

**York Catholic High School
Course Catalog
2023-2024**



**YORK CATHOLIC
HIGH SCHOOL**

**601 East Springettsbury Avenue
York, Pennsylvania 17403**

Table of Contents

Preface	3
Philosophy, Mission, and Belief Statements.....	4
Graduation Requirements.....	5
Levels of Study	6
Additional Educational Opportunities (College in the Classroom, Dual Enrollment).....	6
Additional Educational Opportunities (Virtual High School, York County School of Technology	7
NCAA, Grade Point Average	8
Quality Points Table	9
Education Plan.....	10
Sequence of Courses.....	11
Theology Department	13
English Department	15
Social Studies Department.....	19
Math Department	22
Foreign Language Department	26
Science Department	29
Business/Computer Department	34
Art Department.....	36
Music Department.....	37
Physical Education Department	39
Additional Educational Opportunities	41

Preface

Welcome to York Catholic High School's course selection process for 2023-2024. 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. Students in grades 9-12 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 courses it is important to remember:

- All high school students are required to take six major classes per year 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.

Our Philosophy

We, the community of York Catholic Middle & 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 and the Diocese of Harrisburg.

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

Guided by a Christian moral compass, we educate our students in an atmosphere of faith, family, and mutual respect, preparing them to serve the global community.

Belief Statements

- We believe in a faith community that promotes Gospel values and a Christian moral compass.
- We believe in valuing and respecting each individual in a safe educational environment.
- We believe collaboration between our students and highly qualified, compassionate faculty fosters academic excellence and lifelong learning.
- We believe everyone is created in the image of God and we strive to develop the faith, heart, body, and mind of each student.
- We believe in the value of diversity and equity, and in each individual's unique God-given talents and gifts.
- We believe in the respect and dignity of human life in an atmosphere based on Catholic moral values.
- We believe in stewardship, promoting the betterment of our school, church, community, country, and world.
- We believe service to others is not only a witness to our faith, but a lifestyle.
- We believe in the importance of self-discipline and personal accountability in the development of our students.

High School 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 Department of Education of the Diocese of Harrisburg. A minimum total of 25 credits over four years is required for graduation, to include a Theology credit for each year of attendance at York Catholic High School.

Required Courses and Credits for Graduation

Theology	4.0 Credits
English	4.0 Credits
Social Studies	3.0 Credits
Mathematics	3.0 Credits
Science	3.0 Credits
Electives/Arts/Humanities	6.75 Credits
Health	0.25 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. Academic credits attempted and earned become part of the permanent record of the student and are listed on the transcript.

Levels of Study

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

Advanced Placement: These are college level courses offered in accordance with the national Advanced Placement program through College Board. AP students are required to take the corresponding placement exam in May and pay the necessary fee (approximately \$92). No school final exam will be given.

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

Students' schedules may represent varying levels according to interest and ability. The level for each subject taken is indicated on the report card and the permanent record of the student.

Additional Educational Opportunities

College in the Classroom

College in the Classroom 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, offering college credit for Spanish 5, Latin, Psychology, Statistics, Journalism, Music Theory, Music History, and Business 100. Students who opt to take a course for college credit will incur an additional tuition fee from Alvernia University (approximately \$80 per credit); all classes are 3 credits with the exception of Spanish 5, which is 6 credits. Upon graduation, it is the student's responsibility to request transcripts from Alvernia University be sent to the college of his or her choice.

Dual Enrollment

Dual Enrollment options offer a senior the option to leave York Catholic during the course of a school day and take college courses on campus at Harrisburg Area Community College, York College, or Penn State York. Students are responsible for the complete cost of a Dual Enrollment course. Pending approval by the high school principal, college credits may count toward York Catholic graduation requirements.

Students wishing to participate in these Dual Enrollment opportunities must meet the following criteria:

- Senior status
- York Catholic weighted GPA of 2.0 or higher
- All entrance requirements of the college/university

Course selection information is as follows:

- A maximum of six college credits may be taken per semester.
- Three college credits will generally equal one York Catholic credit.

- To earn concurrent York Catholic credit, the course must be substantially different than any course the student has previously taken or is projected to take at York Catholic.
- To be awarded York Catholic credit, students must provide an official college transcript to the high school.
- Courses will be recorded on the high school transcript with the college/university noted.
- The student's York Catholic grade point average, weighted and unweighted, will calculate based upon courses taken at York Catholic High School; although credit will be accepted, dual enrollment grades will not count toward those averages.

Virtual High School Electives

Virtual High School (VHS) offers a wide array of elective offerings for the student in grade 9-12 interested in an independent online course. To browse the course catalog, visit www.vhslearning.org. Click on Students and Courses, and then Catalog. In order to be considered for an online course, students must have maintained an 85 midyear average in all courses. Space is limited; seniors have priority. Any student failing an online course through The Virtual High School will be accountable for the cost of the course. VHS classes are one semester long (1/2 year) for 0.5 credit.

York County School of Technology

The part-time flex opportunity program at York County School of Technology offers a York Catholic junior or senior the opportunity to pursue technical preparation while earning their York Catholic diploma. Students are required to fulfill all York Catholic graduation requirements, but are able to attend York County School of Technology for afternoon programming. Interested students should see the Director of Studies for further information. Information regarding the York County School of Technology Flex Program is also available online at www.ytech.edu under *For Prospective Students - Programs for High School Juniors and Seniors*.

NCAA Eligibility Standards

The National Collegiate Athletic Association periodically revises its academic standard for college freshmen 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.

