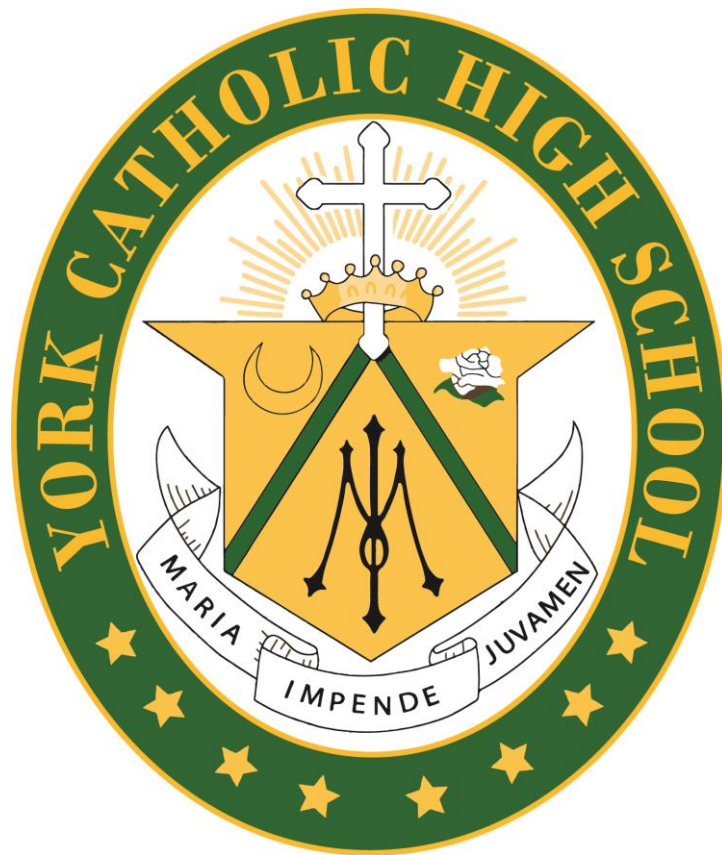


York Catholic High School

Course Catalog

2017-18



601 E. SPRINGETTSBURY AVENUE
YORK, PA 17403

SIX YEAR EDUCATIONAL PLAN AT YORK CATHOLIC

Grade 7

Religion 7
 English Language Arts 7
 Pre-Algebra
 Life Science
 Civics
 French 7 or Spanish 7 (if qualified)
 *Enrichment 7

Grade 8

Religion 8
 English Language Arts 8
 Algebra I/Algebra Part 1
 Earth Science
 World History I
 French 8 or Spanish 8 (if qualified)
 * Enrichment 8

Grade 9

Religion 9
 English 9
 Algebra II
 Biology I-H
 Physical Science
 U. S. History I
 Elective
 *Required minor

Grade 10

Religion 10
 British Literature
 Geometry
 Biology
 World History II
 Elective
 *Required minor

Grade 11

Religion 11
 American Literature
 Mathematics
 U. S. History II
 Science
 Elective
 *Required Minor

Grade 12

Religion 12
 World Literature
 Elective
 Elective
 Elective
 Elective
 Elective

REQUIRED

*Enrichment 7

Music
 Art
 Computer
 Study Skills
 Physical Education

*Enrichment 8

Music
 Art
 Health
 Computer
 Physical Education

Minor 9

Physical Education
 Survey of Music

Minor 10

Physical Education
 Survey of Art

Minor 11

Health
 Physical Education

Minor 12

Physical Education

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PHILOSOPHY OF YORK CATHOLIC HIGH SCHOOL

We, the community of York Catholic High School, see ourselves as co-workers with Jesus Christ in the ministry of education rooted in the Gospels, the teachings of the Roman Catholic Church, and the guidelines of the Commonwealth of Pennsylvania.

Operating in a global society, we choose the Christian world-view as our distinct orientation in carrying out what we regard as our essential task: the development of our students as whole Christian persons. We accomplish this by teaching, by fostering a Catholic value system, and by serving the larger community.

Our quest for academic excellence leads us to teach a core curriculum which is continuously and judiciously updated. Our desire to foster Catholic values prompts us to create an environment which develops personal integrity, respect for one another, reverence for God, and stewardship for our world. Our commitment to serve the larger community impels us to foster social awareness and encourage action for the common good.

We recognize this necessarily collaborative effort is one which increasingly demands the support and involvement of students, parents, staff, parishes, alumni, and the community at large.

Thus we envision our mission as the education of our students to become active members of church and society living their faith.

MISSION STATEMENT

York Catholic High School educates students focused on the cultivation of faith, mind, and heart. We, as a Christian family, are guided by a Catholic moral compass as modeled by Jesus Christ. Our students are academically sound, intellectually curious, and ethically prepared to serve the global community with grace.

BELIEF STATEMENTS

- We believe in a faith community that promotes Gospel values.
- We believe in family, and foster a safe educational environment where each individual is valued and respected.
- We believe in academic excellence and the cultivation of lifelong learning.
- We believe that everyone is the image of God and we strive to develop the faith, heart, and mind of each student.
- We believe in the value of diversity and each individual's unique God given talents and gifts.
- We believe in the respect and dignity of human life in an atmosphere based upon Catholic moral values.
- We believe in citizenship, promoting the betterment of school, church, community, and our world.
- We believe in the development of a Christian moral compass.
- We believe service to others is a witness to our faith.

GRADUATION REQUIREMENTS

Graduation from York Catholic High School depends upon the successful completion of all required courses as mandated by the Pennsylvania Department of Education, York Catholic High School, and the Superintendent of Education of the Diocese of Harrisburg. Completion is to be interpreted as a passing grade of at least 70 for the year.

A minimum total of 25 credits during grades nine through twelve is required for graduation. In addition, a Religion credit is required for each year of attendance at York Catholic High School.

REQUIRED COURSES AND CREDITS FOR GRADUATION

RELIGION	4.0 CREDITS
ENGLISH	4.0 CREDITS
SOCIAL STUDIES	3.0 CREDITS
MATHEMATICS	3.0 CREDITS
SCIENCE	3.0 CREDITS
ARTS/HUMANITIES	2.0 CREDITS
ELECTIVES	5.0 CREDITS
PHYSICAL EDUCATION	1.0 CREDIT

Academic credits are awarded for all planned courses that are successfully completed meeting the requirements of instructional time and testing. One full credit is awarded for 120 clock hours of instruction. Partial credit is given proportionately according to instructional time for courses which do not meet each class day.

Academic credits attempted and earned become part of the permanent record of the student and are listed on the transcript.

LEVELS OF STUDY

The Senior High Academic Program consists of curriculum offerings aimed at the following levels of instruction:

Advanced Placement: prepares qualified student to take the AP exam. These are college level courses offered in accordance with the national Advanced Placement program.

Honors: college preparatory courses for students of a high or exceptional ability and work ethic.

Level 1(CP): college preparatory courses for students of an above average ability.

Level 2: College preparatory courses for students of average ability.

Level G: Minor subjects

It is noted that a student could carry a majority of subjects in one level together with one or two subjects from another level. The level for each subject taken is indicated on the report card and the permanent record of the student.

SERVICE REQUIREMENTS

To form habits in the area of service, the school monitors a program of Christian Service whereby each student is required to perform hours of non-remunerated service each year within a volunteer program or individually. Senior high students are required to verify sixteen (16) hours of service and junior high students are required to verify twelve (12) hours of service. While this amount of time is minimal over the course of the year, it is important in teaching students the merits of volunteer work.

DUAL ENROLLMENT COURSES

Dual Enrollment is a program whereby a student enrolled in a class at York Catholic can earn college credit. Currently, York Catholic works with Alvernia University in Reading, PA, on a dual enrollment program for Spanish 5, Sociology/Psychology, Comprehensive Business Technology, and Accelerated Accounting courses. Students who opt to take a course for dual enrollment will incur an additional tuition fee from Alvernia University (approximately \$125 per credit). At the end of the year students must request that transcripts from Alvernia University be sent to the college of their choice.

NCAA ELIGIBILITY STANDARDS

The National Collegiate Athletic Association periodically revises its academic standard for college freshman who wish to participate in intercollegiate athletics. Please visit www.eligibilitycenter.org for the most recent information on those standards if you are considering college athletics. Eligibility is based on the number of approved core courses, GPA in those approved courses and SAT scores.

COURSE FEES

All students in AP course are required to take the corresponding advanced placement test given in May and pay the necessary test fee (approximately \$90).

NOTE TO THE STUDENT

Welcome to York Catholic High School's course selection process for 2017-2018. As you think about your schedule for next year, seek advice from your parents, your teachers, and your guidance counselor. Challenge yourself by taking a rigorous course load for your ability keeping in mind course prerequisites.

We ask that students and their families make an honest assessment of the time demands required of selected courses, as they fit with the students' overall schedule of activities, sports and/or outside work. Unless the student spends the required time on study each day, he/she cannot expect to achieve academic success. Sophomores, Juniors and Seniors may take a seventh major class, but this will impact the number of study halls available. It is critical that students choose courses they intend to take as the master schedule is built around course selection.

