his or her own worth and be inspired to seek fulfillment in all levels of his or her existence.

## **AGRICULTURE**

Ag Machines 702  
Agriscience 701  
Plant Science 705  
Equine Science 736  
Horticulture 703  
Wildlife Management 700

## **BUSINESS**

Accounting I 717  
Accounting II 720  
Business Law 714  
Business Principles 711  
Career Development 713  
Career Internship 719  
Computer Inf Sys H 726  
Computer Inf Sys CP 727  
Computer Basics 710  
Computer Tech 760  
Internet Research 715  
Marketing 716

## **ENGLISH**

English 9 Reg 010  
English 9 CP 011  
English 9 Honors 012  
English 10 Reg 020  
English 10 CP 021  
English 10 Honors 022  
English 11 Reg 030  
English 11 CP 031  
English 11 Honors 032  
English 12 Reg 040  
English 12 CP 041  
English 12 Honors 042  
English 12 AP 043  
Creative Writing CP 023  
Creative Writing Honors 033  
Film Exploration 024  
Holocaust Studies 029  
Journalism 036  
Media 025  
Mythology 026  
Oral Communication 027  
Poetry 034  
Shakespearean Comedies 035  
Theater Arts 037  
Victorian Studies 038

## **FAMILY AND CONSUMER SCIENCES**

Adult Living 723  
Housing Environments 724  
Life Skills 722  
Nutritional Science & Food  
Management 725  
Personal Enrichment 721

## **FINE ARTS**

Art II 523  
Art III 530  
Art IV 541  
Art Appreciation 521  
Band I 511  
Band II 524  
Choral Music 512  
General Art 510  
Humanities 520  
Music Appreciation 522  
Music History 531  
Theory of Music 525  
Yearbook 540

## **FOREIGN LANGUAGE**

French I Honors 412  
French II Honors 422  
French III Honors 431  
French AP 441  
French V 443  
German I Honors 413  
Latin I Honors 423  
Spanish I CP 410  
Spanish I Honors 411  
Spanish II CP 420  
Spanish II Honors 421  
Spanish III Honors 430  
Spanish IV Honors 449  
Spanish AP 440

## **MATHEMATICS**

Algebra I A Reg 110  
Algebra I A CP 111  
Algebra I B Reg 120  
Algebra I B CP 121  
Algebra I Honors 112

Geometry Reg 130  
Geometry CP 131  
Geometry Honors 122  
Algebra II Reg 124  
Algebra II CP 140  
Algebra II Honors 132  
Algebra III CP 141  
Pre-Calculus CP 134  
Pre-Calculus Honors 133  
Discrete Math CP 145  
Calculus AP 144

### **NATURAL SCIENCE**

Integrated Science I 210  
Integrated Science II 220  
Integrated Science III 230  
IPS CP 211  
IPS Honors 212  
Biology CP 221  
Biology Honors 222  
General Biology AP 243  
Chemistry CP 231  
Chemistry Honors 232  
Anat & Physiology CP 240  
Anat & Physiology Hon 241  
Conceptual Physics 242  
Earth Science 223  
Forensic Science CP 237  
Forensic Science Hon 238  
Space Science 224

### **PHYSICAL EDUCATION**

Health & PE 751  
Driver Ed 733  
Physical Education II 731  
Weight Training 732

### **RELIGION**

Introduction to Catholicism 610  
Understanding The Scriptures 620  
The History of The Church 630  
Our Moral Life in Christ 640  
Church & Social Issues/CIA 650  
Grief Psychology 339

### **SOCIAL STUDIES**

Economics CP 320

Economics Honors 321  
Government CP 322  
Government Honors 323  
US History CP 330  
US History Honors 331  
US History AP 332  
World Civilization CP 340  
World Civilization Honors 341  
Criminology 335  
European History 325  
Fifties History 326  
Geography CP 310  
Geography Honors 311  
History of Middle East 324  
Psychology 333  
Psychology II 342  
Sixties History 329

### **OTHER COURSES**

Study Hall 999

### **TECHNICAL SCHOOL**

See page 30

**LEVEL 0**

Calculus AP  
 English 12 AP  
 French AP  
 General Biology AP  
 Spanish AP  
 US History AP

**LEVEL I**

Accounting I  
 Accounting II  
 Algebra I Honors  
 Algebra II Honors  
 Anat & Physiol Hon  
 Band II  
 Biology Honors  
 Career Internship  
 Chemistry Honors  
 Ch & Social Issues/CIA  
 Computer Inf Systems H  
 Conceptual Physics  
 Creative Writing Honors  
 Earth Science  
 Economics Honors  
 English 9 Honors  
 English 10 Honors  
 English 11 Honors  
 English 12 Honors  
 European History  
 Fifties History  
 Forensic Science Hon  
 French I Honors  
 French II Honors  
 French III Honors  
 French V Honors  
 Geography Honors  
 Geometry Honors  
 German I Honors  
 Government Honors  
 Grief Psychology  
 History of Middle East  
 Humanities  
 Intro to Teacher Education  
 IPS Honors  
 Journalism  
 Latin I Honors  
 Plant Science  
 Poetry

Pre-Calculus Hon  
 Psychology  
 Psychology II  
 Shakespearean Comedies  
 Sixties History  
 Space Science  
 Spanish I Honors  
 Spanish II Honors  
 Spanish III Honors  
 Spanish IV Honors  
 Theater Arts  
 US History Honors  
 Victorian Studies  
 World Civ Honors  
 Yearbook

**LEVEL II**

Adult Living  
 Agricultural Machines  
 Agriscience  
 Algebra I A CP  
 Algebra I B CP  
 Algebra II CP  
 Algebra III CP  
 Anat & Physiol CP  
 Art II  
 Art III  
 Art IV  
 Art Appreciation  
 Band I  
 Biology CP  
 Business Law  
 Business Principles  
 Career Development  
 Chemistry CP  
 Choral Music  
 Computer Inf Sys CP  
 Computer Basics  
 Computer Tech  
 Creative Writing CP  
 Criminology  
 Discrete Math CP  
 Driver Ed  
 Economics CP  
 English 9 CP  
 English 10 CP  
 English 11 CP  
 English 12 CP  
 Equine Science

Film Exploration  
 Forensic Science CP  
 General Art  
 Geography CP  
 Geometry CP  
 Government CP  
 Health & PE  
 Holocaust Studies  
 Horticulture  
 Housing Environments  
 Internet Research  
 Intro to Catholicism  
 IPS CP  
 Life Skills  
 Marketing  
 Media  
 Music Apprec  
 Music History  
 Mythology  
 Nutr & Food Mgmt  
 Oral Commun  
 Our Moral Life in Christ  
 Personal Enrichment  
 Pre-Calculus CP  
 Spanish I CP  
 Spanish II CP  
 The History of The Church  
 Theory of Music  
 Understanding Scriptures  
 US History CP  
 Wildlife Management  
 World Civ CP

**LEVEL III**

Algebra I A Reg  
 Algebra I B Reg  
 Algebra II Reg  
 English 9 Reg  
 English 10 Reg  
 English 11 Reg  
 English 12 Reg  
 Geometry Reg  
 Int Science I  
 Int Science II  
 Int Science III  
 Physical Ed II  
 Weight Training

## GENERAL INFORMATION

Within the broad limits of state requirements, this Program of Studies, as a guiding instrument, is to be as flexible as may be necessary in attempting to meet the needs of every student. The several curricula are set up as guides for a wide selection of learning experiences, not as narrow, restricted lanes or tracts of study.

From the time each student enters high school, every effort is made to discover his interests, aptitudes, and abilities--for wise program planning and adjustments in order to meet graduation requirements and life goals.

All students will be required to carry a normal load of at least seven credits each semester. Exceptions to this policy require approval from the principal.

Grading scale:

A	93 - 100
B	85 - 92
C	77 - 84
D	70 - 76
F	0 - 69

Point scale for calculating Grade Point Average (GPA):

NOTE: GPA is calculated on semester grades only

A	4.0
B	3.0
C	2.0
D	1.0
F	0.0

Honor Roll points and Quality points granted for each level:

NOTE: Honor Roll is calculated on quarter grades only.

Quality points are calculated on semester grades only and are used to determine rank in class.

	LEVEL 0	LEVEL I	LEVEL II	LEVEL III
A:	7	6	5	4
B:	6	5	4	3
C:	5	4	3	2
D:	4	3	2	1
F:	0	0	0	0

## DIPLOMAS

Owensboro Catholic High offers three levels of diplomas: the Standard High School Diploma, the College Preparatory Curriculum Diploma, and the Honors Curriculum Diploma. Below are listed the minimum requirements for each.