Grade Point Average / Class Rank

Students grade 9-12 are awarded two averages, a weighted and unweighted grade point average. The unweighted grade point average is based upon all major subjects, and is a calculation of percentage points awarded in each class. This number might be, for example, a 94.3. A weighted grade point average is also based upon all major subjects, but calculates using a 4.0 point scale (see page 9), taking into consideration the level of difficulty or rigor of the course. This weighted grade point average is used to determine a student's class rank. Both averages appear on a student's fourth quarter report card as a yearly and cumulative figure; class rank is also included on the final grade report.

GPA Quality Points Table

Grade	2	1	H	AP
100	4.0	4.5	5.0	5.5
99	3.9	4.4	4.9	5.4
98	3.8	4.3	4.8	5.3
97	3.7	4.2	4.7	5.2
96	3.6	4.1	4.6	5.1
95	3.5	4.0	4.5	5.0
94	3.4	3.9	4.4	4.9
93	3.3	3.8	4.3	4.8
92	3.2	3.7	4.2	4.7
91	3.1	3.6	4.1	4.6
90	3.0	3.5	4.0	4.5
89	2.9	3.4	3.9	4.4
88	2.8	3.3	3.8	4.3
87	2.7	3.2	3.7	4.2
86	2.6	3.1	3.6	4.1
85	2.5	3.0	3.5	4.0
84	2.4	2.9	3.4	3.9
83	2.3	2.8	3.3	3.8
82	2.2	2.7	3.2	3.7
81	2.1	2.6	3.1	3.6
80	2.0	2.5	3.0	3.5
79	1.9	2.4	2.9	3.4
78	1.8	2.3	2.8	3.3
77	1.7	2.2	2.7	3.2
76	1.6	2.1	2.6	3.1
75	1.5	2.0	2.5	3.0
74	1.4	1.9	2.4	2.9
73	1.3	1.8	2.3	2.8
72	1.2	1.7	2.2	2.7
71	1.1	1.6	2.1	2.6
70	1.0	1.5	2.0	2.5

Education Plan 2023-2024

Grade 7

Theology 7
English Language Arts 7
Pre-Algebra
Life Science
Geography
Introduction to Foreign Language
Enrichment 7 (see below)

Grade 9

Theology 9
English 9
Algebra II
Science
U. S. History II
Elective
Required minors (see below)

Grade 11

Theology 11
English 11
Mathematics
Foundations of American Government
and Economics
Science
Elective
Required Minors (see below)

Grade 8

Theology 8
English Language Arts 8
Algebra I Accelerated/CP/General
Earth Science
US History I
German 1 or Spanish 1
Enrichment 8 (see below)

Grade 10

Theology 10
English 10
Geometry
Science
World History
Elective
Required Minors (see below)

Grade 12

Theology 12
English 12
Elective
Elective
Elective
Elective
Required Minor (see below)

Required Minor Courses

Enrichment 7

Art
Computer 7
Study Skills
Physical Education

Enrichment 8

Theater
SOAR (Career Exploration)
Health
Physical Education

Minor 9

Physical Education
CLOVER (College and
Career Exploration)

Minor 10

Physical Education
CLOVER (College and
Career Exploration)

Minor 11

Physical Education
Health

Minor 12

Physical Education

Sequence of Courses 2023-2024

Subject	Grade 9	Grade 10	Grade 11	Grade 12
Theology	Theology 9 Bridges	Theology 10 Bridges	Theology 11 Bridges	Theology 12 Bridges
English	English 9 English 9 CP English 9 H ESL English	English 10 CP English 10 H ESL English	English 11 CP English 11 H AP Language and Composition AP English Literature Journalism Creative Writing Byronic Heroes and Brooding Romantics ESL English	English 12 CP English 12 H AP Language and Composition AP English Literature Journalism Creative Writing Byronic Heroes and Brooding Romantics ESL English
Social Studies	US History II CP US History II H	World History CP World History H	Foundations of American Government and Economics CP / H AP US History Holocaust Studies CP	Sociology/Psychology CP Holocaust Studies CP Criminology CP
Mathematics	Algebra I CP Algebra II Algebra II CP Algebra II H	Geometry Geometry CP Geometry H Algebra II / CP / H	Geometry / CP / H Algebra II / CP / H Pre-Calculus H / Trig H Pre-Calculus CP Algebra III / Trig Algebra III / Trig CP Intermediate Algebra Statistics CP / H Calculus H / AP SAT Prep	Algebra III / Trig Algebra III / Trig CP Intermediate Algebra Statistics CP / H Pre-Calc H / Trig H Pre-Calculus CP Calculus H / AP / BC
Foreign Language	Spanish I CP Spanish II CP German I CP German II CP	Spanish I CP Spanish II CP Spanish III CP German I CP German II CP German III CP	Spanish I CP Spanish II CP Spanish III CP Spanish IV H German I CP German II CP German III CP Latin I CP	Spanish I CP Spanish II CP Spanish III CP Spanish IV H Spanish V H German I CP German II CP German III CP Latin I CP
Science	Physical Science Physical Science CP Biology I H	Biology I Biology I CP Biology I H Chemistry H	AP Chemistry AP Physics Environmental Science CP Anatomy CP / H Chemistry CP / H Physics CP / H Marine Science CP Biology II CP Parasites and Pathogens CP Forensic Science CP	AP Chemistry AP Physics Environmental Science CP Anatomy CP / H Chemistry CP Physics CP / H Marine Science CP Biology II CP Parasites and Pathogens CP Forensic Science CP
Business/ Computer	Intro. to Computer Science and Visual Basic	Accounting Entrepreneurship Digital Marketing Intro. to Computer Science and Visual Basic Computer Programming	Accounting Business 100 Personal Finance Digital Marketing Entrepreneurship Intro. to Computer Science and Visual Basic Computer Programming	Accounting Business 100 Personal Finance Digital Marketing Entrepreneurship Intro. to Computer Science and Visual Basic Computer Programming
Art	Art I	Art II Art I	Art III Art II Art I	AP 2D Art and Design Art III Art II Art I