When selecting your courses it is important to remember:

- All high school students are required to take six major classes plus the required minors for their grade level.
- Requests for a specific teacher will not be honored.
- Courses will be scheduled only if there is sufficient student demand and staffing permits.

Not all courses will match your schedule. Scheduling conflicts occur when two or more classes a student requests are offered at the same time. Not all conflicts can be resolved due to the number of courses offered and students requesting courses. If a conflict occurs we make every effort to honor the alternate course selected by the student.

Sequence of Courses

Subject	Grade 9	Grade 10	Grade 11	Grade 12
Religion	Foundations of Faith	Sacred Scripture	Morality	Church & Vocation
English	English I English I CP English I H	British Literature British Literature CP British Literature H	American Literature American Literature CP American Literature H	World Literature World Literature CP World Literature H AP English Literature
Social Studies	US History I US History I CP US History I H	World History II World History II CP World History II H	US History II US History II CP US History II H AP US History	Sociology/Psychology CP Criminology/Criminal Justice CP Holocaust Studies CP Economics CP
Mathematics	Algebra I Part 2 Algebra II Algebra II CP Algebra II H	Geometry Geometry CP Geometry H	Geometry / CP / H PreCalc H / Trig H Algebra II / CP/ H Algebra III / Trig Algebra III / Trig CP Calculus H / AP Statistics	Algebra III / Trig Algebra III / Trig CP PreCalc H / Trig H Calculus H AP Calculus Statistics
Foreign Language	Spanish I CP Spanish II CP French II CP	French II CP Spanish II CP Spanish III CP French III CP	French III CP Spanish III CP Spanish IV H French IV H Latin I CP	French IV H Spanish IV H Spanish V H Latin I CP
Science	Physical Science Physical Sci CP Biology H	Biology I Biology I CP Chemistry H Scientific Research Methods & Writing H	Environmental Science Marine Science Chemistry CP Physics H Anatomy CP/Honors AP Biology Scientific Research Methods & Writing H	*Elective: Chemistry Marine Science Physics CP AP Chemistry Anatomy CP/Honors AP Biology Scientific Research Methods & Writing H
Business/ Technology	Digital Imaging Accounting	Digital Imaging Accounting I	Digital Imaging Business Management CBT Accounting I	Digital Imaging Business Management CBT Accounting I Business Finance
Art	Art I Art Expression	Art II Art I Art Expression Survey of Art	Art III Art II Art I Art Expression	Art IV Art III Art II Art I
Music	Band Choir Survey of Music Music Electives	Band Choir Music Electives	Band Choir Music Electives	Band Choir Music Electives
Physical Education	PE	PE	PE Health	PE
Virtual High School	Online Classroom	Online Classroom	Online Classroom	Online Classroom

FRESHMAN COURSES

DEPARTMENT	SUBJECT	CREDIT
Religion	Foundations of Faith	1.0
English	English I	1.0
	English I CP	1.0
	English I H	1.0
Social Studies	U.S. History I	1.0
	U.S. History I CP	1.0
	U.S. History H	1.0
Mathematics	Algebra I Part II	1.0
	Algebra II CP	1.0
	Algebra II H	1.0
Foreign Language	French I, II CP	1.0
	Spanish I, II CP	1.0
Science	Physical Science	1.0
	Physical Science CP	1.0
	Biology I H	1.0
	Scientific Research	
	Methods and Writing H	0.5
Business	Accounting I	1.0
	Digital Imaging	1.0
	Computer Programming I	1.0
Art	Art I	1.0
	Artistic Expression	1.0
Music	Survey of Music	0.25
	Senior High Band	0.5
	Concert Choir	1.0
	Intro to Theater	0.25
	Beginner Guitar	0.25
Physical Education	Physical Education	0.25
Virtual High School	Online Electives	0.5

SOPHOMORE COURSES

DEPARTMENT	SUBJECT	CREDIT
Religion	Sacred Scripture	1.0
English	British Literature	1.0
	British Literature CP	1.0
	British Literature H	1.0
Social Studies	World History II	1.0
	World History II CP	1.0
	World History II H	1.0
Mathematics	Geometry	1.0
	Geometry CP	1.0
	Geometry H	1.0
Foreign Language	French I, II, III, CP	1.0
	Spanish I, II, III CP	1.0
Science	Biology I	1.0
	Biology I CP	1.0
	Chemistry I H	1.0
	Scientific Research Methods and Writing H	0.5
Business	Accounting I	1.0
	Digital Imaging	1.0
Art	Art I/II	1.0
	Artistic Expression	1.0
	Survey of Art	0.25
Music	Senior High Band	0.5
	Concert Choir	1.0
	Intro to Theater	0.25
	Survey of Music	0.25
	Beginner Guitar	0.25
Physical Education	Physical Education	0.25
Virtual High School	Online Electives	0.5

JUNIOR COURSES

DEPARTMENT	SUBJECT	CREDIT
Religion	Catholic Morality	1.0
English	American Literature	1.0
	American Literature CP	1.0
	American Literature H	1.0
Social Studies	United States History II	1.0
	United States History II CP	1.0
	AP United States History	1.0
	Holocaust Studies CP	0.5
	Economics CP	0.5
	Political Science CP	0.5
Mathematics	Algebra II / CP/ H	1.0
	Geometry / CP / H	1.0
	Pre-Calculus H	0.5
	Trig H	0.5
	Algebra III / Trig	1.0
	Alegbra III / Trig CP	1.0
	Calculus H	1.0
	AP Calculus	1.0
	Online Statistics	0.5
Foreign Language	French I, II, III CP /IV H	1.0
	Spanish I, II, III CP/IV H	1.0
	Latin I CP	1.0
Science	Chemistry I CP	1.0
	Physics CP	1.0
	Physics H	1.0
	Anatomy/Physiology CP	1.0
	Anatomy /Physiology H	1.0
	Environmental Science	1.0
	Environmental Science CP	1.0
	Marine Science CP	0.5
	Scientific Research Methods and Writing H	0.5

JUNIOR COURSES CONTINUED

DEPARTMENT	SUBJECT	CREDIT
Business	Comprehensive Business Tech.	1.0
	Accounting I	1.0
	Business Management	1.0
	Personal Finance	0.5
	Digital Imaging	1.0
Art	Art I, II, III	1.0
	Artistic Expression	1.0
Music	Senior High Band	0.5
	Concert Choir	1.0
	Intro to Theater	0.25
	Beginner Guitar	0.25
P.E./Health	Physical Education	0.25
	Health	0.25
	Child Development	0.5
Virtual High School	Online Electives	0.5

SENIOR COURSES

DEPARTMENT	SUBJECT	CREDIT
Religion	Church and Vocation	1.0
English	World Literature	1.0
	World Literature CP	1.0
	World Literature H	1.0
	AP English Literature	1.0
Social Studies	Sociology/Psychology CP	1.0
	Economics CP	0.5
	Political Science CP	0.5
	Holocaust Studies CP	0.5
Mathematics	Algebra III/Trigonometry	1.0
	Algebra III/Trigonometry CP	1.0
	Pre-Calculus H	0.5
	Trig H	0.5
	Calculus H	1.0
	AP Calculus	1.0
	Online Statistics	0.5
Foreign Language	French IV	1.0
	Spanish IV, V H	1.0
	Latin I CP	1.0
Science	Environmental Science	1.0
	Environmental Science CP	1.0
	Physics I CP	1.0
	Physics H	1.0
	Chemistry I CP	1.0
	AP Chemistry	1.0
	Anatomy/Physiology CP	1.0
	Anatomy/Physiology H	1.0
	Marine Science CP	0.5

SENIORS COURSES CONTINUED

DEPARTMENT	SUBJECT	CREDIT
Business	Comprehensive Business Technology	1.0
	Accounting I	1.0
	Business Management	1.0
	Personal Finance	0.5
	Digital Imaging	1.0
Art	Art I, II, III, IV	1.0
Music	Senior High Band	0.5
	Concert Choir	1.0
	Intro to Theater	0.25
	Beginner Guitar	0.25
P.E./Health	Physical Education	0.25
	Child Development	1.0
	Health	0.25
Virtual High School	Online Electives	0.5

Religion Department

Religion is central to the curriculum at York Catholic High School. As such, it serves as the life-giving spirit of our school, permeates all areas of studies and gives impetus to staff, students and all associated with York Catholic's life. The religion program is devised to deepen one's growth as an individual and as a member of a community of faith. Personal daily witness to Christian living in the Roman Catholic tradition is emphasized. Doctrines of the Church in light of Vatican II and the New Catechism of the Catholic Church are explored and related to current ecclesial, social, political and economic issues. Believing service is fundamental to genuine faith; teachers afford opportunities for prayer and worship and for involvement in social action.

071 Religion 7

Grade 7

This course is designed to build upon previous Religious Education and strengthen the student's knowledge of faith. This course focuses on Scripture with emphasis on the Gospels, the Creed with emphasis on the Incarnation, Pascal Mystery and the Communion of Saints, the Sacraments especially Eucharist, Morality, Prayer traditions, the liturgical seasons and Service to others.

