Course Pathway Catalog
Academic Guidance

NEWARK CATHOLIC HIGH SCHOOL

FAITH ▪ KNOWLEDGE ▪ SERVICE

This document is to be utilized as a one resource in conjunction with students' in-person meetings with the guidance counselor annually and as required for graduation pathway planning. Policies related to academics are contained in the Family Handbook. Information contained here is subject to change per state guidance and at administration's discretion with regard to course offerings.

Newark Catholic High School
COURSE PATHWAY CATALOG

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CURRICULAR OPTIONS FOR SCHEDULING & GRADUATION PATHWAYS

In general, the best guide for course selection is to choose courses which match and challenge each student's abilities based upon review of placement testing, STAR data, and teacher recommendation, as well as one's desired pathway toward graduation; this should all be done with one's guidance counselor and in light of one's needs as a diverse learner and one's God-given gifts.

Pathways to graduation detailed at guidance parent night meetings annually, include:
NC Traditional
NC Honors
NC Honors AP

Since most students either do not know what career or college major they wish to choose or will change their minds many times before they enter the working world, decisions should not necessarily be based upon intended career plans. It is important to note that while some honors classes are required for any honors diploma, a student may start at NC on one pathway, change, or fulfill honors requirements through honors coursework in some, though not all subject areas as outlined in state requirements..

Committed to the idea that a well-rounded curriculum best prepares students for their future success, students at Newark Catholic are required to be full-time students; there are no options for part-time or remote attendance unless in the case of an extenuating circumstance with approval of administration. Students are required to take at least 6 core class periods each day in the subjects of theology, English, math, science, social studies, and foreign language (could be CCP). There are 9 academic periods during the school day, leaving room for a study hall as well as numerous electives. Students who are college-bound should consult the School Counseling Department for requirements and recommendations of specific colleges. Some courses carry prerequisites and/or prior approval of the instructor. Students should pay careful attention to the requirements and descriptions of each course before scheduling classes. Each student is expected to carry an academic schedule as challenging as he/she can handle. **Course selection sheets are due in the Spring as communicated by the guidance counselor via email and/or Class Google Classrooms. Students who do not return their course selection sheet on time will be scheduled by the student's counselor. Finalization of the student's schedule rests with the school.**

NC will schedule required classes but cannot guarantee elective class choices or semester choices for study halls. As noted in the Newark Catholic Handbook,

- Each student must schedule a minimum of 6 courses per semester. This would equate to the minimum number of credits required for graduation (24) over four years, so students are encouraged to take more than the minimum whenever possible.

- During scheduling, students choose electives. No elective can be guaranteed, so students should rank electives on their scheduling sheet that they are interested in taking. There are many factors in selecting electives, and these include the student's choice, class size, and prior grades earned in the subject area.

Except in special circumstances (to be determined by the administrator) a course dropped after the first two weeks of school will be recorded on the student's report card as a failure for the quarter in which the course is dropped.

The failure (F) is included in the computation of the student's grade point average for the quarter in which it is dropped. On the transcript the course title is printed, notice of the student's withdrawal appears, but no grade is given nor is the course figured into the student's cumulative GPA. When a teacher initiates a student withdrawal from a class, a 'W', withdrawal, will appear on the report card and the transcript. A student/parent initiated withdrawal from a class results in a 'W/F' for the quarter and will appear on the student's transcript as a 'W'.

GRADUATION CREDIT & ASSESSMENT REQUIREMENTS

Students must earn 24 credits to graduate from Newark Catholic High School. Our 9 Period day allows for more elective offerings and student choice to obtain requirements toward graduation in addition to our Theology requirements. Students may earn a Diploma or an Honors Diploma outlined further in subsequent pages. State requirements for assessment for graduation are satisfied by passing scores on the IOWA standardized test, given to 9th grade at NC. Proficiency scores are set forth by the state and comprehensive remediation is offered should a retest be required in subsequent years.

Please note:
Students must schedule a minimum of 6 courses per semester. Students are encouraged to carry academic schedules aligned to their learning pathways to graduation. No world language is required for graduation; however, many colleges prefer two years for acceptance. Latin is highly recommended for medical or science fields or interest in the classics/experience with the Classical education model in the past as well as Church tradition/history.

Newark Catholic requires 6 core classes each semester, this includes CCP. Please see the below requirements. Core courses are defined as: Math, English, Theology, Science or Social Studies; students entering their senior year who have fulfilled 4 Math credits through Algebra I in 8th grade must still have 6 core classes, selecting a Science in leu of a core Math or a World Language.

Departmental Course(s)	**NC Graduation Required Credits** *OHSAA rules not represented here*	**Honors Diploma** (Must maintain 3.5 gpa) Must also earn 27 composite on ACT -or- 1280 SAT
Theology I, II, III, IV	4 (beyond state minimum)	4
World Language/ Classics	0	3 (same language) -or- 4 (2 in one language, 2 in another)
Math	4	4 *Grade 8 Algebra I passing earns credit.*
English I, II, III, IV	4	4
Science	3	4
Social Studies	3	4
Electives Visual/Fine Art	3	3 See subsequent pages Honors Diploma requirements

Wellness Various Departmental	*9 Period day at NC allows for more elective offerings/choice*	
Visual or Fine Art	1	1
Life Skills/Personal Wellness & Health	1 combined	1 combined
Financial Literacy	½	½
PE	½ (or Waiver for zero)	½ (or Waiver for zero)

Students earning Honors Diploma may substitute some state requirements with a 27 or higher on the ACT or 12 CCP Credit Hours.

OHSAA REQUIREMENTS

Incoming 9th graders MUST earn passing grades in a minimum of four courses in their final grading period of grade 8 in order to be eligible, with regard to scholarship, during their first grading period of 9th grade. Thereafter, all high school students MUST earn passing grades in a minimum of five one-credit courses (or the equivalent) during the immediately preceding grading period to have continuing eligibility.

Newark Catholic participates in every effort to ensure that all students are fully scheduled in a minimum of five one-credit courses each grading period.

In order to be eligible in grades 9-12, a student must be engaged in coursework during the immediately preceding grading period. For the purpose of this Bylaw 4, Section 4, the term "grading period" is defined as the school's Board-adopted calendar (e.g., six week, nine week, 12 week or semester) and does not mean an interim marking period. Additionally, at the conclusion of the immediately preceding grading period, a student must have received passing grades in a minimum of five (5) one-credit courses or the equivalent, each of which counts toward graduation. For the purpose of this bylaw, the term "immediately preceding grading period" refers to the grading period of the school which immediately precedes the grading period in question. Please see Bylaw 4-3-1 for enrollment and attendance requirements during any given grading period.

Newark Catholic requires 6 core classes, this includes CCP. Please see the above requirements.

COURSE OFFERINGS

Some elective courses are offered every other year to allow more diversity in course content for students. An * beside an elective indicates it is NOT offered as students schedule for the 25-26 year. Courses often run on a rotation such as AP Bio and AP Chem.

THEOLOGY	***MATHEMATICS***	***WORLD LANGUAGES***
The Revelation of Christ in Scripture	Algebra I	Spanish I, II, III
Who is Jesus Christ?	Geometry	Latin I, II, III, IV
The Mission of Jesus Christ (The Paschal Mystery)	Honors Geometry	Spanish IV*
Jesus Christ's Mission Continues in the Church	Algebra II	***PERFORMING ARTS***
Sacraments as Privileged Encounters with Jesus Christ	Algebra II with Trigonometry	Music Appreciation

Life in Jesus Christ	Mathematical Applications	Percussion Concepts I, II
Living as a Disciple of Jesus Christ in Society	Mathematical Modeling*	Vocal Music Ensemble*
History of the Catholic Church	Precalculus	American Music Production I, II
Exploring the Vocation of Catholic Education through Service	Probability & Statistics	Show Choir
Philosophy of Religion elective	AP Calculus AB	
Liturgical Schola elective	Financial Literacy	
ENGLISH/LANGUAGE ARTS	***SOCIAL STUDIES***	***SCIENCE***
English I, II, III, IV	World History	Physical Science
Honors English II, III	Government and Economics	Biology I
AP English IV	United States History	Biology II
Speech	Honors United States History	Honors Biology II
		Nutrition & Anatomy
VISUAL ARTS	Current Events	Chemistry General*
Art Fundamentals	Ethics	Physics
Two Dimensional Art/Painting I, II	The History of Sports	Environmental Science
Three Dimensional Art	Voices of the Past: I, II	Physics for Engineering I, II
Ceramics I, II	Criminology*	AP Chemistry*
Drawing	Sports Management	AP Biology
Yearbook Production I, II, III, IV		Honors Chemistry
Studio Art - Portfolio & Career Development (by recommendation)	***WELLNESS***	
Intro to Digital Communications	PE (or state approved Waiver per policy for 0 credit)	
	Leadership & Communication	
	Health	
	Life Skills & Personal Wellness	
	Fitness for Life	
	Weight Lifting	

CCP

College Credit Plus is an option allowing students to earn dual high school and college credits for college coursework. CCP off campus requires an application process for seniors and agreement as outlined in family NC Handbook in depth . NC partners closely with Zane State University and COTC; however, the guidance department will work with students to explore other post secondary institution CCP options if desired. It is imperative to coordinate with the guidance department to attend required meetings and complete paperwork prior to the semester the CCP course begins. Generally, NC recommends that students engage in CCP after one year of high school is complete but may evaluate this on a case by case basis as driven by data. Students in need of accommodations waive their rights to FAPE by engaging in CCP with a college. Families should contact the institution to inquire about CCP and if accommodations are offered. Grades earned through dual enrollment become part of the student's official high school transcript. Dual enrollment courses receiving high school and college credit are calculated into a student's grades and GPA, and become part of their permanent college record. Students in CCP can be classified as "underperforming" if they earn less than a cumulative GPA of 2.0 in all CCP courses or have withdrawn from 2 or more courses in the same term. These students are placed on CCP Probation, can only enroll in 1 CCP course while on probation, and the course cannot be in the same subject as the course with low grades. If the GPA doesn't improve after one term, the student is dismissed from CCP. Please see your counselor or the CCP director if you hope to participate in this program for detailed information and deadlines for application.