### STANDARD HIGH SCHOOL DIPLOMA

Religion	4
English 9, 10, 11, 12, all Reg	4
Math (Alg I A, Alg I B, Geom, Alg II, all Reg)	4 (yr 2012, 2013)
Math (Alg I A, Alg I B, Geom, all Reg)	3 (yr 2011)
Science (Int Sci I & II, III)	3
Social Studies (Govt, Econ, US Hst, Wld Civ)	3
Fine Arts (Music, Art Appreciation)	1
Health & PE	1
Computer Basics	1/2
Personal Enrichment	1/2
Total including electives:	26

### COLLEGE PREPARATORY CURRICULUM DIPLOMA

This diploma's requirements satisfy Kentucky's Pre-College Curriculum, which is the minimum required for admission to any state-supported four-year college in Kentucky. The colleges are each free to impose additional requirements, and most do have some additional coursework, GPA, or ACT requirements of their own.

Religion	4
English 9, 10, 11, 12; all CP	4
Math (Alg I A CP, Alg I B CP, Geom CP & Alg II CP)	4
Science (IPS CP, Bio CP, Chem CP)	3
Social Studies (Govt CP, Econ CP, US Hst CP, Wld Civ CP)	3
Fine Arts (Humanities or Music, Art Appreciation)	1
Health & PE	1
Computer Basics	1/2
Personal Enrichment	1/2
Foreign Language (both years of same language)	2
Total including electives:	26

#### **Recommended additional coursework:**

An additional year of science and social studies.

## HONORS CURRICULUM DIPLOMA

This diploma is Owensboro Catholic's very best preparation for college, provided the student is capable of the coursework.

Religion	4
English 9, 10, 11, 12; all Honors	4
Math (Alg I Hon, Geom Hon, Alg II Hon all required; <b>one other math course</b> )	4
Science (IPS Hon, Bio Hon, Chem Hon)	3
Social Studies (Govt Hon, Econ Hon, US Hst Hon, Wld Civ Hon)	3
Humanities	1
Health & PE	1
Foreign Language (Honors level only and both years of the same language)	2
Computer Basics	1/2
Personal Enrichment	1/2
Total including electives and no sem failures	29

## THE ADVANCED PLACEMENT AND COMMONWEALTH DIPLOMA PROGRAMS

Advanced Placement (AP) is a national program whereby a student may take an AP course in high school and then take an AP test over the material covered in that class. If the student achieves a specified score on the test, he or she may transfer college credit to specific colleges. The cost per test is \$100.00. OCHS offers the following AP courses:

<b>CLASS</b>	<b>TEST</b>
English 12 AP	English Lit and Comp
Calculus AP	Calculus AB
US History AP	American History
General Biology AP	Biology
French AP	French Language
Spanish AP	Spanish Language

The Commonwealth Diploma is a Kentucky state diploma that requires that a student fulfill the following.

1. Successfully complete at least 22 approved credits, including all of the requirements for high school graduation.
2. Successfully complete the requirements of Kentucky's Minimum Pre-College Curriculum.
3. Successfully complete at least four AP courses (receive a grade of C or better in each course).
  - a. English AP
  - b. Spanish AP or French AP
  - c. Biology AP or Calculus AP
  - d. One additional AP course
4. Complete examinations in at least three of the four required AP courses.

The student is required to pay the cost of the AP exams involved, which is \$100.00 per test.

## COURSE DESCRIPTIONS

### ----- AGRICULTURE DEPARTMENT

**AGRICULTURAL MACHINES 702 (10, 11, 12) (1<sup>st</sup> sem)      level II, one semester**

Machines used in Agriculture production are explored. The internal combustion engine is studied and farm safety is stressed. Electric wiring and a woodworking project will be completed. Membership in FFA is encouraged. Fall semester only.

**AGRISCIENCE 701 (9, 10)**

**level II, one year**

This course is a science-based introduction to Agriculture in the United States and around the world. Membership in FFA is strongly recommended.

**Plant/ Crop Science 705 (11, 12)**

**level I, one year**

This course is a Discover College course. Upon completion the student will receive 3 hours of credit through KCTC-O, which will transfer to all public Kentucky colleges. Course of study includes instruction on plant/crop production in the US and the impact it has on the food industry.

**Offered alternating years with Animal Science.**

**EQUINE SCIENCE 736 (10, 11, 12)**

**level II, one semester**

Instruction in this course focuses on the Horse Industry in the United States.

**HORTICULTURE 703 (10, 11, 12) (2<sup>nd</sup> sem)**

**level II, one semester**

Greenhouse production, landscape design, and floral design are explored. Crop production may be incorporated if requested and time permits. Membership in FFA is encouraged.

**WILDLIFE MANAGEMENT 700 (10, 11, 12) (1<sup>st</sup> sem)**

**level II, one semester**

Students will explore the aspects of wildlife conservation and maintenance. They will investigate Kentucky's wildlife tourism including hunting, fishing, hiking, and camping.

### ----- BUSINESS DEPARTMENT

**ACCOUNTING I 717 (11, 12)**

**level I, one year**

This course is designed to teach the principles of a double entry system. The course acquaints students with various financial statements and business practices for service and merchandising businesses. Other topics include the handling of payroll, banking, and income taxes. Most work is done manually, however an automated accounting software program is used to supplement the coursework.

**ACCOUNTING II 720 (12)**

**level I, one semester**

This course introduces accounting practices for a corporation. Topics include depreciation, accrued revenue, dividends, and various other business practices associated with corporations. Most work is done manually, however an automated accounting software program is used to supplement the coursework.

Prerequisite: Must have completed Accounting I with at least a "B" average.

**BUSINESS LAW 714 (11, 12)****level II, one semester**

This course includes a study of the origins of American laws, the court system, the law and teenagers, contracts, employment laws and types of laws. Students are expected to complete a research assignment outside of class each quarter.

**BUSINESS PRINCIPLES 711 (9, 10)****level II, one year**

This course is a study of basic business terminology and operations. Students will learn about day-to-day business decisions, ethics, and business activities. Students will be challenged to plan an event, develop a product, market their goods, create a budget, and manage their resources.

**CAREER DEVELOPMENT 713 (10, 11, 12)****level II, one semester**

This course surveys a variety of occupational areas. Students develop personal profiles through resume writing, career interest exploration, mock interviewing, and completing application forms. Students will visit various local businesses to gain firsthand knowledge of possible career opportunities. The goal is to empower students to make informed decisions about their future careers.

**CAREER INTERNSHIP 719 (12)****level I, one semester**

Open to seniors only who are college bound. This course allows an opportunity to research career options and to do active fieldwork in businesses or professional settings. Research, oral and written presentations are also major components of this course. \*Must provide own transportation. Prerequisite: instructor approval with application and two teacher references.

**COMPUTER INFORMATION SYSTEMS 726 (10, 11, 12)****level I, one year**

Participants of this class will learn basic concepts in computer programming by creating simple games using Visual Basic. Video design and editing are introduced and will support school wide media activities. Enhance your computer applications knowledge using new Microsoft 2010 skills. Time permitting, basic web page design will be introduced.

**COMPUTER INFORMATION SYSTEMS 727 (10, 11, 12)****level II, one year**

Participants of this class will learn basic concepts in computer programming by creating simple games using Visual Basic. Video design and editing are introduced and will support school wide media activities. Enhance your computer applications knowledge using new Microsoft 2010 skills. Time permitting, basic web page design will be introduced.

**COMPUTER BASICS 710 (9)****level II, one semester**

This course consists of an introduction to the keyboard. The use of Word, Excel, Access, Power Point, and Publisher are also introduced. Power Point presentations are made in the media room. All other work is done in the computer lab.

**COMPUTER TECH 760 (11,12 )****level I, one year**

This is a "hands-on" class where students learn by doing. Students are expected to be self-motivated. Students will learn some basic computer troubleshooting, networking concepts, video editing, and hardware and software computer repairs. Students will be required to attend a weekly class at 7:30 am and a week long training before school starts in August.

Prerequisite: instructor approval with application and two teacher references and a cum GPA of 3.0.

**INTERNET RESEARCH 715 (11, 12)**

**level II, one semester**

This course is designed to familiarize students with the Internet. Besides going on line the students will also learn the history of the Internet. Students will be required to complete a series of research projects on the Internet.

Assignments will consist of such projects as researching the best colleges to attend, making travel arrangements, and researching a career.

Prerequisite: Computer Basics.

**MARKETING 716 (10, 11, 12)**

**level II, one semester**

Areas of study include forms of business ownership, relationship of business to the community, government regulations and their effect on business, store locations, and strategies used to market and sell products to consumers.