081 Religion 8

Grade 8

This course builds upon previous knowledge of Scripture, the Creed, the Sacraments, Morality and Service. Special emphasis is placed on preparation for the Sacrament of Confirmation. Students will study the Acts of the Apostles, the Ascension and Pentecost, the Apostles/Nicene Creed, the Sacraments of Initiation, the gifts of the Holy Spirit and a Catholic Christian's obligation to the poor.

011 Foundations of Faith 1 Credit

**Level 1
Grade 9**

This course presents an overview of the concepts and beliefs of Roman Catholicism that a student in a Catholic high school should be able to understand and articulate by the end of the ninth grade. These include: the meaning of revelation and faith, the articles of faith in the creeds, the meaning of liturgy and sacraments and prayer, examples of people of prayer from Scripture and the Church, common Catholic prayers, basic morality, conscience formation and an understanding of sin and virtue. The course outline is referenced to the Catechism of the Catholic Church (1994) and to Sacred Scripture. The course is designed in a survey format to give teachers the freedom to meet the needs of the diverse backgrounds of veteran Catholic school students as well as newcomers to this setting.

021 Sacred Scripture
1 Credit

Level 1
Grade 10

This course will present some of the basic concepts related to sacred scripture and then an overview of the books of the Bible. While this course will cover a wide range of material, it will endeavor to offer the student not only an understanding of the origins and development of the texts but also an opportunity to experience the presence of the living and saving God in both the Old and New Testaments. The course outline will be referenced to the Catechism of the Catholic Church in which will be found information relating to basic concepts relating to scripture and to events in the life of Jesus.

031 Catholic Morality
1 Credit

Level 1
Grade 11

This course is designed to provide the student with the tools needed to search out the truth in order to make good moral decisions. The responsibility for building a personal conscience is placed squarely on the shoulders of the student. After critical reflection on oneself and contemporary personal and social problems enlightened by Scripture, Tradition and Church documents, including the Catechism of the Catholic Church, the student will learn the truly moral person is one who is fully human. In other words, a York Catholic student is genuinely respectful of him/herself and others as human persons, as children of God, and as followers of Jesus Christ.

041 Church and Vocation
1 Credit

Level 1
Grade 12

This course presents the development of the Roman Catholic Church through its 2000-year history and focuses particularly on the People of God who make up the Church. It then challenges students to take an active role in the Church community by living out their personal vocation of prayer and love and service as a priest or deacon, as a religious or as a layperson. By studying the history, meaning and mission of the Church, based on the sacred scripture and the New Catechism of the Catholic Church, with the aid of current and approved texts, students will be challenged and invited through study, prayer, and reflection to participate actively in the Church now and as adults.

051 Bridges
1 Credit

Level 1
Grades 9-12

This course is an introductory course designed for first year international students. Students will be introduced to the concepts of God, faith, and Catholic theology. In addition, this course will focus on cultural transitions as international students acclimate to life in the United States and life with an American host family.

English Department

The English department of York Catholic High School directs its efforts toward teaching Christian values. The department intends to lead the student to discover those positive aspects of his/her personality through which he/she can enhance self-confidence and creativity. Through creative experiences in reading, discussing, and writing, the student comes to an awareness of the universality of the human experience as found in literature, the story of man.

171 English Language Arts 7

Grade 7

The English Language Arts course is designed to provide a comprehensive and intensive integrated language arts program including core curriculum values. Instruction in proper grammar usage, the writing process, speaking and listening, vocabulary and an appreciation for reading as a life skill are incorporated into the course. Parallel literature and grammar/writing texts, supplementary materials, and use of varied media are used to achieve language arts literacy. This class meets for two periods daily.

172 English Language Arts 7 with Foreign Language

Grade 7

The English Language Arts course is designed to provide students the complete integrated language arts experience. The course includes the instruction of grammar, the writing process, vocabulary, public speaking, reading skills and an application of multiple learning strategies. Parallel literature and grammar/writing texts, supplementary materials, and varied forms of technological and creative forms are used to achieve this goal. This class meets once daily.

181 English Language Arts 8

Grade 8

English Language Arts 8 continues the integrated mastery of grammar usage, the writing process, speaking and listening skills, and vocabulary. The reading component emphasizes reading strategies, increased comprehension skills, and research-report skills to aid their student-life requirements. This class meets for two periods daily.

182 English Language Arts 8 with Foreign Language

Grade 8

English Language Arts 8 continues an in depth integration of grammar, expanded writing skills, including research-report skills, vocabulary, speech, a deeper appreciation of literature forms, and their connection to other cultures and current issues. Parallel literature, grammar/writing texts, supplementary materials, and varied media are used to achieve this goal. Traditional and creative formats are included in the core curriculum. This class meets once daily.

109 English I H
1 Credit

Level H
Grade 9

This course is designed to provide a comprehensive study of literary genres. The curriculum highlights major works in each of the following genres: short story, Greek drama, poetry, Shakespearean drama, nonfiction, and the novel. Writings of each literary and historical era are correlated with current attitudes and values. Language arts, vocabulary development, and the elements of writing are practiced and reinforced by application in the spoken and written language. Public speaking/presentations are also a required component of the course.

Pre-requisite: An average of 93 in ELA 8 and teacher approval.

111 English I CP
1 Credit

Level 1
Grade 9

This course is designed to introduce the above average student to the various literary genres including poetry, short stories, nonfiction, drama, and the novel through an intense study of examples of the best in literature. The curriculum acquaints the student with literary devices and their application, incorporates correct grammar usage, and vocabulary development. The elements of composition in both the spoken and written language are explored and practiced. The course also has a required public speaking assignment.

Pre-requisite: An average of 85 in ELA 8 and teacher approval.

119 English I
1 Credit

Level 2
Grade 9

This course is designed to introduce the average student to the various literary genres including poetry, short stories, nonfiction, drama, and the novel through an intense study of examples of the best in literature. The curriculum acquaints the student with literary devices and their application, incorporates correct grammar usage, and vocabulary development. The elements of composition in both the spoken and written language are explored and practiced. The course also has a required public speaking assignment. Students are blended with English 1 CP classes. Extra help is provided as needed.

118 ESL English
1 Credit

Level CP
Grade 9-12

This course is designed to transition second language students into the high school curriculum. The fundamentals of grammar, principles of correct usage, and mechanics of writing are reinforced and strengthened. In the first semester special emphasis is placed on evaluation and improvement of English vocabulary and correct grammatical usage in spoken and written language. Colloquial English and idioms in ordinary American English are also addressed.

120 British Literature H
1 Credit

Level H
Grade 10

This course offers an in-depth study of universal themes and traditions found in British literature by focusing on major writers in multiple eras of British culture. Selections cover the beginnings of British literature through modern British authors. Insights are correlated to present attitudes and evaluations. Language arts, vocabulary enrichment and composition skills are integral to the curriculum. Communication through spoken and written expression is stressed, and students are also encouraged to respond creatively to the artistic experience.

Pre-requisite: An average of 93 in English I CP or an average of 88 in English I H and teacher approval.

121 British Literature CP
1 Credit

Level 1
Grade 10

This course is designed to introduce the above average student to the literature of Britain. Insights into major writings of a variety of time periods from Anglo-Saxon literature to modern works are correlated with attitudes and values in today's society. Principles of grammar as they apply to academic writing are taught in conjunction with the study of literature. Vocabulary development and the elements of writing are reinforced and applied in written and spoken expression. While emphasis is placed on the development of the paragraph and full essay composition, creative writing is also included in the course.

129 British Literature
1 Credit

Level 2
Grade 10

This course is designed to introduce the average student to the literature of Britain. Insights into major writings of a variety of time periods from Anglo-Saxon literature to modern works are correlated with attitudes and values in today's society. Principles of grammar as they apply to academic writing are taught in conjunction with the study of literature. Vocabulary development and the elements of writing are reinforced and applied in written and spoken expression. While emphasis is placed on the development of the paragraph and full essay composition, creative writing is also included in the course. To move from Level 2 to CP, students must have an average of 85 and/or teacher approval.

130 American Literature H
1 Credit

Level H
Grade 11

This course is designed for the student working at an advanced level. The curriculum of this course covers the study of American literature from its beginnings to the present. Major writers of each period are covered. Communication through written and spoken language is stressed. Intensive vocabulary enrichment, composition skills and in-depth literary discussion are key components of the course. Analytical essays and a documented research paper are required.

Pre-requisite: An average of 93 in British Literature CP and teacher recommendation; an average of 88 in British Literature H and teacher approval.