Subject	Grade 9	Grade 10	Grade 11	Grade 12
				Artistic Expression
Music	Band Choir Music History Music Technology Beginner Guitar Piano Lab	Band Choir Music History Music Technology Music Theory Beginner Guitar Piano Lab	Band Choir Music History Music Technology Music Theory Beginner Guitar Piano Lab	Band Choir Music History Music Technology Music Theory Beginner Guitar Piano Lab
Physical Education	PE	PE	PE Health Child Development	PE Child Development
Other Options	VHS Online Electives CLOVER	VHS Online Electives CLOVER College in the Classroom	VHS Online Electives College in the Classroom York County School of Technology	VHS Online Electives College in the Classroom Dual Enrollment York County School of Technology

Theology Department

The study of Theology 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 Theology 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 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.

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. High School students are required to verify sixteen (16) 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.

011 Theology 9 1 Credit

Level 1
Grade 9

Semester One: The Revelation of Jesus Christ in Sacred Scripture

The purpose of this semester-long course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. Students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

Semester Two: Who is Jesus Christ?

The purpose of this semester-long course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, students will also learn who He calls them to be.

021 Theology 10 1 Credit

Level 1
Grade 10

Semester One: The Mission of Jesus Christ (The Pascal Mystery)

The purpose of this semester-long course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Semester Two: Sacraments as Privileged Encounters with Jesus Christ

The purpose of this semester-long course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and

especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they encounter Christ throughout life.

031 Theology 11
1 Credit

Level 1
Grade 11

Semester One: Jesus Christ's Mission Continues in the Church

The purpose of this semester-long course is to help students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about the events in the life of the Church, but about the sacred nature of the church.

Semester Two: Life in Jesus Christ

The purpose of this semester-long course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

041 Theology 12
1 Credit

Level 1
Grade 12

Semester One: Responding to the Call of Jesus Christ

The purpose of this semester-long course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Semester Two Options: (Seniors Choose One)

041A History of the Catholic Church

This elective option presents a catechesis of the Church and the Body of Christ in history: its nature and meaning, images, marks, life and ministry, guide to moral life, and the role of prayer. The purpose of this semester-long course is to supply students with a general knowledge of the Church's history from apostolic times to the present. Students will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him throughout history and the Holy Spirit. Students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.

041B Catholic Social Teaching

The purpose of this semester-long option is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

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 exploring literature and developing writing skills. 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 humanity.

109 English 9 H
1 Credit

Level H
Grade 9

English 9 Honors focuses on developing independent reading and writing skills through a study of literary genres across cultures and times. Students read short stories, epics, novels, plays, poetry, and nonfiction. They write analytical essays examining the ways an author's purpose shapes the choices s/he makes. The development of research skills culminates in an annotated bibliography and research paper on the topic of the student's choice.

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

111 English 9 CP
1 Credit

Level 1
Grade 9

English 9 CP focuses on a study of literary genres across cultures and times. Students read short stories, epics, novels, plays, poetry, and nonfiction. They write analytical essays examining the ways an author's purpose shapes the choices s/he makes. The development of research skills culminates in an annotated bibliography on the topic of the student's choice.

Pre-requisite: Teacher recommendation.

119 English 9
1 Credit

Level 2
Grade 9

Level 2 English is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.

Pre-requisite: Teacher recommendation.

120 English 10 H
1 Credit

Level H
Grade 10

This course takes a thematic approach to exploring individual choices and their effects through poetry, short stories, fiction, and nonfiction. Students read and discuss, with a larger degree of independence, works related to heroism, redemption, and navigating relationships, analyzing these works through personal and global lenses. As a capstone assignment, students choose a book they read in the course, research its historical context, and write a 5-7 page paper making connections between the text, its criticism, and the time and place in which it was written.

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

121 English 10 CP
1 Credit

Level 1
Grade 10

This course takes a thematic approach to exploring individual choices and their effects through poetry, short stories, fiction, and nonfiction. Students read works related to heroism, redemption, and navigating relationships, analyzing these works through personal and global lenses. As a capstone assignment, students choose a book they read in the course, research its historical context, and write a 4-6 page paper making connections between the book and the time and place in which it was written.

Pre-requisite: Teacher recommendation.

130 AP Language and Composition
1 Credit

Level AP
Grade 11-12

AP English Language and Composition is an introductory college level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. This course is for students entering 11th or 12th grade with a strong grasp of writing conventions and style. Students are required to take the AP examination in May.

Pre-requisite: An average of 90 in English 10 H; approval of sophomore honors English teacher and the Advanced Placement English teacher.

132 English 11 H
1 Credit

Level H
Grade 11

This course is designed to give students an appreciation of American literature through a chronological approach. Students develop discussion skills and advanced scholarly writing techniques, while connecting historical concepts and themes to the modern world and working with a greater degree of independence and rigor. Ultimately, this course requires students to discern what it means to be American. A passing grade on the cited literature paper is required for promotion to English 12.

Pre-requisite: An average of 88 in English 10 H and teacher approval; an average of 93 in English 10 CP and teacher approval.

131 English 11 CP
1 Credit

Level 1
Grade 11

This course is designed to give students an appreciation of American literature through a chronological approach. As students study these writings, they develop skills in close reading, analysis, research, and writing. Students connect historical concepts and themes to the modern world. Ultimately, this course requires students to discern what it means to be an American. A passing grade on the cited literature paper is required for promotion to English 12.

Pre-requisite: Teacher recommendation.