----- **ENGLISH DEPARTMENT**

All students will be required to take four units of English for graduation. All four units must come from the following core curriculum:

GRADE	LEVEL I	LEVEL II	LEVEL III
9	Eng 9 Honors	Eng 9 CP	Eng 9 Reg
10	Eng 10 Honors	Eng 10 CP	Eng 10 Reg
11	Eng 11 Honors	Eng 11 CP	Eng 11 Reg
12	Eng 12 Honors *Eng 12 AP	Eng 12 CP	Eng 12 Reg

\* In addition, the department offers English 12 AP, a level 0 class for which an additional point is awarded for all grades on honor roll and rank.

Students should generally limit themselves to one of the three groups of courses. Level I courses are designed for students who are college bound and wish to have a strong background in both literature and composition at the time they enter college. Level II courses will afford necessary preparation for college. Level III courses are for those students who need to bolster basic skills in the language arts.

No electives outside this core curriculum will count as required English credit.

All students in English classes will be participating in the writing process now being used in the State of Kentucky. They will be keeping samples of their writing in folders and will, in turn, compile a writing portfolio which will be assessed using KERA's performance levels of novice, apprentice, proficient and distinguished.

In keeping with the 1998 guidelines of the Kentucky Education Reform Act, all students will compile a portfolio in each English class, 9, 10, 11, 12. The English IV portfolio will be scored by a team, the others will be scored by the English teacher. Each student in English 9, 10, 11, 12 will also write a research paper as assigned by the individual English teacher. Both of these are a requirement for passing the individual English class. No senior will be able to graduate without a completed portfolio.

**ENGLISH 9 REGULAR 010 (9)****level III, one year**

This course is required for that student whose entrance scores show that he is below grade level in reading and language meaning, reading speed, recall and comprehension. It involves strengthening literary skills, vocabulary skills, speaking and writing abilities, comprehension and critical thinking.

**ENGLISH 9 CP 011 (9)****level II, one year**

This course deals with literature (short story, poetry, novel, nonfiction, drama, prose works), composition and grammar--with extra concentration given to the basics of grammar. A unit on library skills and study skills will be included.

**ENGLISH 9 HONORS 012 (9)****level I, one year**

This course deals with literature, composition, and grammar, as does the level II English. But here more concentration is on composition. This course also includes a more in-depth study of grammar and literature. This class will progress at a faster pace than the other two freshman English classes. It is strongly recommended that students going into this class have good preparation in grammar and good study habits.

Prerequisite: a recommendation by the eighth grade English teacher.

**ENGLISH 10 REGULAR 020 (10)****level III, one year**

This course is designed primarily for the student who as a freshman took English I Regular. The course focuses on an appreciation of various forms of literature and continues an emphasis on improving skills and usage.

**ENGLISH 10 CP 021 (10)****level II, one year**

This course is designed to illustrate the literary techniques found in the short story, personal essay, poetry and drama. Work in composition and grammar is included.

**ENGLISH 10 HONORS 022 (10)****level I, one year**

This course is an advanced literature and writing course geared to follow English I Honors. Study in literary analysis in both the written and oral language will be stressed.

Prerequisite: "A" average in a level II or "B" average in a level I English course.

**ENGLISH 11 REGULAR 030 (11)****level III, one year**

This course will concentrate on the improvement of reading while concentrating also on some of the more famous American writers, stories, and themes. It will emphasize listening, speaking and sequencing skills in preparation for written expression.

**ENGLISH 11 CP 031 (11)****level II, one year**

This course is designed to introduce the junior student to the study of American literature. This study is chronological, with emphasis on the interrelated courses that helped to produce a literature of America. Major authors are read from each age, with emphasis on their unique literary contributions.

**ENGLISH 11 HONORS 032 (11)****level I, one year**

The approach of this class is designed to offer the student an awareness of the development of American literature through a study of the various periods and philosophies. Material will include samples from the eras between 1600 and 1960. A unit on writing a term paper will be taught.

Prerequisite: "A" in a level II or "B" in a level I English class.

**ENGLISH 12 REGULAR 040 (12)****level III, one year**

This course will concentrate on improvement of reading while focusing on the more famous English writers, stories and themes. The course will assist students in the improvement of written expression skills. Included are written explanations, friendly letters and beginning compositions. Emphasis will continually be placed on individual reading and spelling skills.

**ENGLISH 12 CP 041 (12)****level II, one year**

This course deals with the development and study of English literature (poetry, short story, novel, nonfiction, drama, prose works), as well as composition, the term paper, grammar and vocabulary.

**ENGLISH 12 HONORS 042 (12)****level I, one year**

This course is designed to study the historical development of English literature through the various periods from the Anglo-Saxons to the twentieth century. Students will be required to analyze and interpret literature as well as apply literary terms. A unit on the research paper will be included.

Prerequisite: "A" in a level II or "B" in a level I English class.

**ENGLISH 12 AP 043 (12)****level 0, one year**

This course is designed to prepare students for taking the AP test in English Literature and Composition. Along with covering the historical development of English literature from the Anglo-Saxon to the twentieth century, the class will emphasize analysis through the use of open-ended questions and expository composition.

Prerequisite: students will be recommended for this course by the English Department faculty based upon their performance on the PSAT test.

**CREATIVE WRITING CP 023 (10, 11, 12)****level II, one semester**

A concentration on creative writing as a means of improving writing skills for portfolio preparation.

**CREATIVE WRITING HONORS 033 (10, 11, 12)****level I, one semester**

A concentration on creative as opposed to analytical writing to add another dimension to the portfolio preparation.

**FILM EXPLORATION 024 (10, 11, 12)****level II, one semester**

The study of film as an art form and an expression of literature. It will involve classic films, dramas, comedies, suspense, westerns, and the history of filmmaking.

**HOLOCAUST STUDIES 029 (10, 11, 12)****level II, one semester**

This course is designed to explore Holocaust literature of WWII (novels, short stories and poetry) with a special emphasis on young people who experienced and survived the times by hiding with families, avoiding capture or being sent to the concentration camps.

**JOURNALISM 036 (10, 11, 12)****level I, one year**

This course is designed to teach the fundamentals of newspaper production. Emphasis is placed on communicating ideas through writing, photography, layout design and art work--via the newspaper. It is a combination of methodology and practical application. The end result is a product, the school newspaper.

Prerequisite: instructor approval with application and current English teacher reference.

**MEDIA 025 (10, 11, 12)****level II, one semester**

This course is designed to teach the structure and function of the various mass media. It will include newspapers, magazines, TV, radio and will focus on how we are influenced by the media. Students will produce commercials, news broadcasts, do public speaking, etc. by means of group projects and individual work. The media course should help the student to become a more critical and analytical consumer of the mass media.

**MYTHOLOGY 026 (10, 11, 12)****level II, one semester**

A study of the history and myths of Greece and Rome. There will be an emphasis on the impact of these groups on modern literature, art, architecture, religion and languages.

**ORAL COMMUNICATION 027 (10, 11, 12)****level II, one semester**

The goal of this course is self-confidence in speaking before a group. The student prepares and gives speeches, listens to other students, and hears comments and an analysis by the teacher on each performance. This class includes training in small group relationships, listening skills and non-verbal communication. Improved diction, satisfaction, and self-confidence result.

**POETRY 034 (10, 11, 12)****level I, one semester**

This course will explore poetry as a genre and will feature exploring all types of poetry and will conclude with poetry writing.

**SHAKESPEAREAN COMEDIES 035 (10, 11, 12)****level I, one semester**

A course with a concentration on four Shakespeare comedies, such as **Much Ado About Nothing** and **The Taming of the Shrew**. This would allow for discussion beyond the tragedies which are a part of the regular curriculum.

**THEATER ARTS 037 (10, 11, 12)****level I, one semester**

Theater arts will offer students especially interested in drama the opportunities to learn the basics of theater production such as blocking, lighting, set design, make-up and costuming; to study examples of world drama; and to portray characters from those dramas.

**VICTORIAN STUDIES 038 (10, 11, 12)****level I, one semester**

The study of the Victorian novels and short stories in England and America with special emphasis on historical perspective.

----- **FAMILY AND CONSUMER SCIENCES**

**ADULT LIVING 723 (10, 11, 12)****level II, one semester**

This course is designed to allow students to explore skills they will use in adult life. The goal of this class is to help students prepare for the future. Adult Living is a course, which includes goal setting, career preparation, resumé writing, communicating effectively, managing money, meal planning, and design basics.

**HOUSING ENVIRONMENTS 724 (10, 11, 12)****level II, one semester**

This course is designed for students to learn architectural history, basic construction methods and materials, elements of design, furnishings and drafting basics.

**LIFE SKILLS 722 (9, 10)****level II, one year**

This course is designed to allow students to explore their full potential. The goal of this class is to give students the skills they need to prepare for the future. Life Skills is a course, which includes goal setting skills, communication skills, career preparation, managing time wisely, food preparation, and manners. Students will further their life skills, and learn basic skills for their future.