- 131 American Literature CP** **Level 1**
Grade 11
1 Credit
- This course is designed for above average students to provide a comprehensive study of American literature from its beginnings to the present. The curriculum highlights major writers in each period and presents examples of the best in each genre. Writings of each historical era are correlated with current attitudes and values. Language arts, vocabulary development, and the elements of writing are practiced and reinforced by application in spoken and written language. A documented research paper is a requirement.
- 139 American Literature** **Level 2**
Grade 11
1 Credit
- This course is designed for average students to provide a comprehensive study of American literature from its beginnings to the present. The curriculum highlights major writers in each period and presents examples of the best in each genre. Writings of each historical era are correlated with current attitudes and values. Language arts, vocabulary development, and the elements of writing are practiced and reinforced by application in spoken and written language. A documented research paper is a requirement. To move from Level 2 to CP, students must have an average of 85 and/or teacher approval.
- 140 AP English Literature** **Level AP**
Grade 12
1 Credit
- This course is an intensive exploration of world literature, particularly emphasizing Greek, British, and American writers. It is designed to develop the advanced student's skills in reading, comprehending, interpreting, and analyzing prose, poetry, and drama at the level of a successful college freshman. The course requires intensive writing, reading and class discussion. **Students are required to take the AP examination in May.**
- Pre-requisite:** An average of 90 in American Literature H; approval of junior honors English teacher and the Advanced Placement English teacher.
- 142 World Literature H** **Level H**
Grade 12
1 Credit
- This course is designed to provide the student with an in-depth study of the novel, drama, poetry, and short story by covering selected multicultural literary works from Greek classics to existential writings. In the development of competence in writing, the students move from the perfection of a paragraph to the multi-paragraph essay, utilizing literature for exposition topics. An emphasis on improving critical thinking and writing is supplemented by vocabulary enrichment, individualized study of language, and practice in the elements of oral communication. Analytical essays are required.
- Pre-requisite:** An average of 93 in American Literature CP; an average of 88 in American Literature H; teacher approval.

141 World Literature CP
1 Credit

Level 1
Grade 12

This course is designed to provide the above average college bound student with an in-depth study of the novel, drama, poetry, and short story by covering selected multicultural literary works from Greek classics to modern writings. In the development of competence in writing, the students move from the perfection of a paragraph to the multi-paragraph essay, utilizing literature for exposition of topics. An emphasis on improving critical thinking and writing is supplemented by vocabulary enrichment, individualized study of language, and practice in the elements of oral communication. Analytical essays are required.

149 World Literature
1 Credit

Level 2
Grade 12

This course is designed to provide the average college bound student with an in-depth study of the novel, drama, poetry, and short story by covering selected multicultural literary works from Greek classics to modern writings. In the development of competence in writing, the students move from the perfection of a paragraph to the multi-paragraph essay, utilizing literature for exposition of topics. An emphasis on improving critical thinking and writing is supplemented by vocabulary enrichment, individualized study of language, and practice in the elements of oral communication. Analytical essays are required. To move from Level 2 to CP, students must have an average of 85 and/or teacher approval.

Social Studies Department

Social Studies represents the integration of all facets of humankind, taking into account their religion, their place in time and space, their interaction with other people and their interaction with nature. Social Studies education engenders respect for varied ways of life, motivates an exchange of ideas, and stimulates a commitment to free people from injustice. It accentuates the individual's need for recognition of his or her accountability to their fellow persons for the development of a productive and meaningful way of life for all people.

273 Civics **Grade 7**

The Civics portion of this course will emphasize a study of government, and individual rights and responsibilities. Students will explore the structure of the federal government, as outlined in the US Constitution, and the organization of state and local governments. Students will develop the skills to make informed decisions, to resolve conflicts peacefully, to articulate and defend positions, and to engage in the civic and political lives of their communities. Students will also become familiar with the economic system of the United States and how it operates. They will also explore their roles as consumers, employees, investors and voting citizens.

281 World History I **Grade 8**

This course is designed to emphasize the development of civilization, empires, government and economy in the Eastern and Western Hemispheres, from ancient Greece to settlements in North and South America. Special emphasis will be placed on primary source analysis, reading comprehension and writing skills.

215 U.S. History I H **Level H**
1 Credit **Grade 9**

This course is designed to study the cultural, political, and economic patterns of American History from 1492, the Age of Columbus, to the Civil War. Special emphasis will be placed on essay construction and primary and secondary source analysis.

Pre-requisite: An average of 93 in World History I and teacher approval.

216 U.S. History I CP **Level 1**
1 Credit **Grade 9**

This course is designed to study the cultural, political and economic patterns of American History from 1492, the Age of Columbus, to the Civil War. Special emphasis will be placed on reading comprehension skills, and primary and secondary source analysis.

218 U.S. History I **Level 2**
1 Credit **Grade 9**

This course is designed to study the cultural, political and economic patterns of American History from 1492, the Age of Columbus, to the Civil War. Special emphasis will be placed on reading comprehension skills, and primary and secondary source analysis.

- 220 World History II H** **Level H**
1 Credit **Grade 10**
 This course is designed to trace the history of the World from the 11th Century through the present. Special emphasis will be placed on the political, social, religious and economic ideas that shaped the modern world.
Pre-requisite: An average of 90 in US History I CP with teacher approval or an average of 88 in US History I Honors with teacher approval.
- 221 World History II CP** **Level 1**
1 Credit **Grade 10**
 This course is designed to show how the world has reacted to the many political, social, and economic changes in the past seven hundred years. There is a focus on the origins and development of government, economy, and society, and an emphasis on writing and reading comprehension.
- 229 World History II** **Level 2**
1 Credit **Grade 10**
 This course is designed to show how the world has reacted to the many political, social, and economic changes in the past seven hundred years. There is a focus on the origins and development of government, economy, and society, and an emphasis on writing and reading comprehension.
- 230 United States History II H** **Level H**
1 Credit **Grade 11**
 This course is designed to trace the history of America from the post-Civil War period through present times. The course focuses on the development of the modern American political system, economy, society and culture. Special emphasis will be placed on document based questions and written analysis. Students will be expected to do an extensive amount of reading and writing for the course as well as evaluate important topics in American History both in and out of the classroom setting.
Pre-requisite: An average of 90 in World History CP with teacher approval or an average of 85 in World History II Honors with teacher approval.
- 231 United States History II CP** **Level 1**
1 Credit **Grade 11**
 This course is designed to trace the history of America from the post-Civil War period through present times. The course focuses on the development of the modern American political system, economy, society and culture. There will be an emphasis on examining primary and secondary documents as well as comprehension of key concepts of American History.

- 239 United States History II** **Level 2**
1 Credit **Grade 11**
 This course is designed to trace the history of America from the post-Civil War period through present times. The course focuses on the development of the modern American political system, economy, society and culture. There will be an emphasis on examining primary and secondary documents as well as comprehension of key concepts of American History.
- 232 AP U.S. History** **Level AP**
1 Credit **Grade 11**
 This course will make demands on students that are equivalent to those of an introductory college course. Students will learn how to read historical evidence, make interpretations and arrive at conclusions on the basis of informed judgment. The course encompasses the United States history from prior to the American Revolution to the present. Requirements of this course include tests, extensive essay writing, significant reading and homework. Summer reading and writing required. **Students taking this course are required to take the AP exam in May.**
Pre-requisite: An average of 93 in World History II CP with teacher approval or an average of 88 in World History Honors with teacher approval.
- 241 Sociology/Psychology CP** **Level 1**
1 Credit **Grade 12**
 This course is designed to provide students with an introduction to the growing fields of sociology and psychology. Students will be introduced to the fundamental principles and theories of sociology and psychology with a special focus on consciousness and unconsciousness, the functions of the brain, genetics, physical, intellectual, moral, emotional, and social development, gender roles, thinking and learning, personality, mental disorders and abnormal behavior, and social inequality. Students have the option of taking this course for college credit through Alvernia University.
- 248 Holocaust Studies CP** **Level 1**
0.5 Credit – Semester Course **Grades 11,12**
 This course is designed to enhance content knowledge of the Holocaust and its relevance to modern contemporary society. The course focuses on visual history, narratives, the complexity of choices made by individuals, and the responsibility of individuals to uphold political, moral and ethical behavior.
Pre-requisite: An average of 82 in U.S. History II (230, 231, 239) or AP U.S. History.

249 Economics CP **Level 1**
0.5 Credit – Semester Course **Grade 11,12**

This course is designed to provide students with a greater understanding of economics. The course will cover topics in both macro and microeconomics, with a heavy emphasis on macroeconomics. Specific topics such as opportunity cost, supply and demand, GDP, game theory, fiscal and monetary policy, trade and the global economy will be covered in the course. The course will use a combination of learning methods including class discussion, document analysis and economic scenarios. A basic understanding of mathematics and graphing will be required.

250 Political Science CP **Level 1**
0.5 Credit – Semester Course **Grade 11,12**

Political Science will focus on the contemporary American political system and how it fits into the greater world. Topics in the course will include the political party system, elections, the role of the Constitution, local politics and government, federalism, modern political thought, and comparative government. The course will involve article analysis, case studies, and class discussions to gain a greater understanding of how politics affects Americans' lives today.

Math Department

The Mathematics Department of York Catholic High School is committed to accomplishing the following:

1. Develop accuracy and facility in performing fundamental mathematical operations.
2. Present the means for developing the ability to analyze and solve problems of varying types and degrees of difficulty.
3. Encourage an understanding of the nature and structure of math so students will be able to apply and communicate basic principles.
4. To develop in the students an appreciation and recognition of the relationships between mathematics and other disciplines.
5. To expose students to calculators, computers and manipulatives through the use of application so students develop appreciation of these tools.
6. To provide multi-level math courses in the high school and three levels in the junior high to meet the needs of all students as well as possible.