It has been confirmed with the Ohio Department of Education and Workforce, Office for Non-chartered public schools that tutoring/academic support under the JP Scholarship for work on CCP coursework is not permissible by JP Scholarship rules. Rather it is a violation of the parameters for scholarship funding use; this state scholarship's funding is intended for use with a JP provider for work centered on specialized instruction aligned to one's IEP goal(s) including the required progress monitoring therein. It is a violation of the NC Academic Integrity Policies to utilize JP funding for outside tutoring work on CCP with any JP Provider.

GRADUATION REQUIREMENTS, CREDITS, & DIPLOMAS

DIPLOMA - STATE BOARD OF EDUCATION APPROVED CRITERIA
A Newark Catholic diploma is awarded to any graduating student who satisfies the following requirements:

CREDIT
Successfully earns 24 credits in the designated curricular areas

COMPETENCY/ASSESSMENT
Earn passing competency scores in Math and English sections of the IOWA assessment as dedicated by the state. Requirements mandate students test in the full battery as students at NC: English, Mathematics, Social Studies & Science

ACADEMIC HONORS DIPLOMA
The student who completes Newark Catholic's college-preparatory graduation requirements, and additionally satisfies **at least 4 of the following 5 criteria** will satisfy the Academic Honors Diploma**:**

- Earn at least four credits of science.
- Earn at least four credits of social studies.
- Earn either three credits of one world language/classic or two units each of two world languages/classics. Exceptions are typically outlined by the state specified by graduating class and should be discussed in person with the guidance counselor if this is being considered.
- Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.
- Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the requirement scores.

ACADEMIC DEPARTMENTS

100 ARTS

Fine Arts

Grade	Course	Title	Credit
10, 11, 12	102	Art Fundamentals	½
9, 10, 11, 12	104	Drawing	½
10, 11, 12	111,116	Painting I, II	½
10, 11, 12	112	Three Dimensional Art/Sculpture	½
11, 12	113, 114	Ceramics I, II	½
11, 12	115	Studio Art Portfolio & Career Development	1
10, 11, 12	131, 132, 133	Yearbook Production	1
10, 11, 12	141	Intro to Digital Communications	½
11, 12	142	Sacred Art & Faith*	½
11, 12	143	Mathematics of Art*	½
11,12	144	Photography	½

Performing Arts

Grade	Course	Title	Credit
9, 10, 11, 12	161, 162	Percussion Concepts	½
10, 11, 12	163	Music Appreciation	½
9, 10, 11, 12	164	Show Choir	½
9, 10, 11, 12	166, 167	American Music Production I, II	½

* *course not offered in the present academic year.*

To satisfy the art credit required by the state of Ohio, sophomores will take one semester of Art Fundamentals and one semester of Music Appreciation. If students are unable to schedule this period of fine art as a sophomore – due to double-scheduled math or a strict academic need of the student as determined by the counselor – the art/music block will be scheduled into the student's junior year.

102 ART FUNDAMENTALS ½ credit
(1 semester) purchase of a sketchbook required by student 10(11,12 as needed)
Prerequisite: None

A fine arts course that introduces basic art skills such as the principles and elements of design. Students work in a hands-on environment with a variety of creative projects, such as drawing, painting and ceramics, to find a media that best suits them. Students will learn about artists, art styles and self-expression through this studio course. A sketchbook purchase is required.

104 DRAWING ½ credit
(1 semester) purchase of a sketchbook required by student 9,10,11,12
Prerequisite: None

A studio course designed for persons who cannot draw at all and who believe they probably can never learn to draw. Students will learn to draw and develop their skills through daily drawing exercises, sketchbook assignments, and projects. Students will sketch using various media including pencil, pastel, charcoal and India ink. Students will become familiar with artists, art styles and self-expression through this studio course. A sketchbook purchase is required.

111 PAINTING I ½ credit
(1 semester) 10,11,12
Prerequisite: Drawing

A studio course exploring painting with watercolors, tempera, acrylics, and oils. Students will be exposed to different artists and their styles of expression. A three-ring binder with blank sheets of paper will be required.

116 PAINTING II ½ credit
(1 semester) 10,11,12
Prerequisite: Painting I

A studio course in which students will further develop painting techniques and skills through the media of watercolor, acrylic and oil paints. Emphasis is on further developing the artist's ideas and

communicating through the painted subject matter. Students need to have the ability to work independently with good time management skills. A 3-ring binder with blank sheets of paper will be required.

112 THREE DIMENSIONAL ART/SCULPTURE

½ credit
10,11,12

(1 semester)
Prerequisite: Art Fundamentals

This is a hands-on course focusing on the art of sculpture. Students will learn about different artists, methods and mediums for creating three-dimensional works. Students will work in wire, paper mâché, clay, wood, plaster and found art materials. A three-ring binder with blank sheets of paper will be required.

113 CERAMICS I ½ credit
(1 semester) 11,12
Prerequisite: Art Fundamentals

A hands-on course in which students will use clay as a medium to create a number of ceramic forms. Students will be exposed to various construction methods, firing procedures, glazing techniques, as well as the works of various ceramic artists. Students need to have the ability to work independently with good time management skills. A 3-ring binder with blank sheets of paper will be required.

114 CERAMICS II ½ credit
(1 semester) 11,12
Prerequisite: Ceramics I

A studio course in which students will further develop hand building techniques, glazing, decorating, and firing procedures. Emphasis is on further developing the artist's idea and communicating it through the ceramic form. In this course, students will have the opportunity to create on the potter's wheel. Students need to have the ability to work independently with good time management skills. A 3-ring binder with blank sheets of paper will be required.

115 STUDIO ART - PORTFOLIO & CAREER DEVELOPMENT 1 credit
(1 semester) 11,12
Prerequisite: Art Fundamentals and two of the following: Painting I/II, 2-D Art, 3-D Art, Ceramics 1 & II, Drawing

Students will develop a portfolio presentation for college, visit and discuss careers in the visual arts.

Students will create the curriculum with assistance from the art instructor. A sketchbook purchase is required. Students can take this course to prepare for an AP Studio Art portfolio in Drawing, 2-D Design, or 3-D Design. Students must have instructor approval to participate. This course will be offered first semester.

131, 132, 133 (1st, 2nd, 3rd year) YEARBOOK PRODUCTION 1 credit
(full year, course or independent study when necessary in coordination with instructor) 10,11,12
Prerequisite: None

Tell the Story of the Year - What if you could create something that lives beyond your time here, and becomes a permanent part of Newark Catholic High School's history? In Yearbook Production, you will do just that. In the course of learning how to take dynamic photographs that speak to readers without words, how to write compelling stories that bring events alive, how to design pages on a computer that are both technically correct and pleasing to the eye, and how to present yourself professionally by selling advertising, you will end up with a permanent record of your hard work that will be shared with the rest of the NC community for years to come.

Please note that this course is independent study, and course requirements will need to be completed outside of the school day or during a scheduled study hall. Students will need to document hours spent, as well as advertising sales as a required part of the course to earn credit at the end of the year. The sales goal for each student is dependent on the number of students in the class. But do not let that scare you – it is over quickly!

141 INTRODUCTION TO DIGITAL COMMUNICATIONS ½ credit
(1 semester) 10,11, 12
Prerequisite: None

This course is an introduction to multimedia video production. Students will gain skills needed to become more effective communicators with digital technologies. Students will learn news gathering techniques, scripting, camera techniques, interviewing skills, storyboarding, video editing, and post production work. Students will produce a short documentary, broadcast/online commercial, and a movie trailer. Good written and oral communication skills are required. If the course becomes overfilled, juniors and seniors will have priority.

142 SACRED ART & FAITH ½
credit
(1 Semester) 9, 10, 11, 12

In Sacred Art and Faith, students will gain a new awareness of the Catholic faith through the creation of art and the study of the history of art. The class will have a special focus on sacred art in Spanish-speaking countries as well as the integration of cultures into the ways the Catholic faith is lived. Some examples of projects may include: Glass painting of a Saint, Jewelry Arts, Calligraphy and Illumination, and Ceramic Vessels.

143 MATHEMATICS OF ART ½ credit
(1 Semester) 11, 12

Prerequisite: Algebra II

In this class students will discover the links between Art and Mathematics by creating projects based upon various theories like the Golden Mean, Tessellations, and the Art of Architecture. Students will be introduced to the artists Leonardo da Vinci, MC Escher, Le Corbusier and many other artists and architects. Various speakers will visit to discuss the role of both mathematics and art in their professions. The course will culminate in a final culminating project, of the students' choice, encompassing the material presented during the course. This course will be co taught by a member of the math and art department.

144 Photography ½ credit
(1 Semester) 11, 12

Prerequisite: Art Fundamentals

This introductory photography course is a one-semester visual arts elective. It teaches students the technical mechanics of cameras and lighting, principles of visual composition, and digital editing. Students build a foundational portfolio using DSLR cameras and photo-editing software to interpret the world through visual storytelling.

161 PERCUSSION CONCEPTS I ½ credit
(1 semester) 9,10,11,12
Prerequisite: none

Beginning percussion is intended as an introduction to playing different percussion instruments and rhythms. Basic areas covered would include: playing basic percussion patterns, different sticking techniques, learning various percussion instruments, and learning to play together as a group. Class size is limited to 12 students per semester.

162 PERCUSSION CONCEPTS II ½ credit
(1 semester) 9,10,11,12
Prerequisite: Percussion Concepts I

This course will continue with different percussion techniques, patterns and learning to play as a

group. We will also focus on improving our personal drumming skills. All of this will be achieved through the use of a drum pad and other various percussion instruments.

163 MUSIC APPRECIATION ½ credit
(1 semester) 10 (11, 12 as needed)

Prerequisite: None

Music Appreciation will study music from a historical and theoretical perspective. Students will study a wide variety of music styles and how these styles influence the music which is enjoyed by audiences today. This course will include music from the Medieval through Modern Jazz eras, as well as a variety of popular styles.