**NUTRITIONAL SCIENCE/FOOD MNGMNT 725 (10-12) level II, one semester**

This course is designed to give the student an understanding of the major nutrient classes and their relationship to food, the function of food in the human body and food selection and preparation. Laboratory experience is provided.

**PERSONAL ENRICHMENT 721 (9)****level II, one semester**

This course is a comprehensive basic curriculum covering study skills, cooperative learning, time management, and careers. Also included is drug and alcohol awareness through the Smart Moves program.

----- **FINE ARTS DEPARTMENT**

**HUMANITIES 520 (10)****level I, one year**

The purpose of a humanities course is two-fold. Of first importance is the presentation of the ways man's uniqueness is shown through use of his God-given talents. Secondly, it presents the historical contexts in which the arts developed, and includes the creation and performance in various arts disciplines. Students will experience the creating process personally as well as through observation of the masterpieces of the various disciplines, including, but not limited to, sculpture, architecture, painting, philosophy, music, dance, drama, and film. Students are expected to attend symphony performances, visit the Art Museum and comment on local architecture.

Prerequisite: at least a "C" in English I Honors or a "B" in English I CP.

**VISUAL ART****ART II 523 (10, 11, 12)****level II, one sem or one year**

In this course the student will build upon the foundation developed in General Art. Students will explore various media with a more in-depth focus on design. During the second semester, students will build upon their design skill while working with clay. Students will learn different techniques such as: throwing, glazing, and firing.

Prerequisite: one full year of General Art.

**ART III/IV 530/541 (11, 12)****level II, one sem or one year**

This course is for students who are interested in a more advanced study in design. Students will explore the techniques learned in Art II in more depth. Second semester, students will build upon their knowledge of design to create windows made of stained glass. Art IV is an independent study where the student will produce 4 3'X5' acrylic canvases. Students will incorporate the knowledge of the past four years in their creations. Students will work closely with the art teacher on composition, style, and technique. This course may be taken 2 years for 2 credits.

Prerequisite: Art II.

**ART APPRECIATION 521 (10)****level II, one semester**

This course concentrates on the development of painting through the periods. Students will incorporate the styles of the period being studied. Explanation of the style, an introduction of artists from that period and drawings executed by the students will give the students an understanding of the different characteristics of each artistic period.

**GENERAL ART 510 (9, 10, 11, 12)****level II, one sem or one year**

This is an introductory art course designed to reacquaint students with the elements of design by applying various media, including pencil drawings, pen and ink and painting with watercolor. The course will also include art criticism, and teach students to develop an appreciation for art.

**YEARBOOK 540 (10, 11, 12)****level I, one year**

This course is designed to teach the fundamentals of yearbook production. Emphasis is on computer designed layout techniques, copy writing, creative design, photography and artwork. It is strongly recommended that students entering this class have good grammar skills and be familiar with using a computer.

Prerequisite: Instructor approval with application and recommendation of the current English teacher and Art teacher.

**MUSIC****BAND I 511 & II 524 (9, 10, 11, 12)****level I/II, one year**

This class combines instrumental music training as well as music theory and history. Marching band rehearsals will be held after school the first semester through October and the week before the Christmas Parade. Participation in the OCHS pep bands will be required each semester to receive credit. Level I status will be determined by meeting criteria set out for the advanced level as stated in the Grading System for Band Students policy.

**CHORAL MUSIC 512 (9, 10, 11, 12)****level II, one year**

This course is designed for students who desire to serve as music ministers during school and special Masses throughout the year (Sr. Ring Mass, Snowball Mass, Days of Recollection, etc.). This course will enable vocalists and musicians to become familiar with all aspects of liturgical celebrations. Students will be expected to fully participate in all practices and assist in the preparation work before Mass.

Prerequisite: students see instructor for application forms and audition appointments.

**MUSIC APPRECIATION 522 (10)****level II, one semester**

This course is a study of selected examples and composers of Western and World music. It includes listening skills, especially emphasizing the formal structure of music as an aid to continued growth in listening to and learning about music.

**MUSIC HISTORY 531 (9, 10, 11, 12)****level II, one year**

This is a survey of Western music and its relationship to music of other cultures. It is similar to Music Appreciation, except that it is more systematic and structured. The students develop knowledge of the evolution of musical styles.

**THEORY OF MUSIC 525 (9, 10, 11, 12)****level II, one semester**

This course begins with the rudiments of music (scales, clefs, key signatures, etc.) and progresses to analysis and music composition. Also included are ear training, sight singing and keyboarding experiences. The course may also include music history as it relates to the theoretical aspects.

----- **FOREIGN LANGUAGE DEPARTMENT**

*NOTE: for college-bound students, a minimum of two years of the same foreign language are required. An increasing number of colleges and universities, however, are requiring 3 years for admission; and, certain degree programs may require additional foreign language study at the college level. (Parents and students are encouraged to visit college web sites to determine foreign language requirements for individual institutions.)*

**FRENCH I HONORS 412 (9, 10, 11, 12)****level I, one year**

This level I course introduces the student to the French language and culture. The four basic language skills of listening, speaking, reading and writing in French are presented. Many aspects of French customs and culture, compared to those of our own, are explored. In addition to being open to students who choose French to meet their graduation requirement, the class also welcomes those who would like to experience a second foreign language as an elective, provided space is available. Prerequisite: minimum grades of "B" in level I English, "B+" in level II English, a good background in grammar; or, successful completion of a first foreign language requirement. Note: Students must pass the first semester of the course in order to continue the second semester.

**FRENCH II HONORS 422 (9, 10, 11, 12)****level I, one year**

The French II course builds upon the foundation achieved by the student in French I. The focus is on expanding vocabulary, intermediate grammar and an increased ability to communicate in both writing and speaking. The culture and customs of French-speaking countries is an integral part of the course. Prerequisite: recommendation of French I teacher and a final grade of "B" or better, having passed both semesters of the course.

**FRENCH III HONORS 431 (10, 11, 12)****level I, one year**

This course will increase the student's ability to communicate in French, both in writing and speaking. The emphasis is on increasing vocabulary and grammar skills through usage in reading, writing and speaking. This course is highly recommended for the college-bound student who plans to take the CLEP test for college credit, or as a stronger foundation in the language prior to college work. Some universities require three years of a foreign language as a prerequisite for admission. Prerequisite: recommendation of French II teacher and a final grade of "B" or better, having passed both semesters of the course.

**FRENCH AP 441 (11, 12)****level 0, one year**

French AP seeks to develop language skills (reading, writing, listening, and speaking) that can be applied to various activities and situations. The course has the following student objectives: (a) ability to understand spoken French in conversational situations; (b) development of a French vocabulary sufficient for reading newspapers, magazines, literature, and other nontechnical writings; (c) ability to express oneself in French in both speech and in writing, accurately and with reasonable fluency. Successful performance on the AP exam is equivalent to that of students who have completed six semesters of college French.

Prerequisite: recommendation of French III teacher and a final grade of “B” or better, having passed both semesters of the course.

**FRENCH V 443 (11, 12)**

**level I, one year**

French V seeks to develop a knowledge of French culture and history using language skills (reading, writing, listening and speaking), expanding on those skills achieved in previous French classes. The course has the following student objectives: (a) ability to understand spoken French in conversational situations; (b) development of a French vocabulary sufficient for reading newspapers, magazines, literature, and other nontechnical writings; (c) ability to express oneself in French in both speech and in writing, accurately and with reasonable fluency.

Prerequisite: recommendation of French III or AP teacher and a final grade of “B” or better, having passed both semesters of the course.

**GERMAN I HONORS 413 (10, 11, 12)**

**level I, one year**

This course introduces the student to both the German language and German culture. The four basic language skills of listening, speaking, reading and writing are incorporated into each lesson. The goal is for the student to obtain an equal degree of success in each of these areas. Students will learn how the German way of life differs from the American life style.

Prerequisite: minimum grades of “B” in level I English, or “B+” in level II English and a good background in grammar; or, successful completion of a first foreign language requirement.

**LATIN I HONORS 423 (10, 11, 12)**

**level I, one year**

Latin I offers an overview of the Latin language, incorporating listening, speaking, reading and writing skills, word building, English derivatives, Roman culture, and classical mythology. This class is a good vocabulary builder for those taking the ACT or SAT as more than 50% of the words we use today come from Latin.

Prerequisite: minimum grades of “B” in level I English or “B+” in level II English and a good background in grammar.