371 Pre-Algebra CP

Grade 7

This course is designed to have students master topics within the real number system, integers, graphing in one and two dimensional grids, equations and inequalities, polynomials, and problem solving, with an introduction to geometric concepts, area and volume. Students must maintain a 78 average and have teacher approval to be recommended for Algebra I CP.

372 Pre-Algebra

Grade 7

This course offers an on-going study of the following topics: expression and number properties; operations with functions, decimals and percent's; ratios, and data analysis; geometric configuring with circles and composite figures; and solving equations and inequalities. Tables, graphs and functions are constructed and analyzed. Also included is an introduction of operations with integers, as well as solving equations with rational numbers. Lastly, proportionality, including the introduction of slope, is explored. Students from this class will be recommended to take Algebra I Part 1 in 8th grade.

370 Pre-Algebra Accelerated

Grade 7

This course is designed to have students master topics within the real number system, integers, graphing in one and two dimensional grids, equations and inequalities, polynomials, and problem solving, with an introduction to geometric concepts, area and volume. This is an accelerated course. Students must maintain an average of 88 along with teacher approval to be recommended for Algebra 1 Honors.

381 Algebra 1 CP

Grade 8

This course offers a study of algebra concepts such as the number line, sets of numbers, properties and operations of real numbers, solving linear equations and inequalities. Other topics include polynomials, exponents, factoring, solving quadratic equations, rational algebraic expressions, and graphs of linear equations.

Pre-requisite: An average of 78 in Pre-Algebra CP with teacher approval. Students must maintain an average of 78 to be recommended for Algebra II CP.

382 Algebra I Part 1

Grade 8

This course is the first part of a two part Algebra series. It is for students who need extra time on mathematical concepts and a slower pace in class. Part 1 will cover: variables, grouping symbols, translating problems into equations, adding, subtracting, multiplying and dividing real numbers, transforming equations, equations with variables on both sides, exponents, working with polynomials, factoring and solving equations using factoring. Upon completion of this course, students will take Algebra 1 Part 2 the following year.

380 Algebra I Accelerated

Grade 8

This course offers an in-depth study of solving equations, inequalities, problem solving, polynomials, exponents, factoring, rational expressions, radicals, and graphs of linear and quadratic equations. This is an accelerated course.

Pre-requisite: An average of 88 in Pre-Algebra, high standardized test scores, and teacher approval. Students must maintain an average of 88 to be recommended for Algebra II Honors.

**383 Algebra I Part 2
1 Credit**

**Level 2
Grade 9**

This course is the second part of a two year Algebra series. Students will take this course upon completion of Algebra I Part 1. Part 2 will cover the following: working with algebraic fractions, application problems in solving algebraic fractions, functions, slope of a line, linear and quadratic functions, direct and indirect variation, systems of equations, and solving inequalities. Upon completion of this course, students will take Geometry.

**312 Algebra I CP
1 Credit**

**Level 1
Grade 9**

This course offers a study of concepts such as the number line, sets of numbers, properties and operations of real numbers, solving linear equations and inequalities. Other topics include polynomials, exponents, factoring, solving quadratic equations, rational algebraic expressions, and graphs of linear equations.

Pre-requisite: An average of 78 in Algebra I CP with teacher approval. Students must maintain an average of 78 to be recommended for Geometry CP.

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Note: Students who did not complete Algebra 1 until 9th grade, but wish to take Calculus in 12th grade, can do so by doubling up on math courses their junior and senior year. The student must earn a 95 average in both Algebra 1 CP and Geometry CP for this option and must have teacher approval.

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322 Geometry CP
1 Credit

Level 1
Grade 10

This course concentrates on plane geometry with some applications to solid geometry. It shows the significance of undefined terms, assumptions, theorems and informal proofs as a pattern of a mathematical system and logical thought. There is a strong application to coordinate geometry, slope, areas and volumes. Students will study geometric constructions, have an introduction to special right triangles and trigonometry. Life applications are emphasized.

Pre-requisite: An average of 78 in Algebra I CP with teacher approval, or an average of 95 in Algebra I with teacher approval. Students must maintain an average of 78 to be recommended for Algebra II CP.

328 Geometry
1 Credit

Level 2
Grade 10

This course offers the study of geometric terminology and symbolism, and deductive reasoning as it relates to geometric concepts. Also included is the study of points, lines, planes, polygons and coordinate geometry. Students will use the compass, protractor and MIRA for geometric constructions. Students from this class will be recommended to take Algebra II.

Pre-requisite: Algebra I students from this class will be recommended for Algebra II.

320 Geometry H
1 Credit

Level H
Grades 9-11

This course offers the study of points, lines, planes, and congruent and similar figures. It shows the significance of deductive reasoning by studying formal and informal proofs as a pattern of logical thought. Students will use different tools to develop concepts of special right triangles, trigonometry, slope and transformational geometry. Connections with other branches of mathematical and real life applications are emphasized.

Pre-requisite: An average of 95 in Algebra I CP with teacher approval, an average of 88 in Algebra II Honors with teacher approval.

330 Algebra II H
1 Credit

Level H
Grades 9-11

This course offers a study of the algebraic structure of the real number system. Content includes solving and graphing linear, quadratic, and polynomial equations and inequalities, systems of equations and inequalities, polynomials, radicals, and complex numbers. Additional topics include slope, functions, and rational algebraic expressions.

Pre-requisite: an average of 88 in Geometry H and teacher approval, an average of 95 in Geometry CP and an average of 95 in Algebra I CP with teacher approval, or an average of 88 in Algebra 1-H. Students must maintain an average of 88 to be recommended for Geometry H or Trig/PreCalc H.

- 332 Algebra II CP** **Level 1**
1 Credit **Grades 9-11**
 This course offers a study of the algebraic structure of the real number system. Topics include linear equations and inequalities, slope systems of equations, graphing of polynomial and radicals. Also included are quadratic equations, rational algebraic expressions and complex numbers.
Pre-requisite: An average of 78 in Geometry CP with teacher approval, an average of 95 in Geometry, an average of 95 in Algebra I with teacher approval, or an average of 78 in Algebra I CP with teacher approval. Students must maintain an average of 78 to be recommended for Algebra III/Trig.
- 338 Algebra II** **Level 2**
1 Credit **Grades 9-11**
 This course offers a study of real numbers, linear sentences, systems of equations, factoring polynomials, and solving quadratic equations. Also included are rational algebraic expressions, complex numbers, and functions.
Pre-requisite: Geometry and Algebra 1. Students from this class will be recommended to take Algebra III/Trig.
- 343 Trigonometry H** **Level H**
.5 Credit **Grades 11,12**
 Trigonometry offers the study of the trigonometric functions and their graphs. Topics include finding values and applications for the trigonometric functions, and trigonometric identities.
- 331 Pre-Calculus H** **Level H**
.5 Credit **Grades 11,12**
 Pre-Calculus offers the study of number systems, polynomial equations and inequalities. Topics include distance, midpoint, slope, conics, relations, and functions. The graphing calculator is used in this course.
Pre-requisite: An average of 88 in Algebra II-H and teacher approval. Students must maintain an average of 80 to be recommended for Calculus.
- 342 Algebra III/Trigonometry CP** **Level 1**
1 Credit **Grades 11,12**
 The first part of this course offers topics from Algebra including factoring, solving higher order equations and inequalities, rational algebraic expressions, radicals, complex numbers, quadratic equations, the quadratic formula and completing the square, and conics. Trigonometry concepts covered also include special right triangles, the definition of the six trigonometry functions and their graphs, finding values for trigonometric functions, radian and degree measure, and trig identities.
Pre-requisite: An average of 78 in Algebra II CP.

348 Algebra III/Trigonometry
1 Credit

Level 2
Grade 12

This course offers the study of polynomials, linear equations and inequalities and their graphs. Topics include functions, radicals, quadratic equations, and the quadratic formula. Trigonometry offers the study of the trigonometric functions. Topics include the Pythagorean Theorem, finding values for trigonometric functions, graphs of trigonometric functions, and simple identities.

344 AP Calculus AB
1 Credit

Level AP
Grade 12

The purpose of this course is to prepare students to take the Advanced Placement exam, for which placement and/or credit may be awarded at the college level if a qualifying score is obtained. This course begins with the study of limits and function continuity. An intense study of derivatives and integrals, with a strong concentration on application problems is included. The course culminates with a preparation for the AP Calculus test. A graphing calculator is required for this course, and can be rented from the math department. **Students taking this course are required to take the AP exam in May.**

Pre-requisite: Trig/Pre-Calc H and teacher approval.

349 Calculus H
1 Credit

Level H
Grade 12

This course offers the study of limits and derivatives and applied problems involving these concepts. Other topics include related rates, sketching curves, logarithmic and exponential functions, integration and a preliminary study of differential equations. A graphing calculator is used extensively in this course.

Pre-requisite: An average of 85 in Trig/Pre-Calc H with teacher approval.

345 Online Statistics
0.5 Credit

Level H
Grades 11,12

This course will emphasize an introduction to statistics including organizing data and calculating measures of central tendency and variability. Other topics include probability, sampling, hypothesis testing, and linear regression. A calculator with statistical capabilities is required, such as a TI-84, which can be rented from the math department.