165 SHOW CHOIR ½ credit
(1 semester) 9,10,11,12
Prerequisite: None, Preference given to Upper Classmen

This performance show choir ensemble gives the student an opportunity to study, rehearse, and perform songs and choral music taken from different style periods as well as set to choreography. The student is encouraged to sing for his or her own enjoyment, and to provide performances for various school and community activities outside of school hours including as the house ensemble for the annual Cabaret & Arts Show. Attendance at rehearsal outside of class time is expected. Emphasis is placed on developing a supported tone, vocal control, and learning and implementing those skills necessary for understanding, appreciating, and performing vocal music with choreographed movement. The course may be taken a maximum of four times with instructor approval and space may be limited.

166 AMERICAN MUSIC PRODUCTION I ½ credit
(1 semester) 9,10,11,12
Prerequisite: None

AMP is a course designed to provide the student with a greater appreciation for musical theatrical performance. Students will learn basic production techniques used in acting including scenery, costume, make-up design, lighting, directing, and musical / dance. Students will learn to apply these concepts in analyzing plays, and in unit projects. At the end of the semester, students will perform or help "behind the scenes" in a school musical production.

167 AMERICAN MUSIC PRODUCTION II ½ credit
(1 semester) 9,10,11,12
Prerequisite: AMP I

AMP II is a more in depth course designed to expand and develop student actors in several areas of

the musical theater/theater environment. Students will learn to apply these concepts through a variety of ways and will perform or help “behind the scenes” in a school musical production

200 ENGLISH / LANGUAGE ARTS

Grade	Course	Title	Credit
9	201	English I	1
10	221	English II	1
10	222	Honors English II	1
11	231	English III	1
11	231	Honors English III	1
12	241	English IV	1
12	242	AP Eng IV	`1
10, 11, 12	251	Speech	½
11, 12	If Pursued	English CCP	1

Please note: CCP offerings available through a given institution of higher education may count for high school dual credit within this department with a passing grade if pursued. Students are to follow the application process to apply for and be granted credits from the state of Ohio; students then work with the guidance counselor in the semester prior to ensure course selections fulfill requirements. Core content area courses for graduation must be taken at Newark Catholic High School– ie: a CCP English cannot take the place of these Newark Catholic courses.

201 ENGLISH I 1 credit
(full year) 9
Prerequisite: None

This course provides a study of literary genres including the short story, the novel, poetry, and drama with an emphasis on multiculturalism. Grammar and usage is presented and reinforced in the context of the student's writing. Writing skills are developed through multi-paragraph compositions and essays related to literary readings. Vocabulary is presented through literary selections. Students will be taught fundamentals for state-mandated testing.

221 ENGLISH II 1 credit
(full year) 10
Prerequisite: English I

This course provides further study of literary genres including the short story, the novel, poetry, and drama. Students are taught how history affects the writing of the 20th century, as well as our culture today. Grammar and writing skills are further developed through multi-paragraph compositions with an emphasis on the thesis statement and the concluding paragraph. Vocabulary is presented throughout the year. Students will be taught fundamentals for state-mandated testing.

222 HONORS ENGLISH II 1 credit
(full year) 10
Prerequisite: "A" in English I
Admission determined by the English Department.

Honors English II is an in-depth study of literary genres focusing upon how history affects and influences the writing of the 20th century. In addition to the material covered in English II, students will read and do research on other authors, novels and historical time periods. Students will be required to do additional essays and or presentations on these works. Students will be taught fundamentals for state-mandated testing. The course is designed to prepare students for Honors English III.

231 ENGLISH III 1 credit
(full year) 11
Prerequisite: English II

English III provides a comprehensive study of American Literature from the Colonial Period to the Contemporary Period. Students will examine the works of important authors from each of the

major eras of our nation's literary development. Required reading includes selections from the literature text and selected novels. Writing skills are strengthened through various multi-paragraph assignments usually dealing with themes and ideas presented in the literature works, and students are taught the steps to writing a formal research paper. Vocabulary is presented with all literary works. Additional grammar and testing strategies are taught to help with the English and Reading portions of the ACT.

232 HONORS ENGLISH III 1 credit
(full year) 11
Prerequisites: "A" average in English II / "A" or "A-" average in Honors English II
Admission determined by the English Department.

Honors English III is an in-depth study of major authors from all periods of American Literature. In addition to material covered in English III, students will read and complete research on additional American authors and their works. Emphasis is placed on literary analysis and strong writing skills. The course is designed to prepare students for advanced studies in English at the senior level. Additional grammar and testing strategies are taught to help with the English and Reading portions of the ACT. This course is designed to prepare students for AP English IV.

241 ENGLISH IV 1 credit
(full year) 12
Prerequisite: English III

The senior English course provides an exposure to the study of many great works in British and world literature covering the Medieval period to the Modern Age. Writing skills are enhanced and reinforced through personal and literary essays and a formal research paper. Language of literature through vocabulary and literary terms is included throughout all literary selections.

242 AP ENGLISH IV 1 credit
(full year) 12
Prerequisites: "A " average in English III / "A" or "A-" average in Honors English III
Admission determined by the English Department.

AP English IV is an enriched and in-depth class covering World literature with an emphasis on various themed units. Advanced writing and literary analysis skills will be incorporated throughout the study of the literature. Students will be responsible for graded practice AP tests as well as a formal research paper. AP English Literature and Composition exam materials are an essential part of the curriculum. Students take the AP English Literature and Composition exam in May. To prepare for the course, students will be required to read two novels during the summer prior to the school year.

251 SPEECH ½ credit
(1 semester) 10,11,12
Prerequisite: None

The purpose of this course is to develop a student's ability to formulate and communicate his/her ideas and feelings effectively to others. Students write and present various types of public speeches, both formal and informal. Oral presentation skills are also taught.

COMPOSITION I – College Credit Plus Course 1 credit - High School
(1 semester) 3 sem hours- College Credit
Prerequisites: **Admission determined by Outside Institution of Learning** 11,12

One example of a CCP English course is Comp I. Composition I is a writing intensive theme-based course that facilitates the development of college-level writing skills. The student will compose papers using expository writing while incorporating one's own thinking with credible research using MLA format. The student also will be introduced to APA format guidelines. The course emphasizes critical thinking, analytical reading, thesis development and deep revision of one's own compositions. The course also includes analysis of audience and theme in one's own writing and the writings of others, while developing the student's critical reading skills. This course fills up quickly. In the case the course is taken in person and If it becomes overfilled, NC will fill the class according to descending grade level (seniors first, then juniors), then by the date that funding was submitted in the OH ID Account.

400 WORLD LANGUAGES

Grade	Course	Title	Credit
9, 10, 11, 12	421	Spanish I	1
9, 10, 11, 12	422	Spanish II	1
10, 11, 12	423	Spanish III	1
11, 12 If Pursued	424	Spanish IV CCP	1
12 If Pursued	425	Spanish V CCP	1
9, 10, 11, 12	431	Latin I	1
10, 11, 12	432	Latin II	1
11, 12	433	Latin III	1
11,12	434	Latin IV	1
12	If Pursued	Other Language CCP	1

* *course not offered in the '25-26 academic year.*

Please note: CCP offerings available through a given institution of higher education may count for high school dual credit within this department with a passing grade if pursued; students are to follow the application process to apply for and be granted credits from the state of Ohio; students then work with the guidance counselor in the semester prior to ensure course selections fulfill requirements.

Prerequisite for Level 1 world language:
A "C" average or higher in previous Language Arts and consultation with the School Counseling Department. A student not meeting this prerequisite may, with counselor permission, be admitted for a six-week provisional period. If the student does not achieve a "C" average in this period, the student may be asked to drop the course.

Please note – colleges place emphasis on at least three years of a world language and take special note of students continuing a world language as a senior.

421 SPANISH I 1 credit
(full year) 9,10,11,12

Spanish I has two goals: cultural competence and language proficiency. Culture will be explored through the categories of cultural products, practices and perspectives. Language proficiency will focus on the three modes of communication: interpretive (reading and listening), interpersonal

(speaking, writing and listening) and presentational (writing and speaking). Novice Mid proficiency level is the end target of this course.

422 SPANISH II 1 credit
(full year) 9,10,11,12
Prerequisite: "C" average or higher in Spanish I

Spanish II has the same goals as Spanish I with a Novice High proficiency level as the end target.

423 SPANISH III 1 credit
(full year) 10,11,12
Prerequisite: "C" average or higher in Spanish II

Spanish III has the same goals as Spanish I and II with an Intermediate Beginning proficiency level as the end target.

ADVANCED SPANISH OVERVIEW
Students who want to expand their Spanish beyond the third year can do so through College Credit Plus at a variety of post secondary institutions; students will follow the typical state-mandated CCP protocols and timeline shared by Guidance annually.

Students participating in online CCP courses will be scheduled for a study hall during the semester(s) they take the course to give time during the day for course completion.

CCP – Spanish 1102 1 HS credit + 4 sem hours
(one semester) 11,12
Prerequisite: See *Advanced Spanish Overview,* previous page

Further development of listening, reading, speaking, and writing skills in cultural contexts. Not open to native speakers of this language through regular course enrollment or EM credit. Considered "Spanish 2" at the college level.

CCP – Spanish 1103 1 HS credit + 4 sem hours
(one semester) 11,12
Prerequisite: See *Advanced Spanish Overview,* previous page

Continuing development of listening, reading, speaking, and writing skills in cultural contexts. Considered "Spanish 3" at the college level.

LATIN OVERVIEW: The Latin program is designed to teach the students to read and comprehend the written Latin language through readings in English and Latin, writing, vocabulary, grammar, language derivatives and syntax. A second objective teaches students the cultural and historical background of the Romans to better appreciate their own society and understand the modern impact on the Western world.

431 LATIN I 1 credit
(full year) 9,10,11,12

Latin I focuses on grammar items including noun declensions, verbs conjugations, numbers, adjectives, and pronouns. Cultural topics include the Roman house, Olympians, growing up, the Roman Monarchy, Pompeii, Roman entertainment, mythical monsters, and the Underworld.