**SPANISH I CP 410 (9, 10, 11, 12)**

**level II, one year**

This level II class is designed for students who want to fulfill the minimum requirement for admission to a Kentucky public college or university. It introduces the student to the Spanish language and the customs of countries where it is spoken. The four basic language skills of listening, speaking, reading, and writing in Spanish are presented. The CP level course covers the same material as the Honors class, but at a slower pace. The CP label in no way indicates lack of rigor or lessening of the student's need to accept responsibility for his/her own learning. All students must expect to invest a minimum amount of time outside of class to be successful in any foreign language.

Prerequisite: minimum grades of “C” in English with a solid understanding of grammar; freshmen must also have the signature of their 8<sup>th</sup> grade teacher. Note: Students must pass the first semester of the course in order to continue the second semester.

**SPANISH I HONORS 411 (9, 10, 11, 12)**

**level I, one year**

This level I course introduces the student to the Spanish language and customs of countries where it is spoken. The four basic language skills of listening, speaking, reading and writing in Spanish are presented. The goal is for the student to obtain an equal degree of success in each of these areas, upon which he or she can improve at the Spanish II, III and AP levels. Therefore, students are expected to be self-motivated and above average in work ethic and responsibility. Seniors may not take the first year class without special permission of the teacher.

Prerequisite: minimum grades of “B” in level I English or “B+” in level II English, both with a good background in grammar. Note: the foreign language department makes no grade adjustment when students drop from level I to level II mid-course.

**SPANISH II CP 420 (10, 11, 12)**

**level II, one year**

Based on the Spanish I class, this is a continuation of the development of the Spanish language skills and the study of life in Spanish speaking countries. Intermediate vocabulary, grammar and their use in speaking and writing is a focus. As with the Spanish I course, students must expect to invest a minimum amount of time outside of class to be successful. Successful completion of the course satisfies the foreign language requirement for earning a college preparatory high school diploma and for acceptance into a Kentucky public college or university. Prerequisite: recommendation of the Spanish I teacher and a final grade of “C” in Spanish I CP, having passed both semesters of the course.

**SPANISH II HONORS 421 (9, 10, 11, 12)**

**level I, one year**

Based on the Spanish I course, this is a continuation of the development of Spanish language skills, but with an equal emphasis on listening comprehension, reading, speaking, and composition. The culture, customs, and history of Spanish-speaking world will be covered through appropriate reading material. Since this class is more in-depth and will progress at a faster pace than the CP level course, students taking this class will need good study habits and a strong background from Spanish I Honors. Prerequisite: recommendation of Spanish I teacher and a final grade of “B” or better in Honors Spanish I, having passed both semesters of the course. Note: the foreign language department makes no grade adjustment when students drop from level I to level II mid-course.

**SPANISH III HONORS 430 (10, 11, 12)**

**level I, one year**

This course will increase the student's ability to communicate in Spanish, in both writing and speaking. The emphasis is on increased vocabulary and grammatical skills through reading, writing, and speaking. This course is highly recommended for the college-bound student who plans to take the CLEP test for college credit or as a stronger foundation in the language prior to college work. Some universities require three years of a foreign language as a prerequisite for admission.

Prerequisite: recommendation of Spanish II teacher and a final grade of “B” or better in Honors Spanish II.

**SPANISH IV HONORS 449 (11, 12)**

**level I, one year**

This course is an alternative for students wishing to continue their studies in Spanish but choose not to pursue an AP diploma. Students increase their ability to communicate in Spanish and develop new vocabulary. Grammar is reviewed thoroughly. While Spanish IV students may be in with AP students, Spanish IV does not require oral presentations nor submit essays as is required in AP. Quizzes are also different from AP quizzes.

Prerequisite: "B" or better in Spanish III and recommendation of the teacher.

**SPANISH AP 440 (11, 12)**

**level 0, one year**

Spanish AP seeks to develop language skills (reading, writing, listening, and speaking) that can be applied to various activities and situations. The course has the following student objectives: (a) ability to understand spoken Spanish in conversational situations; (b) development of a Spanish vocabulary sufficient for reading newspapers, magazines, literary texts and other nontechnical writings without the use of a dictionary; (c) ability to express oneself in Spanish in both speech and in writing, accurately and with reasonable fluency. Successful performance on the AP exam is equivalent to the performance of students who have completed six semesters of college Spanish.

Prerequisite: recommendation of Span III teacher and a final grade of “B”.

----- MATHEMATICS DEPARTMENT

“Mathematics is the pen with which God has written the universe.” It plays an integral role in Catholic education because it reflects the order and unity of God’s universe. It is a way of thinking, measuring, recording, evaluating, and comparing quantitatively. It is the language of communication in the technological world and is essential in understanding the world.

Kentucky requires students to earn credits in Algebra I, Geometry, Algebra II and one additional math course. OCHS requires all students to take a math class each year. The suggested courses of study for each Level are shown below:

GRADE	LEVEL I	LEVEL II	LEVEL III
9	Alg I Hon/Geom Hon	Alg I A CP	Alg I A Reg
10	Geom Hon/Alg II Hon	Alg I B CP	Alg I B Reg
11	Alg II Hon/Pre-Calc Hon	Geom CP/Alg II CP	Geom Reg
		Pre-Cal CP/Alg III CP	
12	Pre Calc Hon/Calc AP	Alg II CP/Discrete Math/ Pre-Calc CP/	Alg II Reg

**Level I** is designed to give students the best possible mathematical preparation for in-state and out-of-state private and public colleges and universities.

**Level II** is designed to give the mathematical preparation necessary for in-state colleges and universities.

**Level III** is designed to give students the mathematical preparation for community colleges.

A student may move down a level, but not up a level.

**Level 0** course of study is for the student who is a mature, highly-motivated, self-starter with exceptional mathematical ability and who has at least a B average in all previous prerequisite math classes. The Level I course of study is for the student who is self-motivated and has high mathematical ability and who has at least a B average in all prerequisite math classes. The Level II course of study is for the student with average motivation and/or mathematical ability. The Level III course of study is for the student who has great difficulty in math: because of this, the student may take only one level III math class per semester.

**ALGEBRA I A REGULAR 110 (9)**

**level III, one year**

This course is designed for the student who has great difficulty in math. It is the first part of a two-part Algebra I series. It is an elementary approach to algebraic concepts. Topics include linear equations, inequalities, functions, non-linear functions, proportional reasoning, sequences, and probability.

**ALGEBRA I A CP 111 (9)****level II, one year**

This course is designed for the college-bound student with average mathematical ability. It is the first part of a two-part Algebra I series. Topics include linear equations, inequalities, functions, non-linear functions, proportional reasoning, sequences and probability.

**ALGEBRA I B REGULAR 120 (10)****level III, one year**

This course is designed for the student who has great difficulty in math. It is an elementary approach to the second part of a two-part Algebra I series. Topics may include solving inequalities, systems of linear equations and inequalities, polynomials, factoring, quadratic and exponential functions, rational and radical expressions.

Prerequisite: successful completion of Algebra I A.

**ALGEBRA I B CP 121 (10)****level II, one year**

This course is designed for the college-bound student with average mathematical ability. It is the second part of a two-part Algebra I series. Topics include solving inequalities, systems of linear equations and inequalities, polynomials, factoring, quadratic and exponential functions, rational and radical expressions, statistics, and probability.

Prerequisite: successful completion of Algebra I A CP.

**ALGEBRA I HONORS 112 (9)****level I, one year**

This course is designed for the college-bound student with self-motivation and high mathematical ability. Topics include linear equations, inequalities, functions, non-linear functions, proportional reasoning, sequences, and probability.

Prerequisite: successful completion of in Pre-Algebra with an “A” or “B” average.

**GEOMETRY REGULAR 130 (11)****level III, one year**

This course is designed for the student who has great difficulty in math. It is an elementary approach to geometric concepts. Topics include general relationships, triangular relationships, quadrilateral relationships, other polygons and circles, congruence and similarity, measurements, coordinate geometry and transformations.

Prerequisite: successful completion of Algebra I A Regular and Algebra I B Regular.

**GEOMETRY CP 131 (10, 11)****level II, one year**

This course is designed for the college-bound student with average mathematical ability. It is an informal approach to geometric concepts. Topics include general relationships, triangular relationships, quadrilateral relationships, other polygons and circles, congruence and similarity measurements, coordinate geometry and transformations.

Prerequisite: successful completion of Algebra I A CP and Algebra I B CP.

**GEOMETRY HONORS 122 (9,10)****level I, one year**

This course is designed for the college-bound student with self-motivation and high mathematical ability. It is a formal approach to geometric concepts. Topics include general relationships, triangular relationships, quadrilateral relationships, other polygons and circles, congruence and similarity, measurements, coordinate geometry and transformations.

Prerequisite: successful completion of Algebra I Honors with an “A” or “B” average.