Pre-requisite: Algebra II

Foreign Language Department

The study of foreign language serves to introduce students to varying cultural, societal and language norms. Respect, understanding and appreciation for differing customs are the goals of language study. At York Catholic High School students may elect to study one of three foreign languages, Spanish French, or Latin. Within all languages the concentration is the development of listening, reading, writing, and speaking skills and continued student growth.

473 French 7

Grade 7

The French 7 and 8 courses introduce the language within the context of the contemporary French-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading and writing activities. Spanish 7 and Spanish 8 combined equate to a Level I course.

Pre-requisite: Students beginning French in Grade 7 must have strong grades in Language Arts and teacher recommendation.

483 French 8

Grade 8

The French 7 and 8 courses introduce the language within the context of the contemporary French-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading and writing activities. Spanish 7 and Spanish 8 combined equate to a Level I course.

Pre-requisite: Passing grade in French 7 and teacher approval.

474 Spanish 7

Grade 7

The Spanish 7 and 8 courses introduce the language within the context of the contemporary Spanish-speaking world and its culture. Emphasis is given to the development of listening, understanding, reading and writing skills, forming a foundation of grammar and language structures. The vocabulary presented relates to the students' world and encourages practical use of the language. Spanish 7 and Spanish 8 combined equate to a Level I course.

Pre-requisite: Students beginning Spanish I in Grade 7 must have strong grades in Language Arts and Teacher recommendation.

484 Spanish 8

Grade 8

The Spanish 7 and 8 courses introduce the language within the context of the contemporary Spanish-speaking world and its culture. Emphasis is given to the development of listening, understanding, reading and writing skills, forming a foundation of grammar and language structures. The vocabulary presented relates to the students' world and encourages practical use of the language. Spanish 7 and Spanish 8 combined equate to a Level I course.

Pre-requisite: Passing grade in Spanish 7 and teacher approval.

- 414 Spanish I CP** **Level 1**
1 Credit **Grades 9-11**
This course introduces the language within the context of the contemporary Spanish-speaking world and its culture. Emphasis is given to the development of listening, understanding, reading and writing skills, forming a foundation of grammar and language structures. The vocabulary presented relates to the students' world and encourages practical use of the language.
Pre-requisite: Students must have a 75 average in English CP and teacher approval.
- 423 French II CP** **Level 1**
1 Credit **Grades 9-11**
The second level of language continues the acquisition of correct pronunciation and intonation, as the students hear and respond more in the language. Basic grammatical and vocabulary skills are expanded and the students do some imitative composition. The culture of the target language countries is highlighted through related readings. The ability to speak and read the language without resorting to translation is encouraged.
Pre-requisite: Students must have a minimum average of 75 in Level I and teacher approval.
- 424 Spanish II CP** **Level 1**
1 Credit **Grades 9-11**
The second level of language continues the acquisition of correct pronunciation and intonation, as the students hear and respond more in the language. Basic grammatical and vocabulary skills are expanded and the students do some imitative composition. The culture of the target language countries is highlighted through related readings. The ability to speak and read the language without resorting to translation is encouraged.
Pre-requisite: Students must have a minimum average of 75 in Level I and teacher approval.
- 433 French III CP** **Level 1**
1 Credit **Grades 10,11**
This course further develops the student's ability to use the target language in speaking and in writing. The course is grammar intensive and oral and reading comprehension skills are improved. This course will help students to acquire knowledge of the culture and the history of the target countries.
Pre-requisite: Students must have a minimum average of 80 in Level II and teacher approval.
- 434 Spanish III CP** **Level 1**
1 Credit **Grades 10,11**
This course further develops the student's ability to use the target language in speaking and in writing. The course is grammar intensive and aural and reading comprehension skills are improved. This course will help students to acquire knowledge of the culture and the history of the target countries.
Pre-requisite: Students must have a minimum average of 80 in Level II and teacher approval.

- 443 French IV H** **Level H**
1 Credit **Grades 11,12**
 This Honors course increases the student's ability to use the foreign language as a means of communication both orally and through the written word. This course will help the students deepen their knowledge of the culture and the history of the target language countries. Students will expand their reading, writing and speaking skills in the language. The class will be conducted in the target language and students will be required to participate in class discussions.
Pre-requisite: Students must have a minimum average of 85 in Level III and teacher approval.
- 444 Spanish IV H** **Level H**
1 Credit **Grades 11,12**
 This Honors course increases the student's ability to use the foreign language as a means of communication both orally and through the written word. This course will help the students deepen their knowledge of the culture and the history of the target language countries. Students will expand their reading, writing and speaking skills in the language. The class will be conducted in the target language and students will be required to participate in class discussions.
Pre-requisite: Students must have a minimum average of 85 in Level III and teacher approval.
- 454 Spanish V H** **Level H**
1 Credit **Grade 12**
 In this Honors course, students will refine those language skills which were acquired in the previous levels with a special emphasis on reading, writing, listening and oral communication. Students will read novelettes and learn how to express their thoughts orally and in composition. Understanding of culture and art is stressed. The class will be conducted in the target foreign language and students will be required to participate in class discussions in the target language. The courses have a dual-enrollment option from Alvernia University through which students have the opportunity to earn 6 college credits from Alvernia University Intermediate Spanish 1 & 2. Dual enrollment information will be available in the fall.
Pre-requisite: Students must have a minimum average of 85 in Level IV and teacher approval.
- 415 Latin I CP** **Level 1**
1 Credit **Grades 11,12**
 This year long course introduces Latin with a focus on comprehension through reading, writing and translation. There will be a strong emphasis on grammar, vocabulary, and sentence structure, especially as it relates to the English language. Basic prefixes, suffixes, and roots of vocabulary and word families will be studied. Students will also be introduced to the culture of the Roman people and their influence on Western culture, as time allows. The study of Latin would be beneficial to collegiate study in almost any discipline, to include science and medicine.
Pre-requisite: Students must have a 85 average in English CP and teacher approval.

Science Department

The science curriculum consists of those courses, activities and units of instruction which are designed to meet every student's educational needs related to science. Emphasis is placed on:

1. The importance of major scientific principles and their understanding and application
2. The development of competence in the use of methods of science
3. The development of desirable attitudes, interest and an appreciation of science and its application
4. The recognition of and preparation for the role of science in the evolving biological, chemical and physical technological age.

The curriculum provides opportunities for all students to study science to meet their common needs and interests. The science educators strive to provide for individual differences and differential growth within the framework of the science curriculum. An outgrowth of this should be independent academic responsibility.

571 Life Science

Grade 7

This course emphasizes the awesome diversity of God's creation in living organisms and their relationships with the environment. Concepts and process skills, scientific method and application to solve problems center on the structure and functions of the organisms. All students in the 7th grade are required to write a Design an Experiment report using scientific method.

581 Earth Science

Grade 8

The Earth Science program introduces and develops an understanding of planet Earth. Areas of geology, oceanography, meteorology, and astronomy are covered. All students in the eighth grade are required to write a Design an Experiment report using scientific methods. The course presents a thematic orientation, emphasizing scientific thinking, process skills for problem solving, and applying scientific methods.

509 Biology I H 1 Credit

**Level H
Grades 9,10**

This course is designed as an introduction to the major biological themes as well as a survey of the kingdoms of life. The three major topic areas to be covered are: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. Students will participate in related laboratory activities as well as engage in research of various topics. All students are required to complete a Science Fair project.

Pre-requisite: An average of 93 in Earth Science, a 93 in Physical Science; an 88 in Algebra I Accelerated, a 93 in Algebra I CP, an 88 in Algebra II H, and teacher approval.

511 Biology I CP
1 Credit

Level 1
Grade 10

This course emphasizes the broad concepts applicable to all living systems and details the diversity of processes, structures and organisms related to the unifying principles and features of all life. The organization, uniqueness and chemical aspects of life are discussed as they apply to the different types of organisms. Cell energy ties the chemical aspects of living systems to the structure and function of the cell. Reproduction is analyzed in terms of the cell, genetics and biochemistry. Inclusive topics considered are the principles of taxonomy and a survey of the six kingdoms of life. The course material is reinforced by laboratory sessions where investigations pertinent to lecture material stress scientific principles rather than mere scientific facts.

519 Biology I
1 Credit

Level 2
Grade 10

This course is a survey of biology concepts. The course focuses on the six themes of biology. The first half of the year explores the key concepts of cell biology, i.e., the organelles, homeostasis, genetics, and biochemistry. The rest of the year is a survey of the six kingdoms; focusing on the kingdom's characteristics, dissections, behavior and evolution of the species. The course material is reinforced by laboratory sessions where investigations pertinent to lecture material stress scientific principles rather than mere scientific facts.

521 Physical Science CP
1 Credit

Level 1
Grade 9

Physical Science is a practical study of the relationship between matter and energy. The course is divided into two main branches, chemistry and physics. It examines the diversity of matter, its composition, and chemistry. It probes the dynamics of the various forms of energy, their origins, transformations and applications in the world of today and tomorrow. Throughout the course, scientific principles are reinforced through activities and experiments.

529 Physical Science
1 Credit

Level 2
Grade 9

Physical Science is a study of matter and energy. This course provides students with the basic knowledge of physical science as it relates to them and to their range of experiences. The approach of this course emphasizes everyday applications of physical laws. The course is designed for the freshman student who, in most cases, will not continue with chemistry or physics.