432 LATIN II 1 credit
(full year) 9, 10,11,12
Prerequisite: "C" average or higher in Latin I

Latin II is a continuation of the vocabulary and syntax studies from Latin I with a grammatical focus on pronouns, subjunctive verbs, verbals, and irregular verbs. Cultural topics include the Roman Republic, Punic Wars, mythical heroes, and Julius Caesar. Excerpts from original Latin texts are used to reinforce the language skills learned.

433 LATIN III 1 credit
(full year) 10, 11,12
Prerequisite: "C" average or higher in Latin II

Latin III is an extensive study of Roman poets from the late Republic, Roman politics and the study of Cicero, Roman warfare, and Greek history. Latin texts are translated from authors such as Ovid, Catullus, Horace, Cicero, Pliny and Caesar. The focus is on reading and comprehending the Latin text and gaining an appreciation for the literature in its native language.

434 LATIN IV
(full year) 1 credit
Prerequisite: "C" average or higher in Latin III 11,12

Latin IV is a continued study of poetry and other literature in the late Republic to early Empire. The focus continues to be on reading and comprehending the Latin text and gaining an appreciation for the literature in its native language. Cultural topics include the history of the Roman Empire, Trojan

War cycle including Virgil's *Aeneid,* and Homer's *Iliad* and *Odyssey.*

OTHER LANGUAGE COURSE- CCP 1 HS credit + 3 sem hours
(one semester) 11,12
Prerequisite: inquire with guidance counsel

500 MATHEMATICS

Grade	Course	Title	Credit
9	511	Algebra I	1
9 must meet prereqs, 10	522	Geometry	1
9 must meet prereqs, 10	523	Honors Geometry	1
11	531	Algebra II	1
10, 11	532	Algebra II with Trigonometry	1
12	537	Math Applications	½
12	538	Probability & Statistics	½
11, 12	539	*Math Modeling (Offered as needed)	1
11, 12	540	Pre Calculus	1
12	541	AP Calculus AB	1
11	560	Financial Literacy	½
11, 12	If Pursued	CCP Math	1

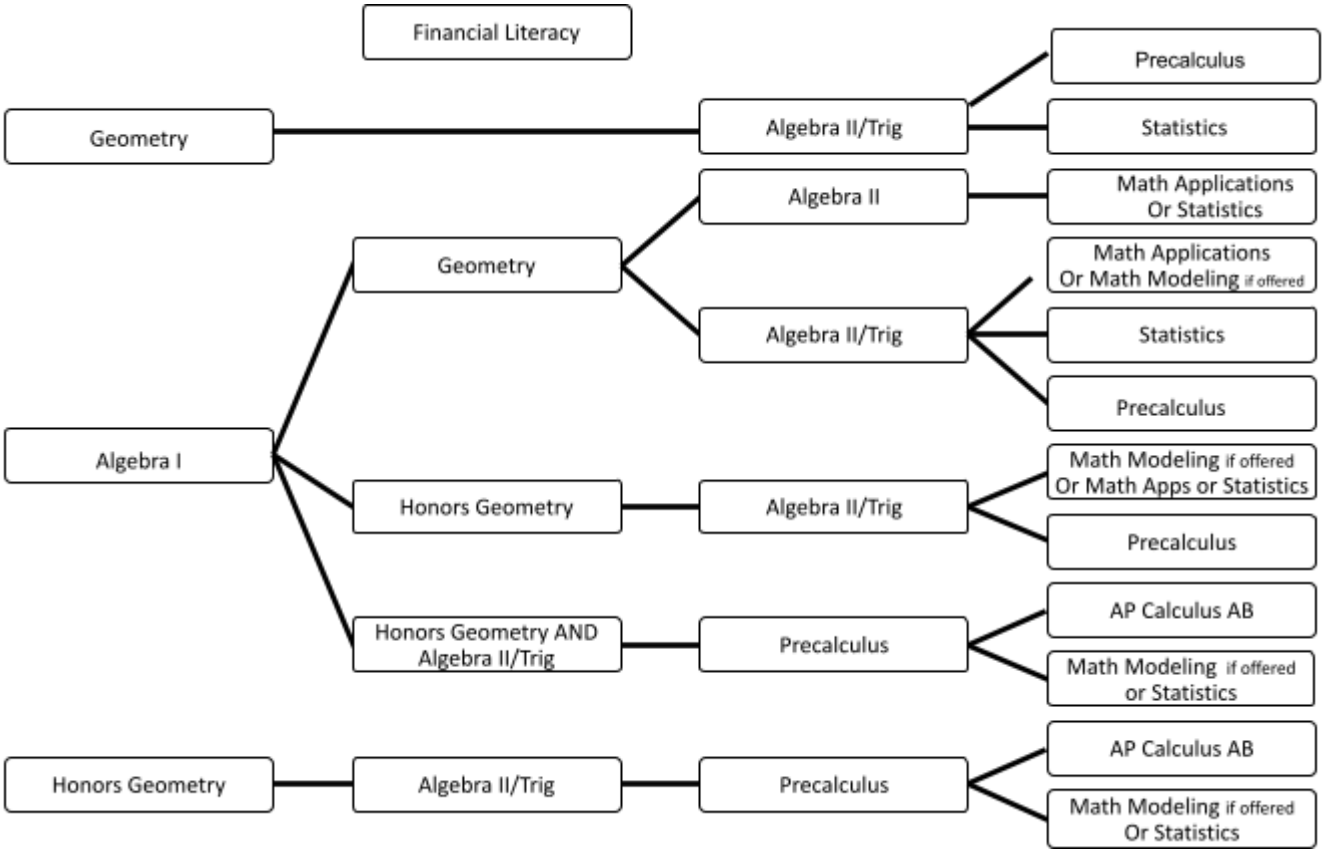
** course not offered in the '25-26 academic year.*

The sequence of study demonstrated below is an example of the *most common* pathways taken by our students for their four years. For more detailed information on alternative pathways, please refer to the prerequisites listed in the course descriptions and inquire with guidance.

Please note: CCP offerings available through a given institution of higher education may count for high school dual credit within this department with a passing grade if pursued; students are to follow the application process to apply for and be granted credits from the state of Ohio; students then work with the guidance counselor in the semester prior to ensure course selections fulfill requirements.

SEQUENCE OF STUDY

To satisfy the state requirement for personal finance education, all juniors will learn finance through the Financial Literacy Course taken typically in the junior year at NC. Students transferring in that have not satisfied the requirement will work with the guidance counselor to schedule this.



CCP Math is an option if pursued.
Some upper level Math courses run on a rotation or needs basis.

The mathematics courses offered at Newark Catholic High School are designed to challenge students at every ability level. Accordingly, students are expected to take courses appropriate to their ability. Four years of mathematics is required, and students in the state of Ohio must complete Algebra 2 before graduation.

In general, the material in the mathematics classes is presented in a lecture-discussion format, supplemented with cooperative learning, technology, and manipulative activities. Emphasis is placed on completion of homework, practical applications, and, where possible, the interrelationship between mathematics and the physical sciences.

Texas Instruments graphing calculators (TI-84) are required and expected to be maintained by the student.

Students should pay particular attention to prerequisites for courses, as they will be strictly observed.

Prerequisites for Double Scheduling Math

The Algebra I teacher recommends students for double scheduling math based on grades through the end of semester one. These students are determined by: an "A" or "A-" in Algebra.

All students scheduled in double math their sophomore year are automatically placed in Honors Geometry and Algebra II/Trig. These students have first priority in being placed in Honors Geometry. The students involved in the 8th grade Algebra program will have second priority in placement into Honors Geometry with the recommendation of the instructor.

Students enrolled in either Honors Geometry or Geometry will be able to schedule for Algebra II/Trig the following year if their grades are sufficient and the teacher recommends it.

Prerequisites for Incoming Freshmen to take Honors Geometry

1. Student has taken and successfully completed an Algebra I class in the eighth grade that has been taught by a certified Algebra teacher following the Diocesan Course of Study or the Public School District course of study.
2. Students take and pass the Algebra state End of Course Assessment with Accelerated or Advanced score and fulfills NC Prereq for grade earned.
3. Student's STAR Math data and High School Placement test data demonstrates high aptitude over numerous data points and/or years.

Prerequisites for Incoming Freshmen to take Geometry

4. Student has taken and successfully completed an Algebra I class in the eighth grade that has

been taught by a certified Algebra teacher following the Diocesan Course of Study or the Public School District course of study.

5. Students take and pass the Algebra state End of Course Assessment with Proficient or higher score and fulfills NC Prereq for grade earned.
6. Student's STAR Math data and High School Placement test data demonstrates high aptitude over numerous data points and/or years; given limited space in Honors, and available data including EOC passing score, distinction regular geometry instead of honors geometry may be recommended.

511 ALGEBRA I 1 credit
(full year) 9
Prerequisite: Placement determined by the School Counseling Department upon admission.

Deductive reasoning will be taught through work with polynomials and problem solving. Topics will include: graphing and solving linear and second-degree equations and inequalities; graphing and solving linear and second-degree systems; rational and irrational numbers; and polynomial operations. This course is designed to help prepare the students for state-mandated assessments.

522 GEOMETRY 1 credit
(full year) 10
Prerequisites: Algebra I "B" average or lower; incoming freshmen qualify according to the conditions outlined in this section before the course offerings.

The basic concepts of Euclidean geometry are introduced by relating geometry to algebra through the coordinate plane. Topics covered include: congruence, similarity, area, volume, transformational and coordinate geometry, and right triangle trigonometry. The emphasis of this course is the strengthening of algebraic skills through geometry. This course is designed to help prepare the students for state-mandated assessments.

523 HONORS GEOMETRY 1 credit
(full year) 9,10
Prerequisites: Algebra I "B+" average or higher; incoming freshmen qualify according to the conditions outlined in this section before the course offerings with strong emphasis upon data.

The basic concepts of Euclidean geometry are introduced. Written formalization of deductive reasoning is taught through geometric proof. Topics covered include: congruence, similarity, area, volume, transformational and coordinate geometry, and right triangle trigonometry. The emphasis of this course is deductive and inductive reasoning. This course is designed to help prepare the students for state-mandated assessments.