140 AP English Literature
1 Credit

Level AP
Grade 11-12

This course is an intensive exploration of world literature, particularly emphasizing 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 88 in English 11 H/English Language and Composition; approval of junior honors English teacher/Advanced Placement English teacher.

142 English 12 H
1 Credit

Level H
Grade 12

The twelfth grade English Honors course is a study of contemporary cultural issues through an examination of fiction and nonfiction texts across cultures and times. Following the “Facing History and Ourselves” curricular framework, it requires students to consider themselves in relationship to the world and to people around them. This course provides students with the experience of taking a seminar-style course while still in high school. Students read, write, and think critically and independently, employing various critical modes to better understand the structure, techniques, and ideas found in major works. Successful students are self-motivated, curious, and active participants in class conversation.

Pre-requisite: An average of 88 in English 11 Honors and teacher approval.

141 English 12 CP
1 Credit

Level 1
Grade 12

English 12 is a course of study of contemporary cultural issues through an examination of fiction and nonfiction texts across cultures and times. Following the “Facing History and Ourselves” curricular framework, it requires students to consider themselves in relationship to the world around them. Students focus on developing skills in close reading, critical thinking, analytical writing, research, and communicating effectively. A major research paper is the capstone assignment for this course. In it, students consider a current social issue, examine its history and context, and develop a detailed proposal for change.

Pre-requisite: Teacher recommendation.

667 Journalism
0.5 Credit
College in the Classroom Option

Level 1
Grades 11-12

Journalism students will produce and publish York Catholic’s student newspaper, *The Spectator*. Students will study modern journalistic techniques and topics, compose articles, examine writing critically, and learn basic journalistic rules and practices.

Pre-requisite: Teacher approval is required.

148 Creative Writing
0.5 Credit

Level 1
Grades 11-12

Creative Writing will provide students the opportunity to write in three genres: poetry, creative nonfiction, and fiction. Students will learn to workshop their own writing, as well as the writing of their peers. The course will include a close study of published works in each genre, with assessments of those works.

143 Byronic Heroes and Brooding Romantics
0.5 Credit - Semester Course

Level 1
Grades 11-12

Byronic Heroes and Brooding Romantics will acquaint students with European and American gothic classics such as Bram Stoker’s *Dracula*, Gaston Leroux’s *Phantom of the Opera*, and Nathaniel Hawthorne’s *House of the Seven Gables*. They will study the conventions of gothic literature and recognize how those conventions are used to shape surprising themes. In addition to analyzing these and other texts in a discussion-style environment, students will have the opportunity to craft their own gothic works and receive feedback in a series of writing workshops. Those who love to read are welcome.

Pre-requisite: Teacher recommendation.

118 ESL English
1 Credit

Level 1
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.

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.

215 U.S. History II H **1 Credit**

Level H
Grade 9

This course is a chronological approach to American History, beginning with post-Reconstruction America and ending with America today. In this course, students will develop analytical reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will engage with course content actively, and identify cause and effect relationships throughout history. Upon completion of this course, students will be able to independently answer a document-based question thoroughly, considering the viewpoints and limitations of the sources they use. This Honors level course will provide a more rigorous and in depth approach to studying history with a greater emphasis on independent work.

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

216 U.S. History II CP **1 Credit**

Level 1
Grade 9

This course is a chronological approach to American History, beginning with post-Reconstruction America and ending with America today. In this course, students will develop analytical reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will engage with course content actively, and identify cause and effect relationships throughout history. Upon completion of this course, students will be able to independently answer a document-based question thoroughly, considering the viewpoints and limitations of the sources they use.

Pre-requisite: Teacher recommendation.

220 World History H **1 Credit**

Level H
Grade 10

This course is a chronological approach to World History, beginning with the Enlightenment and ending with the world today. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will evaluate historical arguments while focusing on bias and point of view. Upon completion of this course, students will be able to independently develop a research-based historical argument. This honors level course will provide a more rigorous and in-depth approach to studying history with a greater emphasis on analysis and independent work.

Pre-requisite: An average of 93 in US History II CP with teacher approval or an average of 85 in US History II Honors with teacher approval.

221 World History CP
1 Credit

Level 1
Grade 10

This course is a chronological approach to World History, beginning with the Enlightenment and ending with the world today. In this course, students will develop analytical reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will evaluate historical arguments while focusing on bias and point of view. Upon completion of this course, students will be able to independently develop a research-based historical argument.

Pre-requisite: Teacher recommendation.

230 Foundations of American Government and Economics H
1 Credit

Level H
Grade 11

This course is designed to provide students with an overview of American Government, Practical Law, American Economics, and Practical Economics. Students will review the different levels of government and various political parties in the United States as well as focus on practical law in preparation for future democratic engagement. Students will also review the basic concepts surrounding economics including production, distribution, and consumption, as well as focus on practical economics in preparation for smart financial decision-making. This honors level course will provide a more rigorous and in-depth approach to studying American Government and Economics with a greater emphasis on independent work.

Pre-requisite: An average of 93 in World History CP with teacher approval or an average of 85 in World History Honors with teacher approval.

231 Foundations of American Government and Economics CP
1 Credit

Level CP
Grade 11

This course is designed to provide students with an overview of American Government, Practical Law, American Economics, and Practical Economics. Students will review the different levels of government and various political parties in the United States as well as focus on practical law in preparation for future democratic engagement. Students will also review the basic concepts surrounding economics including production, distribution, and consumption, as well as focus on practical economics in preparation for smart financial decision making.

Pre-requisite: Teacher recommendation.