530 Chemistry I H
1 Credit

Level H
Grades 10,11

The objective of the honors chemistry course is to give the student a greater understanding of basic physical concepts. Coupled with laboratory experience, basic skills and techniques are stressed. The scope of the course extends from atomic structure to chemical equilibrium. It attempts to present the student with an in-depth theoretical background which can be applied to everyday experience. All students are required to complete a Science Fair project and participate in the Science Fair competition.

Pre-requisite: An average of 95 in Geometry I CP, an 88 in Geometry H; a 93 in Biology I CP, or an 88 in Biology H and teacher approval.

531 Chemistry I CP
1 Credit

Level 1
Grades 11,12

Chemistry 531 is organized around a central theme: the properties of matter as a consequence of its structure. The basic sequence of study deals with the structure of the atom, matter-energy relationships, the mole concept, thermodynamics, and chemical equilibrium. With a detailed explanation and the use of additional drill, students should develop a sense of confidence in material in order to gain a better understanding of concepts and increase their ability to predict consequences.

Pre-requisite: An average of 82 in Geometry CP, a 93 in Geometry, an 82 in Physical Science CP, a 93 in Physical Science, an 82 in Biology CP, a 93 in Biology, and teacher approval. Juniors must have 85 in Algebra II CP or a 93 in Algebra II and approval of Science Department Chair.

555 AP Chemistry
1 Credit

Level AP
Grade 12

This course relies on a basic understanding of the principles and theories of chemistry and includes stoichiometry, atomic and molecular structures, the periodic law and its applications, solutions, gas laws, thermodynamics, kinetics, acids and bases, chemical equilibrium, electrochemistry, basic organic chemical nomenclature and reactions, and fundamental descriptive chemistry. Students are required to complete a Science Fair project. **Students taking this course are required to take the AP exam in May.**

Pre-requisite: An average of 90 in Chemistry I H, a 90 in Physics I H, an 88 in Trig/PreCalc; teacher approval.

540 Physics I H
1 Credit

Level H
Grade 11

The physics program is designed to introduce and develop an understanding of the physical world. All physical phenomena are described in terms of two fundamental concepts: matter and energy. This course covers application of physics in daily living with emphasis on the theory as well. A Science Fair project is required for this course.

Pre-requisite: An average of 85 in Chemistry I H. Must be taking Trig/ Pre-Calc H.

541 Physics I CP
1 Credit

Level 1
Grade 12

The physics program is designed to introduce and develop an understanding of the physical world. All physical phenomena are described in terms of two fundamental concepts: matter and energy. This course covers the applications of physics in daily living.

Pre-requisite: An average of 82 in Chemistry I CP.

546 Anatomy and Physiology CP
1 Credit

Level 1
Grades 11,12

Human Anatomy and Physiology is an honors course designed to prepare students interested in the medical field. The anatomy and physiology of the major organ systems are studied in depth. Students participate in laboratory activities relevant to the corresponding topics. Dissections of the bullfrog, cat, and various mammal organs are used for both discovery and mastery of information. A Science Fair project is required.

Pre-requisite: An average of 85 in Biology I Honors, 85 in Chemistry I Honors, 88 in Biology I CP, and teacher approval; an 88 in Chemistry I CP and teacher approval.

547 Anatomy and Physiology Honors
1 Credit

Level H
Grades 11,12

Human Anatomy and Physiology is an honors course designed to be preparatory for students interested in the medical field. The anatomy and physiology of major systems are studied in depth. Students participate in laboratory activities relevant to the corresponding topics. Dissections are used for both discovery and mastery of information.

Pre-requisite: An average of 85 in Biology I Honors, an 85 in Chemistry I Honors, a 93 in Biology I CP with teacher approval, or a 93 in Chemistry I CP with teacher approval.

552 Environmental Science CP
1 Credit

Level 1
Grades 11,12

Environmental science is a study of how humans interact with the biotic and abiotic factors that make up the biosphere. This course provides students with knowledge of the types of environmental problems they will encounter as the earth's population - consumption crisis continues to increase, and as people compete for the use of its renewable and nonrenewable resources. This course requires students to recall what they have learned in general science, earth science, physical science, and biology to understand the complex systems and cycles to which the environment must adjust. Being extraordinarily complex, environmental problems often defy easy answers and quick solutions. Therefore, the emphasis of this course is the study of science and the development of thinking and decision-making skills which students will need as they take part in society.

558 Environmental Science
1 Credit

Level 2
Grades 11,12

Environmental science is a study of how humans interact with the biotic and abiotic factors that make up the biosphere. This course provides students with knowledge of the types of environmental problems they will encounter as the earth's population consumption crisis continues to increase, and as people compete for the use of its renewable and nonrenewable resources. This course requires students to recall what they have learned in general science, earth science, physical science, and biology to understand the complex systems and cycles to which the environment must adjust. Being extraordinarily complex, environmental problems often defy easy answers and quick solutions. Therefore, the emphasis of this course is the study of science and the development of thinking and decision-making skills which students will need as they take part in society.

560 Marine Science - CP
Semester Course 0.5 Credit

Level 1
Grades 11,12

Marine science is the study of the oceans, their features, ecosystems, and more. This half-year course is meant for students intending to major in a similar or related field, and it will look at the four major components of the marine science discipline: physical, geographical, chemical, and biological. This class will do a number of required dissections, as well as many projects and laboratories.

Pre-requisite: An average of 82 in Biology I CP or Honors Biology I.

565 Scientific Research Methods
and Writing H
Semester Course 0.5 Credit

Level H
Grade 9-12

The purpose of this course is to equip students with the knowledge and skills necessary to choose an interesting science fair question to research, to carry out a detailed literature review, to complete a valid study using the experimental method, and to report results in cohesive research paper and poster formats. The final project for this course will be a well-developed science question and a thorough literature review for the student's future science fair project. Other topics covered in the course include identification of unbiased sources, documentation of results, paraphrasing and plagiarism, proof-reading, and how to utilize Excel to represent data with graphs.

Prerequisite: Must be enrolled in an honors science course.

Computer/Business Department

646 Comprehensive Business Technology
1 Credit

Level 1
Grades 11,12

This course is provided to meet the needs of alert, college-preparatory students who have not yet had a business course. The curriculum includes units of varying topics and duration including: communication, economics and law, entrepreneurship, interview and job-seeking skills, marketing, mathematics of financial transactions, personnel management and tax preparation. The challenging variety of this course builds confidence so the student is better prepared to meet the technicalities and requirements of post-high school years. This course has a dual enrollment option for college credit through Alvernia University as Introduction to Business.

Pre-requisite: College-preparatory students in grades 11 and 12; general average of 80.

651 Accounting I
1 Credit

Level 1
Grades 9-12

This full-year course is for students who are planning a career in accounting or entrance into the business world after graduation. Up-to-date materials, procedures, and terminology prepare the student to understand the accounting cycle. This is the study of a manual accounting system's basic concepts and principles including payroll. The course content includes a simulation set and the use of special journals.

Pre-requisite: General average of 80 or teacher approval.

663 Business Management
1 Credit

Level 1
Grades 11,12

In this course, the general purpose is to present the business student with a solid foundation about what business is, how it operates, and how it is managed. The study will include aspects of developing management concepts, such as office organization, communications, effective supervision of office activities, human relations, office personnel policies, analyzing office jobs, and work standards. A basic understanding of business principles and management is needed by everyone who plans a career in business. In addition to class work, in-depth research and report work will be required.

Pre-requisite: General average of 80.

664 Personal Finance CP
0.5 Credit

Level 2
Grades 11,12

This one semester course will introduce students to personal finances and individual choices that influence career earnings and lifetime goals. Students will create resumes, design personal and household budgets, learn the importance of check writing and bank reconciliation, gain knowledge in debt and credit management, and evaluate and understand the purchasing of an automobile, a home, and insurance.

680 Digital Imaging
1 Credit

Level 1
Grades 9-12

This course will introduce students to the use of digital imaging applications. Students will be introduced to Adobe Photoshop Creation software. This is a project based course with students learning to manipulate software to produce original creations. Understanding the importance of observing copyright and intellectual property rights will also be key learning objectives in this course. Students interested in careers in graphic design, web page design/programming, engineering, or journalism may be interested in this course.

672 Virtual High School Electives
0.5 Credit

Grades 9-12

Virtual High School offers a wide array of elective offerings for the student interested in an independent online course. To browse through the course catalog visit www.thevhscollaborative.org. Click on Programs and Courses, and then catalog. In order to be considered for an online elective, students must have maintained an 85 mid-year average in all courses. Space is limited; seniors have priority.

913 Computer 7

Grade 7

This first year enrichment course is designed to give students an introduction to the software and systems used at York Catholic. During this course, students will practice typing, word processing, spreadsheet, and presentation skills. Students will also work on becoming a better Digital Citizens as well as explore other computer applications and study skills to help them be successful in junior high, high school, and beyond.