531 ALGEBRA II 1 credit
(full year) 11
Prerequisites: Geometry "B-" average or lower

This course will review and extend the algebraic concepts from Algebra I and Geometry. Topics include: linear, quadratic, rational and polynomial equations and inequalities; functions; irrational and complex numbers; and graphing techniques. The emphasis of the course is on the solidification of the skills of deductive reasoning.

532 ALGEBRA II WITH TRIGONOMETRY 1 credit
(full year) 10,11
Prerequisites: Geometry "B" average or higher or Honors Geometry "B-" average or higher
Algebra I "C" average or higher
May be taken concurrently with Honors Geometry if student qualifies for double scheduling

This course will briefly review the algebraic concepts from Algebra I and Geometry, and will extend them to include linear, quadratic, rational and polynomial equations and inequalities; functions; irrational and complex numbers; discrete mathematics; analytic geometry; graphing techniques; and a thorough treatment of trigonometry.

537 MATHEMATICAL APPLICATIONS 1/2 credit
(1 Semester) 12
Prerequisites: Algebra II, Algebra II with Trigonometry
Placement determined by the Math Department

Mathematical applications is a senior level course. Topics covered will include set theory, logic, various number systems, algebra, geometry, number theory, consumer math, and elementary probability.

538 STATISTICS & PROBABILITY 1/2 credit
(one semester) 12
Prerequisites: Algebra II, or Algebra II with Trigonometry
Placement determined by the Math Department

This course will serve as an introduction to basic statistics and probability. It will focus upon skill sets such as: statistical data analysis– mainly in one variable but some multivariable analysis, how to make inferences and best model for data, as well as probability and expected outcomes.

539 MATHEMATICAL MODELING (*offered periodically on a rotation as needed)* 1 credit
(full year) 11,12
Prerequisites: Algebra II with Trigonometry "C" average or above

Placement determined by the Math Department

Course introduces mathematical modeling, based on the use of elementary functions, to describe and explore real-world data and phenomena. Graphical, numerical, symbolic, and verbal methods are used in the investigation of data, functions, equations, and models. Emphasis is placed on the applications and the ability to construct useful mathematical models, to analyze them critically, and to communicate quantitative concepts. Setting up and solving basic word problems is a key component of the course.

540 PRECALCULUS 1 credit
(full year) 11,12
Prerequisites: Algebra II with Trigonometry "B" average or higher
Placement determined by the Math Department

Course will explore the interrelationships between geometry and algebra. Topics will include: concepts of functions, circular and trigonometric functions, analytic geometry, nonlinear graphing, polar graphics, complex numbers, series and sequences, and an introduction to statistics.

541 AP CALCULUS AB 1 credit
(full year) 12
Prerequisites: Precalculus "B" average or higher

Placement determined by the Math Department

This course is designed to show the relationships between functions, graphs, and limits, and how they relate to Differential and Integral Calculus. Topics include: deriving formulas for the derivative of various functions, evaluating finite and infinite limits, expressing answers and ideas graphically, and developing integral formulas. This class is designed to expand on Precalculus knowledge and show how Calculus is formed on those principles. Students participate in the AP Calculus AB test in May for the opportunity to earn college credit.

560 FINANCIAL LITERACY 1/2
credit
(one semester) 11
Prerequisites: Algebra I

This is an introductory course in the study of Financial Literacy and Consumer Economics/Personal Finance. It is a one semester course and is aligned to Ohio's New Learning Standards. The course will begin by examining the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. A heavy emphasis will be placed on preparing students for their immediate financial future and teaching skills that will be applicable in real-world situations. The second half of the semester will explore

the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants, placing focus on micro and macro economic concepts, as well as the global economy.

OTHER MATHEMATICS CCP /Advanced HS Math Credit 1 HS credit + 3 sem hours
(one semester) 11,12
Prerequisite: Algebra II with Trig

600 SCIENCE

Grade	Course	Title	Credit
9	611	Physical Science	1
10	621	Biology I	1
9 ,10	622	Honors Biology I	1
11, 12	623	Biology II	1
11	631	Chemistry I	1
10, 11	632	Honors Chemistry I	1
11, 12	633	AP Chemistry	1
11, 12	641	Physics	1
12	650	Environmental Science- Community	½
12	651	Environmental Science- Global	½
11, 12	652	Physics for Robotics, Engineering I	1
11, 12	653	Physics for Robotics, Engineering II	1
11, 12	660	Astronomy	1
11, 12	661	Nutrition & Anatomy	1
11 ,12	662	AP Bio	1
10, 11, 12	663	STEM Lab	1
11 ,12	If Pursued	Science CCP	1

** course not offered in the '25-26 academic year.*

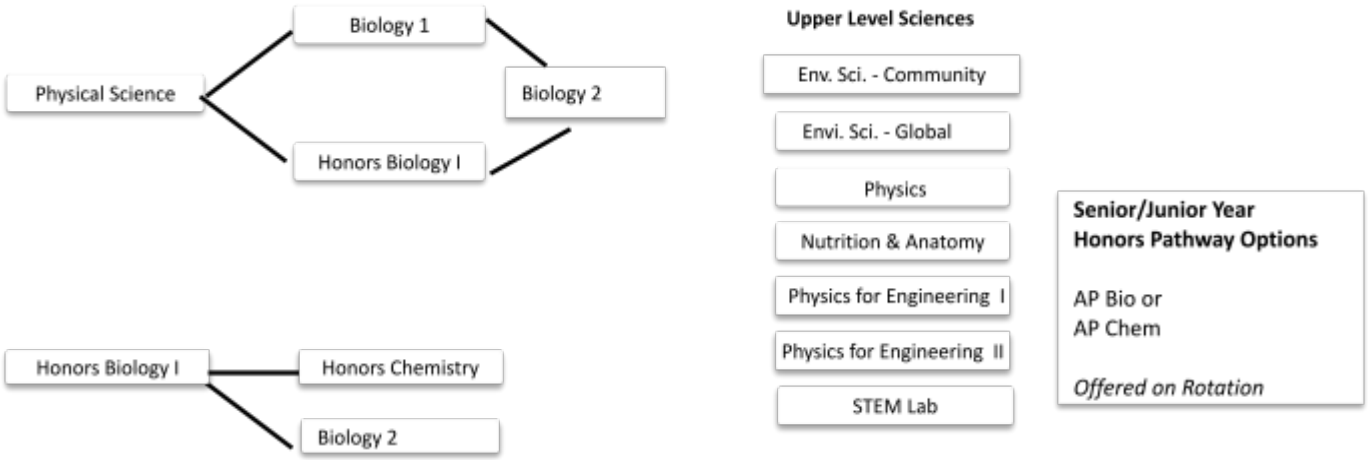
Space in lab sciences and honors courses can be limited. Final determination is made by recommendation of the science department and guidance counselor using student academic data for

the determination.

The sequence of study demonstrated below is an example of the most common pathways taken by our students for their four years. For more detailed information, please refer to the prerequisites listed in the course descriptions. Please also note that upper level sciences are offered on a rotation based on need. IE: AP Bio and AP Chem.

Please note: CCP offerings available through a given institution of higher education may count for high school dual credit within this department with a passing grade if pursued; students are to follow the application process to apply for and be granted credits from the state of Ohio; students then work with the guidance counselor in the semester prior to ensure course selections fulfill requirements. Core content area courses for graduation must be taken at Newark Catholic High School– ie: a CCP English cannot take the place of these Newark Catholic courses.

SEQUENCE OF STUDY



CCP Science is an option if pursued.
Some upper level Science courses run on a rotation or needs basis.

611 PHYSICAL SCIENCE 1 credit
(full year) 9
Prerequisite: none

This course is an introduction to chemistry, physics, and earth science and includes development of problem solving skills and laboratory procedures. The focus of the course will be the nature of matter, changes in matter, chemical reactions, motion and energy, waves and wave properties, electricity and magnetism, earth and space.

621 BIOLOGY I 1 credit
(full year) 10
Prerequisite: n/a

Designed for the first year biology student, Biology I covers an array of modern biology topics: molecular and cellular biology, genetics, classification, evolution, ecology, and a comparative survey of the domains and kingdoms of all of the organisms on earth. The course emphasizes skills in scientific problem solving, taxonomy, and development of laboratory skills, including use of the microscope and other laboratory apparatus. This course uses an inquiry-based approach to biology. This course is designed to help prepare the students for state- mandated assessments.

622 HONORS BIOLOGY I 1 credit
(full year) 9, 10
Prerequisites: Placement determined by the Science Departments

Honors Biology I will be analyzing the organization of life, from the cell to the environment. The major topics being covered will be the scientific method, genetics, botany, anatomy, evolution, taxonomy, animal behavior, and ecology. Emphasis will be placed on developing the scientific mind through critical thinking, laboratory experiments, selected readings, and looking into current scientific research. Projects will be done periodically through the year.

623 BIOLOGY II 1 credit
(full year) 11,12
Prerequisites: Bio I

This course is designed for students considering a career in the sciences and/or wishing to build upon their Biology I background. This course covers the "study of all life" which includes analyzing the creation of a cell as well as the organization of the environment. Topics will be covered using a

case study approach, where multiple levels of biology will be integrated into an in-depth exploration of the topic, potentially discussing principles of molecular biology, genetics, botany, microbiology, ethology, ecology, anatomy, and evolution. "Current research" will be brought into the classroom through discussion, homework, and projects. Laboratory experiments, dissections, and possible field trips will take place periodically throughout the year. This course fulfills the requirements for an advanced science for graduation.