232 AP U.S. History
1 Credit

Level AP
Grade 11

This course is a chronological approach to American History, beginning with the establishment of colonies and ending with America today. In this course, students will develop factual knowledge while also focusing on the following historical thinking skills: chronological reasoning, comparison and contextualization, historical argumentation, and synthesis. Upon successful completion of this course, students will be prepared to take the Advanced Placement US History exam. This AP level course will require summer work, extensive reading and writing, and a significant amount of independent work outside of the classroom. 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
1 Credit

Level 1
Grade 12

College in the Classroom Option

This course is designed to provide students with an introduction to the major concepts in the growing fields of sociology and psychology. Students will gain an understanding of the functions of the brain and how those functions cause people and society to behave. Throughout this course, students will be required to read scholarly articles and case studies, and complete writing pieces analyzing the trends in sociology and psychology. Students have the option of taking this course for college credit through Alvernia University.

248 Holocaust Studies CP
0.5 Credit - Semester Course

Level 1
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, World History, or AP U.S. History.

247 Criminology CP
0.5 Credit - Semester Course

Level 1
Grade 12

This course is designed to be an introduction to crime and the criminal justice system in the United States. Emphasis will be placed on criminal law and understanding the causes of crime and criminal behavior. Additionally, students will use readings and case studies to examine contemporary criminal justice issues.

Pre-requisite: Successful completion of Foundations of American Government or AP U.S. History

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. Develop in the students an appreciation and recognition of the relationships between mathematics and other disciplines.
5. Expose students to calculators, computers, and manipulatives through the use of application so students develop appreciation of these tools.
6. Provide multi-level math courses in the high school to meet the needs of all students as well as possible.

391 Algebra I CP **1 Credit**

Level 1
Grade 9

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.

322 Geometry CP **1 Credit**

Level 1
Grade 10-11

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 10-11

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.

- 320 Geometry H** **Level H**
1 Credit **Grades 10-11**
 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** **Level H**
1 Credit **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 Trig/Pre-Calculus 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**
0.5 Credit - Semester Course **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.
Pre-requisite: An average of 88 in Algebra II Honors and Geometry Honors with teacher approval.

331 Pre-Calculus H **Level H**
0.5 Credit - Semester Course **Grades 11-12**

Pre-Calculus offers the study of the following functions: quadratic, polynomial, rational, inverse, exponential, and logarithmic; also graphs of functions, determining even and odd functions, solving equations, finding intervals of increase, decrease, maximum, and minimum points; working with complex numbers, series, and sequences, and an introduction to limits.

Pre-requisite: An average of 88 in Algebra II Honors and Geometry Honors and teacher approval.

333 Pre-Calculus CP **Level CP**
1 Credit **Grades 11-12**

Pre-Calculus offers the study of the following functions: quadratic, polynomial, rational, inverse, exponential, and logarithmic; also graphs of functions, determining even and odd functions, solving equations, finding intervals of increase, decrease, maximum and minimum points; working with complex numbers, series, and sequences, and an introduction to limits.

Pre-requisite: An average of 80 in Algebra III/Trigonometry with teacher approval.

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 **Level 2**
1 Credit **Grades 11-12**

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.

340 Intermediate Algebra **Level 2**
1 Credit **Grades 11-12**

This course covers fundamental algebraic operations, special products and factors, functions and fractional equations, exponents, radicals, and quadratic equations.

Pre-requisite: Successful completion of Algebra 1 and Algebra II and teacher recommendation.

353 Statistics H **Level H**
1 Credit **Grades 11-12**

College in the Classroom Option

This course will emphasize an introduction to statistics including organized data and calculating measures of central tendency and variability. Other topics include probability, sampling, hypothesis testing, and linear regression. Students have the option of taking this course for college credit through Alvernia University.

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

345 Statistics CP **Level 1**
1 Credit **Grades 11-12**

College in the Classroom Option

This course will emphasize an introduction to statistics including organized data and calculating measures of central tendency and variability. Other topics include probability, sampling, hypothesis testing, and linear regression. Students have the option of taking this course for college credit through Alvernia University.

Pre-requisite: An average of 78 in Geometry CP or Algebra III Trig CP and teacher approval.

344 AP Calculus AB **Level AP**
1 Credit **Grade 11-12**

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 used extensively in this course. Students taking this course are required to take the AP exam in May.

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

346 AP Calculus BC **Level AP**
0.5 Credit - Semester Course **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 a review of differential and integral Calculus and follows with an intense study of advanced integration techniques, along with differentiation and integration of Parametric and Polar equations. Sequences and series are explored at an advanced level including Taylor and Maclaurin series. This course culminates with a preparation for the AP Calculus BC test. A graphing calculator is used extensively in this course. Students taking this course are required to take the AP exam in May.

Pre-requisite: A 4 or 5 on the AP Calculus AB test and teacher approval.

349 Calculus H **Level H**
1 Credit **Grade 11-12**

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-Calculus H with teacher approval.

352 SAT Mathematics Preparatory **Level 1**
0.5 Credit - Semester Course **Grade 11**

This course is designed to offer students an opportunity to prepare for the SAT math test. In addition to reviewing mathematical skills assessed on the SAT test, students will learn test-taking strategies specific to the exam. This course will include study skills, practice tests with complete multiple-choice assessments, and study resources. Independent practice is followed by guided collaborative review. Upon successful completion, students will possess the tools necessary to complete the SAT math section to the best of their ability.

Foreign Language Department

The study of foreign language serves to introduce students to various cultural, societal, and language norms. Respect, understanding, and appreciation for differing customs are benefits of language study. At York Catholic High School students may elect to study one of two foreign languages, Spanish or German. Students in grades 11 & 12 have the option to study Latin. Within all languages, the goal is the development of listening, reading, writing, and speaking skills and continued student growth.