924 Computer 8

Grade 8

This second year enrichment class is designed to give students an improved understanding of computers, software, as well as the impact of the internet and other technology on the world around them. With specific units and assignments, students will become more proficient with various computer applications including word processing, spreadsheet, presentation software, as well as internet usage in general. In addition, students will develop appropriate research skills by learning to use the online databases available through the York Catholic Library. Students will also be introduced to the MLA format of writing research papers and citing sources.

Art Department

The Art program of York Catholic High School is essential to the total education of the student. It helps him/her to realize his uniqueness as a person and to respect differences in others by giving him/her the opportunity to think independently and communicate creatively. The student's life is enriched through personal satisfaction, awareness of environment, and through aesthetic enjoyment by learning to see and appreciate.

912 Art 7 **Grade 7**

Seventh grade art enrichment course introduces the basic elements of art as the fundamental building blocks, which comprise a work of art. Class projects present creative/critical thinking problems and utilize a variety of materials for completion.

922 Art 8 **Grade 8**

Eighth grade art introduces students to the principles of design. Emphasis on understanding composition, as it relates to a balanced and unified arrangement of the art elements, is an integral part of this course. Various art styles and the art of world cultures will be integrated into the course curriculum.

711 Art I **Level 1**
1 Credit **Grades 9-12**

Art I introduces students to an in-depth study of the art elements and principles of design. Through a concentration on drawing and painting techniques, students will be encouraged to create original artwork, which reflects their knowledge of concepts presented in each unit of study. Personal expression and independent critical thinking are integral parts of this course.

712 Artistic Expression **Level 2**
1 Credit **Grades 9-11**

Do you like to create art but just don't think you have enough talent? This class may be for you! In this class you will explore the many ways you can express yourself creatively even if you do not have strong drawing skills. Discover how to make interesting, expressive art out of newspaper, cardboard, magazines, scribbles, words, your name, photos and paint "splashes." You will be amazed at the art you can create while exploring your inner self.

721 Art II **Level 1**
1 Credit **Grades 10-12**

This course provides further exploration into value study, portrait work, watercolor, perspective, design, painting and sculpture. The student will have a better understanding and proficiency in handling the different media and will further develop his/her own artistic talent.

Pre-requisite: 85 average in Art I and teacher approval.

- 731 Art III** **Level 1**
1 Credit **Grades 11,12**
 Art III is intended for serious art students who plan to further their education in art. Projects in abstract thinking, in-depth drawing and design, printmaking, oil or acrylic painting, 3-D design and sculpture are explored with a greater emphasis on the individual's skills and personal goals in Art.
Pre-requisite: 87 average in Art II and teacher approval.
- 741 Art IV** **Level 1**
1 Credit **Grade 12**
 This course is considered more of an independent study. Projects and curriculum will be developed according to the student's personal strengths and preferences for his/her style in Art. Portfolio work will be emphasized.
Pre-requisite: 90 average in Art III and teacher approval.
- 821 Survey of Art (Minor)** **Level G**
0.25 Credits **Grade 10**
 This course is designed to give the student a general overview of Art History and an appreciation for the visual arts. Course material will be presented in chronological order through lecture, slide, video and textbook format. The student will develop an understanding that art is a universal form of individual expression, which reflects culture in history from pre-historic times to present day. This course is a required minor for sophomores.

MUSIC DEPARTMENT

It is the continuing philosophy of the music department of York Catholic High School to provide students with a broad array of educational opportunities for the development of abilities in music and the performing arts. Through competitive and noncompetitive evaluation and instruction, the primary goal is to promote the ongoing development and mastery of cumulative technical and artistic skills reflecting contemporary educational principles. We ascribe to the concept that artistic, aesthetic, and creative standards must be joined with positive inspiration, recognition, and dignity for all the participants. Performance opportunities must promote and assist in the educational development of the students to achieve their greatest potential.

911 Music 7

Grade 7

Music 7 is a required course for all seventh grade students. Through singing, playing, composing, listening, group discussion and various classroom and individual activities, students will broadly explore the field of music. Topics will include music notation and terminology, western and non-western music, musical theater, copyright law and composition.

921 Music 8

Grade 8

Music 8 is a required course for all eighth grade students. This course will further explore music through singing, listening, playing, composing, and various classroom activities. Focus is placed on music genres, musical elements, composition, music reading, and notation students will have the opportunity to play the ukulele and the keyboard.

822 Survey of Music (Minor)

Level G

0.25 Credit

Grade 9

A required course for all High School students, this class aims to expose students to music and music history from medieval to contemporary times. Through listening, lecture, discussion and classroom activities, students will explore representative composers, their styles and their compositions and connect current music styles to their roots in the past.

820 Junior High Band

Level G

0.5 Credit

Grades 7,8

Junior High Band is offered to all beginning and advanced instrumental music students in 7th and 8th grade. Students will learn about the various styles of instrumental music. Students may participate in the following ensembles: jazz band, percussion ensemble, and marching band. Students will participate in school concerts.

- 840 Senior High Band** **Level 1**
0.5 Credit **Grades 9-12**
 Senior Band forms the backbone of all instrumental ensembles in the school. Student leadership is encouraged wherever possible, and all members are guided to the realization that personal commitment and self-discipline are an integral part of any performing organization. Senior Band provides students the opportunity to perform in an organized group setting, and at the same time improve their skills through musical exercises, practice, sight-reading, school rehearsals, and public performances. Students in grades 9-12 will be selected for Concert Band. Marching Band will be an extra-curricular activity. Members are eligible to audition for representation at District, Regional and Honors Band
Pre-requisite: Instrumental training.
- 850 Senior High Choir** **Level 1**
1.0 Credit **Grades 9-12**
 Choir is open to any student interested in singing. The ensemble meets daily. Its aim is to promote a high level of musical artistry by developing skills in style, diction, vocal technique and choral singing. Repertoire for this group consists of a variety of challenging musical literature from classical through contemporary composers. This ensemble performs twice annually. Singers in this group are eligible to audition for representation at District, Regional and Honors Chorus.
- 851 Junior High Choir** **Level G**
1.0 Credit **Grades 7, 8**
 Junior High Choir is open to any student interested in singing. The ensemble meets daily. Its primary objective is to develop skills in vocal technique, sight singing, ear training, unison and part-singing, diction and musical style in the security of a larger ensemble. Students are exposed to a variety of musical styles and forms. This group will have the opportunity to perform in the annual Christmas and Spring Concerts.
- 858 Introduction to Theater** **Level 1**
0.25 Credit- Semester Course **Grades 9-12**
 This course, which meets four times per cycle for a semester, is designed for students interested in exploring all aspects of music theater. It includes history and literature as well as the logistical aspects of theater productions. Part of the course will be devoted to classic acting techniques, improvisation exercises, monologues, audition skills and commedia dell'Arte scripts.
- 842 Beginner Guitar** **Level 1**
0.25 Credit- Semester Course **Grades 9-12**
 Beginning Guitar introduces students with little or no musical background to the fundamentals of music reading and the pleasure of interpreting basic solo and accompaniment techniques on the guitar. Students will learn about their instrument, rhythm, pitch, intervals, chords and how to play notes and chords on the guitar. Students are required to provide their own guitar and pick.

Physical Education/Health Department

People who exercise regularly tend to live longer and are less likely to suffer from degenerative diseases. Sports usually considered lifetime in nature are best learned and practiced during the adolescent years. Such sports can provide the medium for regular physical activity throughout life. The general aim of the physical education program is to aid in the physical, social, and emotional development of each student through participation in physical activities, sports, and games.

Activities include movement exploration activities, low organization activities, individual and dual activities, team sports, rhythmic activities, tumbling, fitness and cooperative learning activities. The planned four-year Physical Education program is designed to:

1. Assist students to attain and maintain a desirable level of physical fitness.
2. Promote an understanding of the relationship between regular physical activity health.
3. Develop an understanding of the fundamentals, rules, and skills of various sports.
4. Provide sports, games, and other physical activities that promote self-confidence, teamwork, sportsmanship, and competency for participation in physical activities later in life.

A passing grade in each of the four years of physical education is required for graduation.

807	Physical Education	Grade 7
808	Physical Education	Grade 8
801	Physical Education-Boys 0.25 Credit	Level G Grades 9,10
802	Physical Education -Girls 0.25 Credit	Level G Grades 9,10
809	Physical Education -Boys 0.25 Credit	Level G Grades 11,12
810	Physical Education -Girls 0.25 Credit	Level G Grades 11,12
806	Health 0.25 Credit	Level G Grade 11

The health course is designed to help every student acquire good health habits and an understanding of the conditions necessary for maintaining physical and emotional well-being. The course includes lifetime wellness information related to physical activity and nutrition, mental and emotional health, drug education, and diseases. A passing grade is required for graduation.

923 Health (Minor)

Grade 8

Health Enrichment is a course which includes a strong emphasis on drug education and awareness. It is also designed to use strategies which increase each student's self-esteem and decision-making skills.

781 Child Development

Level 1

0.5 Credit– Semester Course

Grades 10-12

The goal is to provide the student with the awareness that development includes not only physical maturation but also an understanding of how social, emotional, and intellectual development are fostered and hindered. These classes will instill in the student an appreciation for the parenting skills needed to raise a family in today's society, and emphasize the care of the mother and child during pregnancy and the development of the child from birth to age six.