**ALGEBRA II REG 124 (12)****level III, one year**

This course is designed for the student who has great difficulty in math. It is an elementary approach to algebraic concepts. Topics include linear relations and functions; systems of equations and inequalities; polynomial and radical equations and inequalities; quadratic functions and inequalities.

Prerequisite: successful completion of Alg I A, Alg I B and Geometry.

**ALGEBRA II CP 140 (11, 12)****level II, one year**

This course is designed for the college-bound student with average mathematical ability. Topics include linear relations and functions; systems of equations and inequalities; polynomial and radical equations and inequalities; quadratic functions and inequalities.

Prerequisite: successful completion of Algebra I A CP, Alg I B CP and Geometry CP.

**ALGEBRA II HONORS 132 (10, 11)****level I, one year**

This course is designed for the college-bound student with self-motivation and high mathematical ability. Topics include linear relations and functions; systems of equations and inequalities; polynomial and radical equations and inequalities; quadratic functions and inequalities; and rational expressions and equations.

Prerequisite: successful completion of Algebra I Honors and Geometry Honors with an “A” or “B” average.

**ALGEBRA III CP141 (12)****level II, one year**

This course is designed for the college-bound student with average mathematical ability. It includes a review of advanced Algebra II topics and some of the same topics covered in Pre-Calculus CP: quadratic functions, polynomial functions, rational functions, exponential, and logarithmic functions.

Prerequisite: successful completion of Geometry CP and Algebra II CP.

**PRE-CALCULUS CP 134 (11,12)****level II, one year**

This course is designed for the college-bound student with above average mathematical ability. It includes a review of advanced Algebra II topics and some of the same topics covered in Pre-Calculus Honors: linear relations and functions, families of graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry.

Prerequisite: successful completion of Geometry Honors and Algebra II Honors with a “B” or “C” average.

**PRE-CALCULUS HONORS 133 (11, 12)****level I, one year**

This course is designed for the college-bound student with self-motivation and high mathematical ability. Topics include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions first semester, and trigonometry second semester.

Prerequisite: successful completion of Geometry Honors, and Algebra II Honors with an “A” or “B” average.

**DISCRETE MATH CP 145 (12)****level II, one year**

This course is designed for the college-bound senior with above-average mathematical ability. Discrete Math topics will include probability, statistics and data analysis; sequences and series, iteration and fractals, combinatorics and graph theory.

Prerequisite: successful completion of Geometry Hon, Algebra II Hon, and Pre-Calculus.

**CALCULUS AP 144 (12)****level 0, one year**

This course is designed for the college-bound student who is a highly-motivated, self-starter with exceptional mathematical ability. It is structured for the student who has a thorough knowledge of college preparatory mathematics on the honors level, including algebra, axiomatic geometry, trigonometry, and analytic geometry. Calculus AP is a course in introductory calculus with elementary functions. Most of the year’s course is devoted to the topics of differential and integral calculus in order to prepare students for the AP Calculus AB examination. The AP examination is required for class credit.

Prerequisite: Pre-Calculus Honors, with an “A” or “B” average.

----- **NATURAL SCIENCE DEPARTMENT**

"Science is a way of knowing - knowing the complexity of God's creation. It is a way of solving problems. It is a way of organizing information, seeing relationships, understanding how things work, keeping a proper perspective, recognizing the consistency of the universe, and observing change. It is a way of recognizing our responsibility as stewards of God's creation." (From the Diocese of Owensboro Science Curriculum Guide.).

Three science credits are required for graduation.

GRADE	LEVEL I	LEVEL II	LEVEL III
9	IPS Hon	IPS CP	Int Sci I
10	Bio Hon	Bio CP	Int Sci II
11	Chem Hon	Chem CP	Int Sci III

\* The Science Department offers General Biology AP as a Level 0 class for which an additional point is awarded for all grades on both the honor roll and rank.

**Level III** science classes are designed for those students who have some difficulty with science and will probably advance to specialized training in a nonscience field. These courses will not only meet the state requirements for high school science courses but will also provide students with a solid background in skills necessary for everyday life.

**Level II** science classes are designed for those students who will probably attend college with a nonscience major. These courses will adequately prepare the student to meet the natural and/or life science challenge of a nonscience major.

**Level I** science classes are designed for those students who will probably attend college as a science major or one that requires an in-depth science background. It is designed for the student with superior ability in science and will give the student a very strong background in the natural and life sciences.

**INTEGRATED SCIENCE I 210 (9, 10, 11)**

**level III, one year**

This course is designed for the student who has difficulty in reading and math. Emphasis will be placed on a study of basic physical laws along with chemical science. The student will experience some hands on laboratory investigative activities in conjunction with science safety skills.

Prerequisite: the recommendation of the middle school and/or high school science teacher.

**INTEGRATED SCIENCE II 220 (9, 10, 11)**

**level III, one year**

This is another approach to integrated science for the student who has difficulty in reading and math. Emphasis will be placed on a study of the environment, earth science and space science. Some laboratory activities will enable the student to become a better steward of the environment and to appreciate the research in space science.

Prerequisite: the recommendation of the middle school and/or high school science teacher.

**INTEGRATED SCIENCE III 230 (9, 10, 11)****level III, one year**

This course covers material that will help the student to better understand the composition and function of all living things. Units on such topics as AIDS, blood, animal reproduction (human), and organic gardening are used to stimulate interest. Laboratory experiences are used where appropriate. Prerequisite: the recommendation of the middle school and/or high school science teacher.

**INTRO TO PHYSICAL SCIENCE CP 211 (9)****level II, one year**

This course is designed to give the student a basic understanding of science concepts that include: Measurements, Motion, Energy, Forces, Machines, Chemistry, and Earth and Space. This class will also include laboratory activities to reinforce these science concepts in which laboratory techniques and safety will be taught. Many of the concepts will include the use of basic mathematical processes used in Algebra.

Prerequisite: Pre-Algebra and the recommendation of the middle school science teacher and /or science departmental approval.

**INTRO TO PHYSICAL SCIENCE HON 212 (9)****level I, one year**

This course is designed to give the student a basic understanding of science concepts that include: Measurements, Motion, Energy, Forces, Machines, Chemistry, and Earth and Space. This class will also include laboratory activities to reinforce these science concepts in which laboratory techniques and safety will be taught. Many of the concepts will include the use of basic mathematical processes used in Algebra.

Prerequisite: **Algebra I during the 8<sup>th</sup> grade or Algebra I Honors taken concurrently** and above average assessment in middle school science and math courses and a recommendation from the middle school science teacher and/or science departmental approval.

**BIOLOGY CP 221 (10)****level II, one year**

The subject matter of biology: the study of living things, is a laboratory-lecture course which will attempt to stimulate awareness, appreciation, and knowledge of the natural environment so that the student may be motivated to seek out the origin, growth and development of living things and realize the importance of plant and animal life and how they depend on one another.

Prerequisite: Successful completion of IPC and departmental approval.

**BIOLOGY HONORS 222 (10)****level I, one year**

This course studies the origin, organization, and diversity of life. This is a laboratory-oriented course designed for students working towards an Honors diploma. Cytology, genetics, zoology and botany are among the topics covered. This course is an in-depth study of life and is recommended for those students who want to have a science emphasis in their higher education.

Prerequisites: IPC Honors with at least a “C” average, IPC CP with an “A” and the recommendation of the IPC teacher.

**GENERAL BIOLOGY AP 243 (12)****level 0, one year**

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during the first year. The aim is to provide the student with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The three major topics are molecules and cells, genetics and evolution, and organisms and populations.

Prerequisites: Biology Honors, Chemistry Honors (minimum grade of “B” in each), Anatomy and Physiology is highly recommended and science departmental approval.

**CHEMISTRY CP 231 (11, 12)****level II, one year**

This course is a laboratory-oriented study of chemistry as applied in the everyday world. The student will receive a basis in atomic structure and changes but there is a limited emphasis on the mathematical relationships in chemical reactions. This course is to give the student preparation for a nonscience major in college or technical school along with an appreciation for chemistry in the home and the environment.

Prerequisites: Successful completion of Biology CP (minimum grade of “C”), Algebra I CP, and departmental approval.

**CHEMISTRY HONORS 232 (11, 12)****level I, one year**

This course studies the nature of matter and its reactions. It is laboratory-oriented and designed for the college bound student who is thinking about a major in science, math or an analytical field. There is an emphasis on mathematical relationships in chemical compositions and chemical reactions because math is the language of this science.

Prerequisites: Biology Honors with at least a “C” average and Algebra II Honors unless it is taken concurrently.