414 Spanish I CP **1 Credit**

Level 1
Grades 9-12

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, speaking, reading, writing, and formation of grammatical 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.

424 Spanish II CP **1 Credit**

Level 1
Grades 9-12

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. Spanish culture 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 passing grade of 70 in Level I CP or a minimum average of 80 in eighth grade language and teacher approval.

434 Spanish III CP **1 Credit**

Level 1
Grades 10-12

Spanish III further develops the student's ability to use Spanish in speaking and writing. The course is grammar intensive and aural and reading comprehension skills are also improved. This course will help students to acquire knowledge of the culture and the history of Spanish-speaking countries.

Pre-requisite: Students must have a minimum average of 80 in Level II CP and teacher approval.

444 Spanish IV H **1 Credit**

Level H
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 Spanish-speaking countries. Students will expand their reading, writing, and speaking skills in the language. The class will be conducted in the 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
1 Credit

Level H
Grade 12

College in the Classroom Option

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 and students will be required to participate in class discussions in Spanish. This course has a College in the Classroom option through which students have the opportunity to earn 6 college credits from Alvernia University (Intermediate Spanish 1 & 2). Alvernia University information will be available in August.

Pre-requisite: Students must have a minimum average of 85 in Level IV and teacher approval.

412 German I CP
1 Credit

Level 1
Grades 9-12

This course introduces the language within the context of the contemporary German world and its culture. Emphasis is given to the development of listening, comprehension, reading, writing skills, and formation of grammatical 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.

422 German II CP
1 Credit

Level 1
Grades 9-12

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 students do some imitative composition. The culture of Germany 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 passing grade of 70 in Level 1 CP or a minimum average of 80 in eighth grade language and teacher approval.

432 German III CP
1 Credit

Level 1
Grades 10-12

German III further develops the student's ability to use the language in speaking and writing. The course is grammar intensive and aural and reading comprehension skills are also improved. This course will help students to acquire knowledge of the culture and the history Germany.

Pre-requisite: Students must have a minimum average of 80 in Level II CP and teacher approval.

451 Latin I CP
1 Credit

Level 1
Grades 11-12

College in the Classroom Option

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. The course has a College in the Classroom option through which students have the opportunity to earn 3 college credits from Alvernia University. College in the Classroom information will be available in August.

Pre-requisite: Students must have a 75 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.

509 Biology I H 1 Credit

**Level H
Grades 9-10**

This course is designed as an introduction to the major biological themes to include the following: science as a process, the cellular basis of life, cell energetics, reproduction and heredity, evolution, unity and diversity of life, and the interactions of organisms and the environment. Students will participate in related laboratory activities including various dissections, as well as engage in research of various topics. **Pre-requisite:** An average of 95 in Earth Science, 93 in Physical Science; 88 in Algebra I Accelerated, 93 in Algebra I CP, 90 in Algebra II H; and teacher approval.

511 Biology I CP 1 Credit

**Level 1
Grade 10**

This course is designed as an introduction to the major biological themes to include the following: science as a process, the cellular basis of life, cell energetics, reproduction and heredity, evolution, unity and diversity of life, and the interactions of organisms and the environment. Students will participate in related laboratory activities including various dissections.

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.

551 Biology II CP **Level 1**
0.5 Credit - Semester Course **Grade 11-12**

Biology is a broad science that encompasses many sub-disciplines and topics. This course is designed for students who have an interest in biology beyond Biology I. This semester course will first review basic biological principles from Bio I, and then dive further into many topics not previously covered including population genetics, ecology, and DNA structure, function, and technology. The course will rely heavily on labs and simulations.

Pre-requisite: An 80 in Biology I Honors, an 82 in Biology I CP, or a 93 in Biology I.

521 Physical Science CP **Level 1**
1 Credit **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 **Level 2**
1 Credit **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 **Level H**
1 Credit **Grades 10-11**

A solid and rigorous understanding of chemistry, known as central science, will allow the honors student to fully appreciate and comprehend all other sciences. Students will investigate the foundations, theories, and laws that govern modern day chemistry through topics such as the metric system, properties of matter, atomic structure, behavior of electrons, periodic trends, chemical reactions, ratios of reactants and products, gases, and acid/base behavior. Students in Honors Chemistry should be equipped with an innate curiosity about how things work and individual responsibility and dedication for learning and understanding content.

Pre-requisite: An average of 90 in Algebra II H or Geometry H, 95 in Algebra II CP or Geometry I CP; 88 in Biology H, 95 in Biology I CP; and teacher approval.

531 Chemistry I CP **Level 1**
Grades 11-12
1 Credit

Chemistry is known as the central science. A solid understanding of chemistry will allow the student to more fully appreciate and comprehend all other sciences. Students will investigate the foundations, theories and laws that govern modern day chemistry through guided inquiry, investigation, and analysis of data. Topics covered in Chemistry include the metric system, properties of matter, atomic structure, behavior of electrons, periodic trends, chemical reactions, ratios of reactants and products, gases, and acid/base behavior. These topics will be covered using a combination of inquiry, group activities, lab investigations, and demonstrations.
Pre-requisite: An average of 82 in Geometry CP, 93 in Geometry; 82 in Physical Science CP, 93 in Physical Science, 82 in Biology CP, 93 in Biology, and teacher approval.

540 Physics I H **Level H**
Grade 11-12
1 Credit

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

541 Physics I CP **Level 1**
Grade 11-12
1 Credit

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.

555 AP Chemistry **Level AP**
Grade 11-12
1 Credit

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Advanced Placement Chemistry provides a thorough overview of chemistry and prepares the student for the AP Chemistry examination. At the AP level, students will learn to appreciate the close ties between chemistry, physics, and mathematics. This course is structured around the 6 Big Ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry investigations, and theory with analysis and evaluation of data. 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; and teacher approval.