631 CHEMISTRY I (not required for graduation Classes of 2027 & beyond) 1 credit
(full year, offered based upon demand/need only) 11
Prerequisites: Algebra, Biology I

This course utilizes a conceptual approach to the major principles of chemistry. Solving problems will be one of the course objectives. However, the major emphasis will not be on the mathematics of chemistry. Topics covered include measurement, matter-energy-change, atomic theory, bonding, chemical shorthand, descriptive chemistry, nuclear chemistry, organic chemistry, and qualitative analysis. This course is designed to provide those students planning careers in traditionally non-science majors such as business, social sciences, arts and the humanities with a fundamental understanding of chemistry and its connection to other sciences and technologies. This course meets college requirements for a laboratory science and will serve as preparation for college basic science courses for non-science majors. This course fulfills the requirements for an advanced science for graduation.

632 HONORS CHEMISTRY I 1 credit
(full year) 10,11
Prerequisites: Algebra II with Trig

This course follows a logical, sequential development of major chemical principles, beginning with the "mechanics" of chemistry, the theoretical development of the atom and the structure of matter as it relates to the periodic table. Other topics include the mole concept, stoichiometry, equilibrium, reaction rates, acids and bases, and oxidation and reduction. Some descriptive and analytical chemistry is included. Extensive application of mathematical skills in problem solving and laboratory work is integral to this course. This course meets college entrance requirements and is intended for science or math majors.

633 AP Chemistry (offered on a rotation with AP Bio every other year) 1 credit
(full year) 11 or 12
Prerequisites: Completion of Honors Chemistry; placement determined by Science Department

This course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students will take the AP exam in the second semester. This course's content and its pace is rigorous in

preparation for the Spring exam offered by the College Board.

641 PHYSICS 1 credit
(full year) 11,12
Prerequisites: Placement determined by the Science Dept with Successful completion of Algebra II or Algebra II w/Trig

Physics investigates the macroscopic world in which we live. This course is mathematic intensive and emphasizes problem solving involving the fundamental concepts of physics. The topics covered include kinematics, dynamics, forces, gravitation, momentum, states of matter and energy, wave motion, optics, sound, electricity and magnetism, nuclear and astrophysics. This course fulfills the requirements for an advanced science for graduation. The course examines physics concepts through a Catholic worldview to consider how one can build upon knowledge of physics to contribute to and care for God's world.

650 ENVIRONMENTAL SCIENCE - COMMUNITY ½ credit
(1st semester) 12
Prerequisite: None; both Environmental Sciences are taken the same year, one each semester

Environmental Science introduces ecological topics ranging from ecosystems to individual organisms. Some of the topics introduced in the course include the nature of ecology as a science, the individual and its physical environment, population distribution and growth, biodiversity, and community dynamics. Environmental concepts will be explained using examples from diverse habitats and across a broad spectrum of taxa (bacteria, fungi, animals and plants). Special topics include recent advances in environmental studies as well and specific studies of environmental issues in our local community

651 ENVIRONMENTAL SCIENCE - GLOBAL ½ credit
(2nd semester) 12
Prerequisite: None; both Environmental Sciences are taken the same year, one each semester

Explores Earth's natural systems, as well as how human activity affects the environment; students will apply the scientific method to investigate natural flows of chemical, water and energy in terrestrial, aquatic, and atmospheric systems, and how humans impact these natural flows and systems.

652 PHYSICS FOR ROBOTIC ENGINEERING I 1 credit
(full year) 11,12
Prerequisites: Approval by department

Students will learn to apply Physics topics (Electricity and Magnetism, Series and Parallel Circuits,

Solid-State Electronics, Work and Simple Machines, Motion, Forces in One and Two Dimensions, and Rotational Motion) combined with computer programming and circuit design to solve real world problems. Students will make use of the Arduino Uno Microcontroller, Makerbot Replicator 3D Printer, Autodesk Inventor, and other lab equipment to complete assignments. Students will design and build a First Robotics Competition robot based on the FRC guidelines posted every January.

653 PHYSICS FOR ROBOTIC ENGINEERING II 1 credit
(full year) 12
Prerequisites: Successful completion of Physics for Robotic Engineering I

Students will complete four projects (quarter long projects) based on skills learned in Robotics I. Students and the instructor will design the parameters of the project and students will use project management skills to create goals and deadlines in order to complete their project within the given time period. Project difficulty will require students to research advanced skills in order to complete their project.(*See note)

**Physics for Engineering is intended for students with specific interest in expanding their skills in the applied physics and technology specified above. It is not a replacement for a core track science, such as Physics, Biology 2, or Environmental Science.*

660 ASTRONOMY (not offered in '24-25) 1 credit
(full year) 11, 12

Prerequisites: Completion of lower level Science with passing Grade
This course provides an overview of the universe and its components, covering topics such as the solar system, stars, galaxies, and black holes. Students will develop scientific inquiry skills and engage in hands-on activities, such as astrophotography and observing the night sky. Additionally, they will learn about the history of astronomy and the importance of space exploration. By the end of the course, students will have a solid foundation in Astronomy and be prepared for further studies in science and related fields. This course fulfills the requirements for an advanced science for graduation.

661 NUTRITION & ANATOMY 1 credit
(full year) 11, 12

This course provides an introduction to human nutrition including food groups, functions, and examples of foods and their impact on human health. Anatomy and physiology and it's role in human health will also be explored, as well as exercise, diet, and lifestyle impacts on the aging process. In addition, this course explores the correlation between food and how the body reacts and functions as a response depending on food type. A close look at diseases, preventative health, food as medicine, and how environment impacts the body and its major organs and positive health outcomes will also be investigated.

662 AP BIO 1 credit
(full year) 11, 12
Completion of Honors Bio and a Chemistry

This course provides students with a college-level foundation to support future advanced coursework in biology. From the smallest units of life to how healthy ecosystems can be sustained, AP Biology explores the key principles of biology. While you learn about genetics and how it affects evolution, how energy flows through ecosystems and other fascinating topics, you'll also learn how to think critically, solve problems, and communicate scientific ideas effectively. Skills include: Designing experiments and procedures to test a prediction of a hypothesis, collecting and analyzing data, interpreting data to draw conclusions, developing and supporting a scientific claim with evidence, and communicating findings. Students will take the AP Biology exam in their second semester. This course's content and its pace is rigorous in preparation for the Spring exam offered by the College Board.

663 STEM Lab 1 credit
(full year) 11, 12
Completion of Bio I

This course is an opportunity for hands-on exploration and mentorship in a variety of STEM topics. This course does not take the place of core science requirements but rather is an elective. ADD MORE HERE PER DUNCAN AND DR BELL LATER. Students may repeat this course given changing topics driven by student interest.

Other SCIENCE CCP /Advanced HS Science Credit 1 HS credit + 3 sem hours
(one semester) 11,12

700 WELLNESS

Grade	Course	Title	Credit
9, 10, 11, 12	701	PE (or Waiver)	¼ (0 credit for Waiver)
11, 12	702	Fitness for Life	1/2
11, 12	703	Weight Lifting Elective	1/2
11, 12	704	Leadership & Communication	1/2
9, 10 , 11, 12	731	Health	1/2
9	732	Life Skills & Personal Wellness	1/2

701 PHYSICAL EDUCATION ***(& Waiver info)*** ¼ credit for course
(one semester) 9,10,11,12 *0 credit for waiver*
Prerequisite: None

This course is a requirement for graduation, enabling the student to increase understanding of fitness and total wellness through individual and group activities. Each student will be encouraged to participate in goal setting for individual fitness, cooperative group activities, and strategic games. Students will be graded on their knowledge of activities demonstrated through quizzes, homework, daily participation, and general attitude toward others. *A waiver (worth zero credit) for PE may be utilized to demonstrate completion allowable by the state of Ohio to satisfy the PE graduation requirement with completion of one of the following: 2 seasons in a NCHS Sport(s) or Show Choir or 2 Years with JROTC, arranged through Newark High School. Students utilizing a waiver still have to obtain other elective credits toward graduation if a waiver is used to satisfy the requirement for PE.*

702 FITNESS FOR LIFE ½ credit
(one semester) 9,10,11,12
Prerequisite: None

This course is designed to provide an opportunity for students to increase their level of physical fitness through basic to moderate exercise training. In addition, each student will gain an understanding of the importance of physical fitness and flexibility. This course includes, but is not limited to cardiovascular activities, plyometrics, basic kinesiology, and aerobic exercises. Healthy sportsmanship is incorporated during team play.

703 WEIGHT LIFTING ½ credit
(one semester) 10, 11, 12
Prerequisite: None

This course introduces students to the fundamentals of weight lifting and strength training, Emphasizing safety, technique, and proper progression, students will learn how to safely perform a variety of exercises to enhance overall strength, muscular endurance, and fitness. Through a combination of theoretical lessons and hands-on practice, students will develop a solid understanding of how to design a personalized workout routine, track their progress, and make informed decisions about their fitness journey.

704 LEADERSHIP & COMMUNICATION DEVELOPMENT ½ credit
(one semester) 11, 12
Prerequisite: None

This course will work on defining leadership, its role on influence, and the impact of communication. These topics will be studied regarding influence on all aspects of a person's life (personal, career, social, family, and spiritual), and all periods in a person's lifespan. Content areas include: the role of influence, decision-making, problem-solving, goal setting, effective communication, organization and time management, leadership styles, influence in relationships, community impact, and strategies to implement change. Students will engage in reading, group and individual projects, interviews, self-analysis and discussion.

731 HEALTH ½ credit
(one semester) 9,10,11,12
Prerequisite: None

This course is designed to assist students in developing positive health attitudes and practices throughout their lives. The course work will involve information to assist students in increasing their awareness about physical, mental, social, and spiritual health. This course will also include information dealing with individual, family, and community well-being.

732 LIFE SKILLS & PERSONAL WELLNESS ½ credit
(one semester) 9
Prerequisite: None

This course is designed to address the needs of the young adolescent and will include numerous guest speakers, work in organization and academic skill sets necessary for success in high school as well as delving into mental, physical and spiritual wellness through exploration of Theology of the Body. The course addresses many requirements mandated by the state of Ohio for instruction with more depth and purpose infused with a Catholic worldview through an in depth exploration of topics.