**ANATOMY AND PHYSIOLOGY CP 240 (11, 12)****level II, one year**

This course studies the human body, both structure and function. It is designed for those students in the college preparatory program that have an interest in human anatomy. This course is to give the student preparation for a nonscience major in college or technical school along with an appreciation of the human body & its function.

Prerequisite: Biology CP, Chemistry CP unless taken concurrently and departmental approval.

**ANATOMY AND PHYSIOLOGY HON 241 (11, 12)****level I, one year**

A technical and very advanced course in the human body, its structure and functions. This course requires a good foundation in science and reasonable scholastic ability. It is intended and recommended for the student who is planning to enter into any of the health allied fields of study.

Prerequisite: IPC Honors, Biology Honors and Chemistry Honors unless taken concurrently and departmental approval.

**CONCEPTUAL PHYSICS 242 (11,12)****level I, one year**

This course offers a study of the various forms of energy. This hands-on learning experience will enable the student to be creative, analyze and draw conclusions while developing problem-solving skills and using investigative techniques. This course is designed for the college-bound student, who is intending to continue studies in science, engineering or mathematics.

Prerequisites: IPC Honors, Biology Honors, Chemistry Honors, Pre-Calculus (Chemistry and Pre-Calculus may be taken concurrently with this course) and departmental approval.

**EARTH SCIENCE 223 (10, 11, 12)****level I, one semester**

This course is designed for the student who is interested in learning more about the planet earth and how that planet is a part of our solar system. Earth Science would enable the student to learn about conditions that contribute to and result from the weather patterns on the planet and how the weather is affected by the events within the solar system. Some topics of study would be meteorology, lightning, thunderstorms, hurricanes, and tornadoes. Ocean tides and water currents and how they affect weather would also be an area of study. This class would be offered to sophomores, juniors and seniors who are interested in learning about the world around them.

Prerequisite: IPC Honors or IPC CP, student must have “A or B” average and departmental approval.

**FORENSIC SCIENCE CP 237 (11, 12)****level II, one semester**

This course is designed to introduce the student to the various types of evidence encountered at a crime scene and the methods used to investigate them. These will include fingerprinting, blood typing, hair and fiber analysis, and DNA typing. Actual crimes will be discussed, and field trips, guest lecturers, and computer research will supplement classroom and lab activities.

Prerequisite: IPC Hon or CP, Biology Hon or CP, at least one semester of Chemistry Hon or CP.

**FORENSIC SCIENCE HON 238 (11, 12)****level I, one semester**

This course will study the science of crime scene analysis, with an emphasis on the scientific principles underlying the techniques. Basic criminology techniques such as fingerprinting, identifying unknown substances, fiber analysis, and blood typing will be learned. In addition, the student will experience the more modern technique of DNA testing. Field trips, guest lecturers, and computer research will supplement classroom and lab activities.

Prerequisite: IPC Honors, and at least one semester of Chemistry Honors.

**SPACE SCIENCE 224 (10, 11, 12)****level I, one semester**

This course is designed for the student who is interested in learning more about the solar system and galaxy of which the earth is a part. Space Science would enable the student to learn about how a star is born, lives, and dies and how that star is just a single player in the cast of players that is our universe. Some events that would be studied would be eclipses, black holes, super novas, comets, and quasars. The student would become familiar with methods and instruments used to study the universe such as the telescope. This class would be offered to sophomores, juniors, and seniors who are interested in the frontier known as our universe.

Prerequisite: IPC Honors or CP, student must have "A or B" average and departmental approval.

**----- PHYSICAL EDUCATION DEPARTMENT**

One credit in Health and Physical Education is required for graduation and must be taken freshman year. A statement by a doctor indicating that the student is not physically capable of taking PE is required before the requirement can be waived. A student is permitted no more than one PE class per year, Driver Ed not included.

**HEALTH & PE 751 (9)****level II, one year**

Health will acquaint students with healthful living to assist young adults making decisions regarding health practices. Students will learn basic First Aid and CPR. Physical Education will emphasize the importance of fitness being a lifelong commitment by teaching physical fitness through daily exercise with the Fit for Life program.

**DRIVER EDUCATION 733 (10, 11, 12)****level II, one semester**

This course consists of knowledge and performance in the following areas: auto operation; perception; driving emergency; interstate driving; habitual factors; laws of nature; influencing driving; alcohol, drugs, and driving; maneuvering the auto; traffic laws and enforcement; different driving environments.

**PHYSICAL EDUCATION II 731 (10, 11, 12)**

**level III, one sem**

This course will emphasize physical fitness and develop skill level through daily exercise. Students will be introduced to sports that can be enjoyed for a lifetime. Students will be able to understand and interpret the rules and regulations of those sports.

**WEIGHT TRAINING 732 (10, 11, 12)**

**level III, one semester**

This course will emphasize the development of safe technique and the students' understanding of a progressive resistance weight-training program. Programs will reflect individual goals and needs. Students will also be introduced to and participate in aerobic exercise, anaerobic exercise, and speed training. Special emphasis will be placed on the importance of fitness being a lifelong commitment.

**----- RELIGION DEPARTMENT**

The Didache Series: The goal of the Didache Series is to present sufficiently, in a manner that is both comprehensive and accessible, the basic tenets of the doctrinal, scriptural, moral, and sacramental life of the Church. Accordingly, the books of this series rely on sources such as Sacred Scripture, the Catechism of the Catholic Church, the lives of the saints, the Fathers of the Church, the General Directory for Catechesis, and the teaching of Vatican II as witnessed by the pontificate of John Paul II.

GRADE	CLASSES
9	Introduction to Catholicism
10	Understanding The Scriptures
11	The History of The Church
12	Our Moral Life in Christ
12	Church & Social Issues/Christians in Action
11/12	Grief Psychology

**INTRODUCTION TO CATHOLICISM 610 (9)**

**level II, one year**

This comprehensive introduction to the Catholic faith explains in a thorough and straightforward manner what it means to be a Catholic. This course takes an enthusiastic look at issues concerning: The Church, Prayer, holiness, The Trinity, The Blessed Virgin Mary, Sacred Scripture, The Ten Commandments, The Sacraments, and much more... This course boldly addresses issues relevant to young people and offers a realistic synopsis of how the Faith can – and should – be practiced in the modern world.

**UNDERSTANDING THE SCRIPTURES 620 (10)**

**level II, one year**

This course presents teachings on salvation history in the context of a Catholic approach to Scripture, highlighting the theme of covenant. In a logical straightforward manner, this course gives a clear explanation of the various parts of the Bible and the importance of each part.

**THE HISTORY OF THE CHURCH 630 (11)****level II, one year**

This course gives an account of Christian History based solidly on historical fact and viewed through the eyes of Faith, it presents the History of the Catholic Church from Pentecost through the present. This course delves deeply into the heroic lives of the Saints and the tremendous achievements of the Church, allowing the student to witness the Holy Spirit's guidance of the Church through history. This course inspires a deep pride in Christian heritage while offering the means of avoiding the mistakes of the past.

**OUR MORAL LIFE IN CHRIST 640 (12)****level II, one year**

This course offers a unique and masterful analysis of Moral Theology, and presents, in a comprehensive manner relevant to modern times, the more complex theological concepts of Catholicism. The course will provide all students with the essential tools necessary for the living of a moral life and will prove a useful foundation for those students planning to further their studies in theology and philosophy.

**CHURCH & SOCIAL ISSUES/CHRISTIANS IN ACTION 650 (12) level I, one year**

*\* This is an elective course. It does not satisfy the requirements for the Core Curriculum in the Religion Department. It must be taken in conjunction with another Religion class.*

The Church clearly teaches her members to oppose injustices in our world, guided by the example of Jesus and Gospel values. Every community is faced with the issues of poverty, racial inequality, oppression of the helpless, greed, protection of human life and civil conflicts--as well as the face of Christ in the suffering. In the midst of such issues, the Church asks for justice and love. All are reminded that the final judgment is based not on faith that was thought but on faith that was lived in relation to our neighbors. A personal copy of the text is required for every student.

Christians In Action (CIA) is a practicum, or course based on community service with guidance and reflection. CIA aims to expose high school students to the needs of the community, working with the elderly, the handicapped, and children. The able-bodied and the gifted are taught to share with the less able and to learn what it means to live as the Body of Christ on earth.

Prerequisite: instructor approval with application and two teacher references.

**GRIEF PSYCHOLOGY 339 (11, 12)****level I, one year**

*\* This is an elective course. It does not satisfy the requirements for the Core Curriculum in the Religion Department. It must be taken in conjunction with another Religion class.*

This course is offered to help students gain an understanding of the experience of loss, in particular death. Because death touches all aspects of life, the course approaches death from all of life's perspectives – philosophical, historical, cultural, psychological, social, financial, legal, moral and religious.