535 AP Physics **Level AP**
1 Credit **Grades 11-12**

The Physics 1 course covers algebra-based introductory physics topics. These topics include the same material found in a first-semester college physics course typically taken by science students with non-engineering majors. Physics 1 emphasizes understanding what the College Board has identified as the “Big Ideas” and the “Science Process Skills and Practices” necessary to move forward in other science courses. This course emphasizes long-term retention of course concepts and will thoroughly prepare students for the AP Physics 1 exam. The following topics are covered in Physics 1: Kinematics in 1- and 2-Dimensions, Newton’s Laws of Motion, The Conservation Laws, Rotation, and Simple Harmonic Motion. Students taking this course are required to take the AP Physics 1 exam in May.

Pre-requisite: An average of 90 or higher in Chemistry H, a 90 in Physics I H, an 88 or higher in Pre-Calculus H, and teacher approval.

546 Anatomy and Physiology CP **Level 1**
1 Credit **Grades 11-12**

Human Anatomy and Physiology is a preparatory course designed for students interested in the medical field. The primary focus is the anatomy of major organ systems. Students participate in laboratory activities relevant to the corresponding topics. Dissections of various mammals and organs are used for both discovery and mastery of information.

Pre-requisite: An average of 85 in honors level science or 88 in CP level science and teacher approval.

547 Anatomy and Physiology H **Level H**
1 Credit **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 **Level 1**
1 Credit **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 population’s 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 **Level 1**
0.5 Credit - Semester Course **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. There is an optional overnight field trip to the Chesapeake Bay.

Pre-requisite: An average of 82 in current or most recent science course.

532 Forensic Science CP **Level 1**
0.5 Credit - Semester Course **Grades 11-12**

Students will be introduced to and learn the history of forensic science, crime scene techniques and procedures, and various evidence gathering techniques in this hands-on lab experience. Students will demonstrate evidence handling and processing skills, problem solving and observational skills, and present on a famous criminal case based on the evidence collected.

533 Parasites and Pathogens CP **Level 1**
0.5 Credit - Semester Course **Grades 11-12**

This course will focus on parasites and pathogens that impact public health. Diseases, syndromes, life cycles, and the interplay between environment, vectors, hosts, and reservoirs are addressed in a historical context to better understand public health policy approaches to halting disease transmission. Areas of interest will include study of past epidemics, distribution of specific parasites and pathogens in the world, and rate of incidence. Case studies will often be used to focus study on groups of parasites and pathogens. Subject material will be introduced by way of lecture, video, and online resources. Laboratories and simulations for various groups of parasites may be used as well.

Pre-requisite: An average of 80 in Biology CP.

Business/Computer Department

The business and computer technology department at York Catholic High School prepares students for business and computer careers, as well as continuing education after high school as a business major. Our primary objective is to develop students' ability to effectively communicate thoughts and ideas in a variety of ways, employing a purposeful business strategy. Students will gain the skills needed to function within a diverse and global society while upholding ethical Christian values.

651 Accounting 1.0 Credit

**Level 1
Grades 10-12**

This course is designed to introduce high school students to Accounting, providing an in-depth study of the accounting cycle for sole-proprietorship, to include record keeping, preparation of financial statements, analyzing accounting concepts and practices, and the theory of accounts. Use of computer technology, spreadsheets, and problem solving are required to supplement classwork.

Pre-requisite: Overall average of 85 and math teacher recommendation.

653 Entrepreneurship 0.5 Credit - Semester Course

**Level 1
Grades 10-12**

This semester course is designed for students who are interested in becoming an entrepreneur or an actual business owner. Students will explore the various aspects of starting a business that include, but are not limited to, completing a business plan, marketing, digital marketing, business management, business math, customer relationship building, business structures, and entities. Students will leave this course with a complete business plan and a thorough understanding of planning techniques of a business plan and how to present the business plan to investors.

646 Business 100 1 Credit College in the Classroom Option

**Level 1
Grades 11-12**

This course is designed to provide students with an overview of business terminology, concepts, and current business issues. Students will develop a viable business vocabulary, foster critical and analytical thinking, refine business decision-making skills, and improve communication and business writing skills. Throughout the course, students will be required to read scholarly articles, complete academic papers, review a company's 10k, and participate in individual/group presentations. Students have the option of taking this course for college credit through Alvernia University.

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

681 Digital Marketing 0.5 Credit - Semester Course

**Level 1
Grades 10-12**

This course is designed to engage students in the marketing industry. Students will gain a fundamental understanding of the digital marketing core principles needed for the 21st century consumer. Topics will include web page design, analytics, search engine optimization (SEO), pay per click, email marketing, social media marketing, and mobile marketing. Students will also earn a certificate of marketing from HubSpot Academy upon completion.

664 Personal Finance**Level 2****0.5 Credit - Semester Course****Grades 11-12**

This semester course will introduce students to personal finance and individual choices that will influence and shape their lifetime goals. Students will learn fundamentals and underlying principles of personal finance, with instruction providing a comprehensive review in the areas of money management, personal and goal budgeting, consumer credit, housing, retirement planning, funding educational expenses, and vehicle purchases. Students will learn the essentials of financial planning in order to make well-informed decisions regarding their personal finances and long-term financial security. Students will complete assignments on resume building, check writing, and bank reconciliation. Participants will leave the class with a portfolio and a thorough understanding of financial planning techniques and a step-by-step approach for putting these financial planning techniques into action.