800 THEOLOGY

Grade	Course	Title	Credit
9 Theology I	811	Revelation of Jesus Christ in Scripture	½
9 Theology I	812	Who is Jesus Christ?	½
10 Theology II	821	The Mission of Jesus Christ (The Paschal Mystery)	½
10 Theology II	822	Jesus Christ's Mission Continues in the Church	½
11 Theology III	831	Sacraments as Privileged Encounters with Jesus Christ	½
11 Theology III	832	Life in Jesus Christ	½
12 Theology IV	841	History of the Catholic Church	½
12 Theology IV	842	Living as a Discipline of Jesus Christ is Society	½
11, 12	850	Exploring the Vocation to Catholic Education through Service	½
11, 12	851	Philosophy of Religion	½

10,11, 12	852	Liturgical Schola	½

811 THE REVELATION OF JESUS CHRIST IN SCRIPTURE ½ credit
1st Semester 9

This course is designed to give students basic information about Sacred Scripture in order to prosper reading and understanding the Bible. Students will focus on key concepts highlighting the fact that Scripture is the Inspired Word of God and a primary means for encountering the Revelation of the Living God with a particular focus on the Good News of Jesus Christ.

812 WHO IS JESUS CHRIST ½ credit
2nd Semester 9

This course is designed to move students into a deeper understanding of Jesus Christ as the ultimate revelation from God to us. Students will delve into the mystery of Jesus through the study of the Incarnation. Exploring the great mysteries of Christ, students will then focus on the human response – faith.

821 THE MISSION OF JESUS CHRIST (The Paschal Mystery) ½ credit
1st Semester 10

Students will explore what God has done for us (Redemption) through Jesus Christ and the Paschal Mystery. Through this course, students will learn they share in this redemption and explore what it means to be a disciple of Christ.

822 JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH ½ credit
2nd Semester 10

Students will study the Apostles and the beginning of the Church. Students will learn that the Church is the Body of Christ sustained by the Holy Spirit with an emphasis on the sacred nature of the Church.

831 SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST ½ credit
1st Semester 11

Students will study each of the Sacraments as the means by which they receive Christ in a full and real way with a special emphasis on the Eucharist.

832 LIFE IN JESUS CHRIST ½ credit
2nd Semester 11

Students will study and learn the moral precepts and concepts that should govern a life lived as a disciple of Christ. This focus will help students understand that it is only through Christ that they can fully live out God's plan for their lives.

841 HISTORY OF THE CATHOLIC CHURCH ½ credit
1st Semester 12

This course will explore the 2,000-year history of the Catholic Church beginning with the Apostles and ending with the present apostolic successor. Students will also learn about the role of the Holy Spirit in sustaining the Church through its tumultuous time emphasizing the church's both Divine and human elements.

842 LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY ½ credit
2nd Semester 12

This course 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.

850 EXPLORING THE VOCATION TO CATHOLIC EDUCATION THROUGH SERVICE
(one semester)
Prerequisites: 3.0 GPA & personal transportation to service site ½ credit
11, 12

This course explores the call to Catholic Education as a secondary vocation; it is designed to give students the philosophy of Catholic Education which distinguishes service in Catholic schools from other school cultures as well as an intro to pedagogy and methods through service. Topics include: classroom management, high yield instructional strategies, how to gather and analyze data, and introductory lesson planning techniques among others. Student participation in the required field experience assisting an assigned teacher(s) in the school requires that the student can arrange for his or her own transportation; parent permission and forms must be completed prior to participation in the field experience components of the course and the student must be in good conduct standing. The nature of this course demands a Christ-like, servant-leader mindset in representing NC.

851 PHILOSOPHY OF RELIGION ½ Credit
(one semester) 11, 12
Prerequisites: Theology I & II

Using reason alone, students will discuss topics concerning religion like God's existence, what God is, the Problem of Evil, theodicy, what God must be like given our experience of the world, the possibility of miracles, the coherence of the salvation story, the 'motives of credibility' for the Catholic religion, and so on.

852 LITURGICAL SCHOLA ½ Credit
(one semester) 10, 11, 12
Prerequisites: Theology I & II

The purpose of a Schola Cantorum ("School of Singing") is to train students in the performance of Gregorian chant and polyphony for liturgical celebrations to give glory to God. Students will learn about the Church's liturgical music tradition and how to chant the Ordinary parts of the Mass (Kyrie, Gloria, Alleluia, Credo, Sanctus, Agnes Dei, Pater Noster, etc.) in various settings. The purpose of this instruction will be to perform and lead these chants during school liturgies to broaden the student body's exposure to the vast musical tradition of the Church and elevate the solemnity of our liturgical celebrations.

NC/C-TEC Dual Enrolled Students

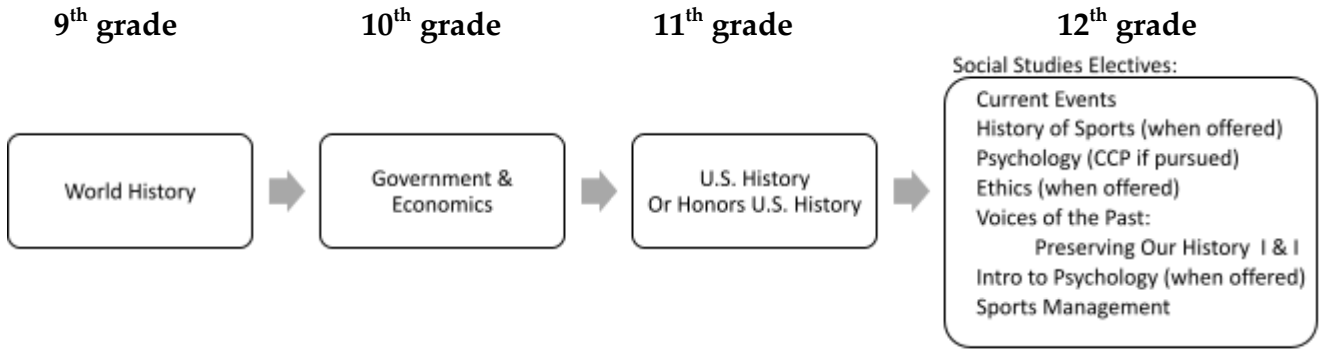
THEOLOGY III / THEOLOGY IV 1 credit each
(All year) 11,12

Students who attend C-TEC and remain at Newark Catholic as their home school *are required to participate in theology instruction on campus at NC*. Generally, this occurs during the first or last period of the day or after school; when possible, students are accommodated to ensure they are free during supervised study at C-TEC and can travel to NC for these courses and fulfill requirements. Should this be impossible due to a lack of flexibility in lab time at C-TEC, the student will be made aware in the Spring by the Guidance department because the Newark Catholic High School Diploma requires that students comply with Diocesean theology course policy.

900 SOCIAL STUDIES

Grade	Course	Title	Credit
11	911	United States History	1
11	912	Honors U.S. History	1
10	925	Government & Econ	1
9	941	World History	1
12	951	Current Events	1
11, 12 If Pursued	953	CCP Psychology or other Social Studies CCP	1
11, 12	954	History of Sports	½
11, 12	956	Voices of the Past: Preserving our History I	½
11, 12	957	Voices of the Past: Preserving our History II	½
11,12	959	Criminology	½
11, 12	960	Ethics	½
11, 12	961	Psychology	½
12	962	Sports Management	½

SEQUENCE OF STUDY



Students transferring to NC after freshman year may have taken a different order of social studies courses. Students will be placed in Government & Economics and U.S. History first to ensure there is enough time to earn NC requirements.In this case, the Guidance Department will assess the situation, examine state requirements and graduation pathways and determine the needed sequence and best course of action upon enrolling.

911 UNITED STATES HISTORY 1 credit
(full year) 11
Prerequisite: None

Students will chronologically study the history of the United States of America with an emphasis on both domestic and foreign affairs from 1877 to the present. In addition, emphasis will be placed on historical documents that helped shape the United States, applying concepts of the earlier Enlightenment movement to the application of the U.S. Constitution. The episodes of America's past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives in attempts to draw solid conclusions in students' understanding of how these events came to pass and their meaning in our world today.

912 HONORS UNITED STATES HISTORY 1 credit
(full year) 11

Prerequisite: A average in World History and Gov/Econ.
Admission is determined by the social studies department

Students will chronologically study the history of the United States of America with an emphasis on both domestic and foreign affairs from 1877 to the present. In addition, emphasis will be placed on historical documents that helped shape the United States, applying concepts of the earlier Enlightenment movement to the application of the U.S. Constitution. The episodes of America's past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives in attempts to draw solid conclusions in students' understanding of how these events came to pass and their meaning in our world today. In addition to the material covered in the United States History course, students will engage in individual reading and research. Emphasis will be placed on evaluating primary sources to create a claim or thesis and explaining and supporting that analysis in writing.

925 GOVERNMENT & ECONOMICS 1 credit
(full year) 10
Prerequisite: None

The purpose for this course is to study the American government system from the beginning

origins of state laws and the development of the constitution to the current political system. The course will emphasize the three branches of government, constitutional laws at both the national and state levels, comparative political and economic systems, participating in state and local government, and political behavior. Students will also be introduced to the basic concepts of the American economic system. Students will study the American free enterprise system, how markets work, business and labor organizations, finance, taxes and government spending, and the global economy. Additionally, students will study personal finance, including budgeting, taxes, financing college education, and credit. Students will understand the impact of debt on their personal economy.

941 WORLD HISTORY 1 credit
(full year) 9
Prerequisites: None

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

951 CURRENT EVENTS ½ credit
(1st semester) 12
Prerequisite: None

This elective course discusses political, social, and economic issues both domestically and around the world. Various forms of media, magazines, newspapers, and other periodicals will be used as resources to brief students on world events. An emphasis will be placed on the proper use of the internet for current information and recognition of potential bias in the media. There will be a number of reading/homework assignments daily in addition to weekly assessments.

953 PSYCHOLOGY CCP – College Credit Plus Course 1 credit - High School Credit
(1 semester) 3 sem hours- College Credit
Prerequisites: **Admission determined by Post Secondary Institution** 11,12

Introduction to Psychology is a college course, taught by a COTC professor, that provides an introduction to the areas of basic theoretical constructs, nervous system functioning, perception, learning, memory, emotion, cognition, intelligence, personality theories, stress, social psychology and motivational psychology. This course fills

up quickly. If it becomes overfilled, NC will fill the class according to descending grade level (seniors first, then juniors), then by the date that funding was submitted in the SAFE Account.