----- **SOCIAL STUDIES DEPARTMENT**

Three Social Studies credits are required for graduation.

GRADE	LEVEL I	LEVEL II
10	Econ Hon Govt Hon	Econ CP Govt CP
11	*US Hst AP/ US Hst Hon	US Hst CP
12	Wld Civ Hon	Wld Civ CP

*\* The Social Studies Department offers US History AP, a level 0 class for which an additional point is awarded for all grades on honor roll and rank.*

**ECONOMICS CP 320 (10)**

**level II, one semester**

Economics is the study of how we produce, distribute, and consume goods and services. Traditional and market-economic systems are compared in order to study how we satisfy our unlimited wants with the limited resources available. The course will include a brief history of the American economic system, as well as a discussion of current American economic policy. The concept of global economic interdependence will be integrated as part of the course.

**ECONOMICS HONORS 321 (10)**

**level I, one semester**

This course, which covers the American economic system, is designed to deal critically with the analytical skills and factual knowledge necessary to deal with the problems and materials in economics. Students will have a clear understanding of how the economic system works and the individual's role in the economic system by developing a mastery of personal economics. Students who enroll in this class must be self-motivated and self-disciplined and capable of assuming the responsibility of working on their own, as this class includes a great deal of in-class participation and discussion as well as outside activities.

Prerequisite: recommendation of the student's English Honors teacher.

**GOVERNMENT CP 322 (10)**

**level II, one semester**

This course is designed for the student to gain an understanding of the workings of the government of the United States. The growth of the democratic form of government will be studied from its early concepts through the modern era. The students will be involved with the study of the Constitution of the United States and its amendments, civil rights, the political process, the branches of government, local and state governments, and comparisons to other systems. Students will become familiar with skills involving note taking from lectures, the use of outlines, and vocabulary.

**GOVERNMENT HONORS 323 (10)**

**level I, one semester**

This course is recommended for those who are interested in pursuing some career or other special interest in government. This course is designed for the student who has a deeper interest in the working of his/her government. This course will allow the student to have time for a greater in-depth study of our government - local, state, and national - at work. The student who undertakes this class must be self-motivated and very self-disciplined. Much of the class will focus on intense class participation, outside activities, and guest speakers. Some outside readings are expected, as well as being informed on day-by-day situations involving our government.

Prerequisite: recommendation of the student's English I Honors teacher.

**US HISTORY CP 330 (11)****level II, one year**

This course is a study of American history beginning with a review from the Discovery Age to Reconstruction, followed by an in-depth focus on the post Civil War period to the present. Besides stressing various interpretive themes, emphasis is also placed on political history and economic development of the United States. This course includes the study of United States climate, natural resources, and other geography knowledge. Focus will be placed on acquiring such skills as understanding vocabulary, map reading and acquiring knowledge of important events.

**US HISTORY HONORS 331 (11)****level I, one year**

This course is designed for the college-bound student. It is designed to enable the student to succeed in the college environment by developing skills in note taking, vocabulary, composition and research. Students will study American history with a review of the period from the Discovery Age to Reconstruction, followed by an in-depth focus on the post Civil War period to the present. This course includes the study of United States climate, natural resources, and other geography knowledge. Prerequisites: an overall "B" average in level II courses and the recommendation of the student's Government/Economics teacher.

**US HISTORY AP 332 (11)****level 0, one year**

This course is designed to prepare the student to take the Advanced Placement test in U.S. History in the spring by developing analytical skills and providing factual knowledge necessary to understand and evaluate the development of the United States. Students will analyze historical sources, draw conclusions and present their ideas clearly and persuasively in essay format. Using a textbook and outside readings, the course will present chronological coverage of the political, economic, social, cultural and military events which have shaped our history. This course includes the study of United States climate, natural resources, and other geography knowledge. Only motivated students with self-discipline and a strong work ethic are encouraged to take this class.

Prerequisite: recommendation of the Government/Economics and English teachers.

**WORLD CIVILIZATION CP 340 (12)****level II, one year**

This course is designed to present a narrative chronology of world history from the earliest civilizations to the present. The major focus will be from 1500 to the present. Within this framework, the course will trace the development of civilizations in different parts of the world, with emphasis placed on Western civilizations. The course will emphasize political and economic changes that are revolutionary in the history of mankind. The course will deal with the influence of geography on culture, and with the growth of science and technology. The course will also stress the effects of the mingling of cultures and the creativity of the arts.

**WORLD CIVILIZATION HONORS 341 (12)****level I, one year**

This course is designed to give college-bound students the best possible background and understanding of the beginnings of civilization and the history and culture of man in the Western world. Students will study the world civilizations, with a review of the ancient civilizations to 1500, followed by an in-depth study of the development of Western civilization from 1500 to the present. This course will emphasize the political, economic and social changes that greatly affected the rise of the modern world. The course will deal with the influence of geography on culture, and with the growth of science and technology.

**CRIMINOLOGY 335 (11, 12)****level II, one semester**

This course attempts to present the student with a wide range of crime in our society, the causes and effects of crime and those professionals who are responsible for managing crime in the United States. The course will rely on discussion, guest speakers, and hands on experience. Study will be made of national, state, and local rehabilitation programs, crime prevention, probation and parole, criminal justice programs, the Kentucky court system and area law enforcement agencies.

**EUROPEAN HISTORY 325 (10, 11, 12)****level I, one semester**

This is a one-semester elective that encompasses the history of Europe from the turn of the century through the reshaping of Europe after the demise of the Soviet Union. There will be a strong emphasis placed on the development of modern Europe after World War II and the involvement of the United States in European affairs. The goal of the course is to provide the student with an understanding of the events that have shaped modern Europe and the role of the U.S. foreign policy during the period.

**FIFTIES HISTORY 326 (10, 11, 12)****level I, one semester**

Post-World War II America brought about many social, economic and political changes to the United States. The 1950's History class consists of the in-depth study of the trends, the people, the wars, and the main issues that brought about those changes.

**GEOGRAPHY CP 310 (9, 10)****level II, one year**

This course will include the study of nations, cultures, civilizations, and geography focusing on the interconnections of these and how change reflects on a global community. The goal of this course is to enhance the student's ability to understand the geographical conditions that exist in his/her community and his/her relationship to the conditions that exist throughout today's rapidly changing world. Current events impacting geographic regions will also be studied.

**GEOGRAPHY HONORS 311 (9, 10)****level I, one year**

This course is an interdisciplinary approach to geography. Its aim is to relate physical geography to the economic, social, historical, and cultural aspects of human activity. The course is intended to provide the student with a core of knowledge about the world and relate that knowledge to today's rapid world changes. Students will develop basic skills, including map reading, map making, and the interpretation of charts and diagrams. Students will also investigate the current events impacting the geographic region being studied.

**HISTORY OF MIDDLE EAST 324 (10, 11, 12)****level I, one semester**

This is a one-semester elective that incorporates the origins, scope, and consequences of the Arab-Israeli conflict in the Middle East. The student will be exposed to an in-depth analysis of modern conflict in the Middle East with particular attention to the United States role in the region. The goal of the course is to provide the student with a broad understanding of the factors that have led to conflict in the Middle East and the global implications of conflict in the region.

**PSYCHOLOGY 333 (11, 12)****level I, one year**

This course is designed to study man's behavior in the areas which are considered key problems for adolescents today. Included in this is a study of the effects of drugs in our society. Its primary focus is in the area of human growth and development from birth through the eight stages of life. It also deals with such issues as teenage suicide, mental breakdowns, family adjustments, and learning and

cognitive development. This is a comprehensive course designed for all levels, but particularly those who are college-bound or are entering the health or social services fields.

**PSYCHOLOGY II 342 (12)**

**level I, one year**

This course is designed to be a continuation of Psychology, with an emphasis on personality theories, stress and conflict, interpersonal relationships, in depth study of the eight stages of human development, psychological testing, and statistics.

Prerequisite: Psychology.

**SIXTIES HISTORY 329 (10, 11, 12)**

**level I, one semester**

As America entered into the decade of the Sixties, many social, economic and political changes came into the United States. The 1960's History class consists of the in-depth study of the trends, the people, the Vietnam War and the main issues that brought about those changes.

**----- OTHER COURSES**

**STUDY HALL 999 (10, 11, 12)**

**DUAL ENROLLMENT CLASSES AVAILABLE (12)**

**level I, one year**

See Senior Counselor for information

**----- TECHNICAL SCHOOL**

Technical school courses are available at OCTC for senior students that have completed all of their core requirements up until the end of their junior year necessary for graduation. Students apply to take these courses AFTER Pre-Registration through the counseling department in March of their junior year. Planning cards completed during Pre-Registration should include electives that the student would take their senior year if for some reason they chose not to attend Technical School their senior year.