700 Introduction to Computer Science and Visual Basic**Level 1****0.5 Credit - Semester Course****Grades 9-12**

This course introduces students to problem analysis, problem solving, and their relationship to computational thinking. It covers basic programming concepts such as variables, values, mathematical and logical expression evaluation, decisions, loops, functions, and HTML, with an emphasis on problem solving strategies. Students will apply these concepts by writing programs in an introductory level language. One goal of this course is to prepare students without prior programming experience to succeed in a higher level programming course.

710 Computer Programming**Level 1****1 Credit****Grades 10-12**

This course is designed for students who are interested in a career in the field of technology. This course will employ Visual Basic, one of the most widely used program languages in the world. Students will learn how to create interfaces, write code, and manage programs. This course will also help students prepare for logic needed to proceed in a computer field. Visual Basic serves as an introductory language for C++, C#, and J#. Students will easily be able to transition into more advanced languages with basic skills learned in this course.

Pre-requisite: Successful completion of Introduction to Computer Science and Visual Basic.

Art Department

The Art program of York Catholic High School is essential to the total education of the student. It helps a student to realize their uniqueness as a person and to respect differences in others by giving them 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.

711 Art I 1 Credit

**Level 1
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.

721 Art II 1 Credit

**Level 1
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 1 Credit

**Level 1
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 AP 2D Art and Design 1 Credit

**Level AP
Grade 12**

Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas, and sustained investigations through practice, experimentation, and revision, guided by questions.

Pre-requisite: 90 average in Art III and teacher approval.

712 Artistic Expression 1 Credit

**Level 1
Grade 12**

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.

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 participants. Performance opportunities must promote and assist in the educational development of the students to achieve their greatest potential.

000	High School Band 0.5 Credit	Level G Grade 9
001	High School Band 0.5 Credit	Level G Grade 10
002	High School Band 0.5 Credit	Level G Grade 11
003	High School Band 0.5 Credit	Level G Grade 12

High School 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. High School 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. Students are eligible to audition for representation in District, Regional, and Honors Band. Marching Band can be an extra-curricular activity.

Pre-requisite: Instrumental training.

004	High School Choir 0.5 Credit	Level G Grade 9
005	High School Choir 0.5 Credit	Level G Grade 10
006	High School Choir 0.5 Credit	Level G Grade 11
007	High School Choir 0.5 Credit	Level G Grade 12

Choir is open to any student interested in singing. 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.

822 Music History **Level G**
0.5 Credit - Semester Course **Grade 9-12**
College in the Classroom Option

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. Students have the option of taking this course for college credit through Alvernia University.

842 Beginner Guitar **Level G**
0.25 Credit - Semester Course **Grades 9-12**

Beginner 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.

844 Music Technology **Level G**
0.5 Credit - Semester Course **Grades 9-12**

The Music Technology course is designed to introduce and foster the study and practice of music and technology. No prior music theory is required. Students will study innovations in the music technology industry; they will explore sound, recording, and production.

845 Music Theory **Level 1**
0.5 Credit - Semester Course **Grades 10-12**
College in the Classroom Option

This course is for students who wish to gain a deeper understanding of music. The course will cover scale patterns, chords, melody, harmony, ear training, and composition. This class will incorporate music examples from various periods in history, as well as music in today's society. Students have the option of taking this course for college credit through Alvernia University.

Pre-requisite: Teacher recommendation and/or a placement exam.

846 Piano Lab **Level 1**
0.5 Credit - Semester Course **Grades 9-12**

This semester-long course is designed for students with limited or no previous piano experience. Students will receive instruction in formal keyboard technique and an exposure to traditional and contemporary piano literature and composers. They will learn and apply basic music theory, including scales, chords, fingering and two-handed playing. Students will learn a variety of music repertoire, incorporating different styles, skills, and techniques. No previous experience is required. In this course, students will use a standard method book and supplemental materials. Students who wish to take Piano Lab, but who are already able to play piano, are welcome to take the course. The teacher will assess skill set and select the appropriate book and music literature accordingly.

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, 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 and 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.

801	Physical Education 0.25 Credit - Semester Course	Level G Grade 9
802	Physical Education 0.25 Credit - Semester Course	Level G Grade 10
803	Physical Education 0.25 Credit - Semester Course	Level G Grade 11
804	Physical Education 0.25 Credit - Semester Course	Level G Grade 12
806	Health 0.25 Credit - Semester Course	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.

781 Child Development

Level 1

0.5 Credit - Semester Course - ½ year

Grade 11-12

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 two.

Additional Educational Opportunities

672 Virtual High School Electives 0.5 Credit - Semester Course

**Level 1
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.vhslearning.org. Click on Students 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. There is no additional cost for these courses, however, any student failing an online course through The Virtual High School will be held accountable for the cost of the course.

870 CLOVER 0.5 Credit - Semester Course

**Level 1
Grades 9-10**

CLOVER builds upon the foundations of the Middle School SOAR program and will prepare students for their final years of high school and beyond. The course will focus on the four domains of Career Exploration and Readiness: Self-Knowledge, Exploration, Decision Making, and Action. Students will deepen knowledge of themselves, further explore college and career options, begin making decisions about their future plans, and create action steps to finish their last two years of high school and prepare to enter university or the workforce.

York County School of Technology Part Time Flex Opportunities

Grades 11-12

The part-time program at York County School of Technology offers a York Catholic junior or senior the opportunity to pursue technical preparation while earning their York Catholic diploma. Students are required to take Theology, English and other courses required for graduation at York Catholic but are able to attend Vo-Tech for afternoon programming. Interested students should see Mrs. Hand for further information. Information regarding the York County School of Technology Flex Program is also available online at www.ytech.edu under *For Prospective Students - Programs for High School Juniors and Seniors*.