** Note – Additional requirements for Psychology/CCP taken at NC:*
(1) Acceptable placement test score or ACT score;
(2) State funding to classify as a CCP student.

955 HISTORY OF SPORTS ½ credit
(1 semester) 12
Prerequisite: U.S History or Honors U.S. History

This history elective will examine how American culture has developed a special and intense relationship with sports. Our studies will focus on helping students gain a greater comprehension of the social, economic, and cultural influence that sports have on American society. We will examine the roles that gender, race, ethnicity, consumerism, mass media, and economics have played over time. Students will do historical investigation through a wide range of primary and secondary documents, examining videos and speeches, reading oral histories, and beginning research of their own. This course is broken down into current event readings in sports, examination of historical documentaries, and application of sports in real world literature.

956 VOICES OF THE PAST: PRESERVING OUR HISTORY, I ½ credit
(1 Semester) 11, 12
Prerequisite: World History

In this research based course, students will use primary and secondary sources to assemble and synthesize stories of family and community members, veterans, and former students at Newark Catholic. This course will involve working with community stakeholders, public records, historical societies and databases to create biographies of the topics researched. Students will take an in-depth look at how specific historical events and time periods have affected the lives of the individuals they study. Collaborative learning principles will be utilized in this project-based course. Students will also be expected to complete a service learning project based on their work in this course.

957 VOICES OF THE PAST: PRESERVING OUR HISTORY, II ½ credit
(1 Semester) 11, 12
Prerequisite: Voices of the Past: Preserving Our History, I

In this research based course, students will delve deeper into independent study with mentorship from the instructor to set forth the purpose for the project, points of inquiry, and strands from the high school history course of study for immersive, project-based study. Students will draw upon primary and secondary sources to assemble and synthesize stories of family and community members, veterans, and former students at Newark Catholic. Students may choose to build upon the topics of study from course I and expand the service learning element or set forth a related or different topic of study with the instructor's approval.

959 CRIMINOLOGY ½ credit
(1 semester) 11,12
Prerequisite: Government/Econ

As an all-encompassing introduction to the study of crime, criminals and the justice system, students will engage in study rooted in analysis and synthesis of past and current practices. Students will consider the justice system's response through a Catholic world-view of morality and through a social science lens. With regard to crime, the course examines its relativity to society, the history, the cost, and why it occurs. Students will take an in-depth look at a criminal's behavior. The course examines the criminal justice system's response, recidivism and prevention.

960 ETHICS ½ credit
(1 semester) 11, 12
Prerequisites: None

Ethics is a discipline of Philosophy which will inform students on how they should behave as a moral agent. Students will practice reading texts not just of Philosophy, but also those which teach notions of it indirectly like plays and narratives. This is a course in the Natural Law tradition, endorsed by the Magisterium of the Catholic Church, in which one reflects on the world around them, what things exist, what kind of beings human-persons are, and how they ought to behave from a purely Philosophical perspective. The final aim of the course is to show the student that one does not even have to be Catholic to come to the same conclusions as the Church does on the dignity of the human person.

961 INTRODUCTION TO PSYCHOLOGY ½ credit
(1 semester) 11, 12
Prerequisites: Life Skills/Personal Wellness & Health

Introduction to Psychology is an elective course that gives a student a precursory level understanding of individual human behavior in preparation for later courses post secondary. During the semester the students will be introduced to many aspects of psychology including but not limited to: personality and attitude development from infancy to the elderly years,

psychological disorders, mental health, and mental illnesses. Students will explore these topics through: group discussion, lecture, experiments and research projects. This introductory course provides a systematic and scientific study of human behavior and mental processes. Students will explore the historical development of psychology and apply contemporary psychological perspectives to real-world scenarios considering this discipline from a Catholic worldview.

962 Sports Management ½ credit

(1 semester) 12

Prerequisites: History of Sports or Digital Communications (Class of 2027 on)

This hands-on course teaches sports administration through a Catholic, service-oriented lens. Students explore event planning, marketing, basic finance practices and leadership by spearheading logistics for school athletic events. This project-based class requires mandatory out-of-class hours, emphasizing servant leadership, community building, and ethical responsibility in high school athletics. Other topics for exploration will include: sports communication, gameday operations, and public relations within the community. Parent permission and forms must be completed prior to participation in the field experience components of the course and the student must be in good conduct standing.

OTHER ITEMS TO NOTE

SPECIAL EDUCATION (excerpt from NC Family Handbook)

Newark Catholic respects the differences of all of its learners. The diversity of our school enriches our school environment and promotes compassion, understanding, and respect for all. While we recognize that there are limitations to meeting all special needs students, we strive to provide an appropriate educational environment to as many students as possible in our Catholic school. If a student is coming to our building with an Individualized Education Plan, Service Plan, 504, Written Plan, or Accommodation Support Plan, we require the student's Evaluation Team Report (ETR) and most recent plan prior to submitting an application to Newark Catholic. We will meet with the parent(s), review the ETR and most recent plan, and determine if Newark Catholic is the appropriate environment for student's academic success given the student-centered supports we have in place in our Catholic school.

ST. JOHN BOSCO STUDY PROGRAM (excerpt from NC Family Handbook)

Students with IEPs or receiving the Jon Peterson or Autism scholarships are part of the St. John Bosco Study Program, supported in part by the structure and support of Special People in Catholic Education funds. Each student's individual needs will be assessed, and students will have access to additional tutoring and academic resources funded by their scholarship, the scholarship's provider,

and SPICE funds; families who participate in the St. John Bosco Study Program will work with administration to determine levels of service provided at Newark Catholic High School through this unique scholarship funding and in alignment with state requirements; as such, a memorandum of understanding is drawn up annually. Administration works closely with families to review one's ETR and how NC may serve the family with fidelity to the mission of our Catholic school. As well, scholarship application paperwork mandated by the State of Ohio is processed when a student qualifies to apply for Jon Peterson or the Autism scholarship. Students may not hold an Edchoice scholarship and another specialized state scholarship at the same time– rather 1 is permitted.

IEPs are recognized as legal documents; diocesan accommodation and service plans are available as well following the MTSS/RTI identification process. These documents are reviewed annually and shared with faculty.

C-TEC (excerpt from NC Family Handbook)

Juniors and seniors may take courses at C-TEC (Career Technology Education Center of Licking County) while remaining students at Newark Catholic. They are held to the same policies as NC students who are not dual enrolled and are expected to uphold Catholic values in presenting NC. Weekly attendance at Theology class which may be during, before or after school (depending on the year and communicated in August) is required. See your guidance counselor for further info. NC students who wish to attend C-Tex must have previously attended Newark Catholic for at least sophomore year; NC will not sponsor a student who requests a transfer to NC as a junior and attends C-TEC.

STATE SCHOLARSHIPS (excerpt from NC Family Handbook)

Newark Catholic also accepts students on state-funded scholarships, such as EdChoice, Jon Peterson, or Autism Scholarships. Students on the Peterson or Autism scholarship will receive services provided first through those scholarship funds, often in addition to SPICE funds (Special People in Catholic Education). The state requires that only 1 scholarship program be utilized at a time.

SENIOR OFF-CAMPUS CCP POLICY & AGREEMENT

Newark Catholic High School Students entering their senior year of high school (with appropriate credit standing) may make the determination to pursue college coursework (CCP) the following school year online, off campus during the day, or in any combination; however, students must attend theology in person and may choose to pursue other courses from the Newark Catholic course catalogue in combination with CCP on or off campus. Paperwork to do so will be completed with the guidance counselor in the Winter/Spring of their junior year after a comprehensive credit check and completion of CCP application through the state of Ohio. The student is responsible for any and all requirements of the post secondary institution where the coursework is being pursued; these institutions are not required to provide any learning accommodations and communication with our guidance counselor is extremely limited by law.

By signing below, I acknowledge and understand that in order for a Newark Catholic High School student to pursue off-campus college coursework during their senior year of high school, the following criteria must be met and maintained:

- Fulfill requirements for one's elected pathway to graduation: NC AP, NC Honors, or NC Traditional Cumulative 3.5 GPA entering one's senior year and senior standing as defined by earned credits
- Successful completion of CCP coursework in the past with passing marks
- Parameters for CCP are set forth by the state including parameters for continuation with CCP semester to semester
- The student must adhere to all policies, procedures, and expectations outlined in the Newark Catholic Student Handbook.
- The student must be in good standing with the Academic Honor Code and the Code of Conduct with no sanctions or major discipline. If during the course of the senior year this changes, the privilege to participate off campus will be revoked at the sole discretion of administration
- Pass all coursework (in house NC courses and CCP) in semester 1 in order to be able to continue with college coursework be it off campus CCP or online in semester 2
- Complete the application process with the state of Ohio to be awarded CCP credits to cover the cost of coursework and/or assume the responsibility of costs associated with the course beyond those awarded by the state for free

By signing below, I also acknowledge and understand the following:

- Theology, 1 period per day must be attended in person and a passing mark must be earned for Graduation

- Attendance determinations related to **EdChoice scholarship funding** are dependent upon the student's academic progress in all courses and consistent, in-person attendance in Theology class on

NC's campus.

- Eligibility for participation in **extracurricular activities** is dependent upon the student's academic progress and in-person attendance in Theology class at Newark Catholic. A student can be ineligible due to grades or conduct/attendance.

- Failure of any college coursework that is dual credit and fulfills a graduation requirement will result in the student having to take summer school in their home public school district the summer after Graduation Exercises take place and the student will not participate in NC Graduation.

I understand that failure to meet or maintain any of the above criteria may result in the loss of eligibility to participate in off-campus college coursework through CCP and/or online CCP.

Student Name (Printed): _____

Student Signature: _____ Date: _____

Parent/Guardian Name (Printed): _____

Parent/Guardian Signature: _____ Date: _____