



McNicholas HIGH SCHOOL

2024-2025 Course Directory

This course directory is a catalog of courses offered at McNicholas High School. Courses are listed by department and include descriptions and prerequisites. Please use this directory in conjunction with the Course Guide as you are exploring course options for the upcoming academic year.

You can click on a department to go directly to its course offerings.

- [ENGLISH](#) [MATHEMATICS](#) [THEOLOGY](#) [SOCIAL STUDIES](#)
[WORLD LANGUAGES](#) [SCIENCE](#) [BUSINESS/TECHNOLOGY](#) [ART AND DESIGN](#)
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ENGLISH COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
HONORS	English I Honors	English II Honors	AP Literature & Composition	AP Language & Composition
COLLEGE PREP 1	English I	English II	English III	English IV
COLLEGE PREP 2	English I	English II	English III	English IV
ELECTIVES	Reading Skills Journalism Speech & Debate Women in Literature Creative Writing	Journalism or Advanced Journalism Speech & Debate Women in Literature Creative Writing AP Seminar	Journalism or Advanced Journalism Speech & Debate Women in Literature Creative Writing AP Seminar AP Research	Journalism or Advanced Journalism Speech & Debate Women in Literature Creative Writing AP Seminar AP Research

English classes are grouped by ability and weighting occurs at the appropriate level.

ENGLISH I

Course Numbers	English I Honors 0111 Weight: 1.06 English I CP1 0113 English I CP2 0114
Prerequisites	None.
Credit	1

Freshman English is a genre-study course to introduce students to a high school level analysis of different types of writing expressed through the mastery of conventions of writing in claim, evidence, reasoning formatted writing.

Students will work toward mastery of the following reading skills:

- Increased fluency and comprehension
- Identifying different types of writing and the purpose of each
- Defining and identifying literary devices
- Growing in vocabulary acquisition and application

Students will work toward mastery of the following grammar, writing, and thinking skills:

- Identifying claim, evidence, and reasoning and develop a CER pattern
- Finding textual evidence to support a claim
- Integrating quotations to support a claim
- Organizing an essay using body paragraphs, introductions, and conclusions
- Using transitional language to create idea relationships
- Using literary present tense appropriately
- Formatting a works cited page in MLA style using a citation generator
- Documenting sources using basic internal citations in MLA style
- Writing complete sentences using proper capitalization and avoiding fragments and run ons
- Punctuating sentences correctly using commas, end-marks, and apostrophes
- Properly capitalizing and punctuating titles

Anchor texts by theme may include but are not limited to:

- Historical Fiction: *Of Mice and Men* by John Steinbeck
- Memoir/Nonfiction: *Night* by Elie Weisel (all levels), *Farewell to Manzanar* by Jeanne Wakasaki Houston, select articles from CommonLit
- Dystopian Novels: *Fahrenheit 451* by Ray Bradbury (Honors, CPI), *Red Queen* by Victoria Aveyard, *The House of the Scorpion* by Nancy Farmer, *Life as we knew it* by Susan Beth Pfeffer (CPII)
- Drama: *Romeo and Juliet* by William Shakespeare (Honors), *Peter Pan Goes Wrong* produced by the BBC (CP)
- Poetry: Selected poetry formats, Poetry Out Loud competition
- Short Stories: "The Most Dangerous Game" by Richard Connell, "A Sound of Thunder" by Ray Bradbury, "The Gift of the Magi" by O. Henry, "Two Kinds" by Amy Tan, "The Tell-Tale Heart" by Edgar Allan Poe

ENGLISH II

Course Numbers	English II Honors 0211 Weight: 1.06 English II CP1 0212 English II CP2 0214
Prerequisites	English I credit.
Credit	1

Sophomore English integrates a thematic study of American literature, focusing on connections between American history and universal themes. Students continue with more sophisticated writing and further development of grammar and vocabulary. Essential questions include “What does it mean to be an American? What is the American dream? Whose voices are heard in the texts?”

Students will work toward mastery of the following skills:

- Connecting literature to its historical context
- Recognizing literary devices in American literature
- Reading with increased fluency and comprehension
- Annotating texts using three different strategies
- Growing in vocabulary acquisition and application
- Identifying claims of fact, claims of value, and claims of policy
- Evaluating and prioritizing textual evidence to support a claim
- Developing a claim into a thesis statement
- Identifying closed, open, and counter-argument thesis statements
- Developing an essay using CER patterns
- Developing reasoning that draws a conclusion from the evidence and supports the claim
- Varying the structure of sentences and the integration of quotations
- Writing using precise language and details
- Formatting a citation in MLA style using a citation generator
- Document sources using advanced internal citations in MLA style

Anchor texts may include but are not limited to *The Crucible* by Arthur Miller, *The Catcher in the Rye* by J.D. Salinger, *A Lesson Before Dying* by Ernest Gaines, *The Great Gatsby* by F. Scott Fitzgerald, as well as short stories and poems of diverse voices.

ENGLISH III

Course Numbers	English III CP1 0312
	English III CP2 0314
Prerequisites	English II credit.
Credit	1

Junior English is a thematic study of British Literature, both classic and modern, with an emphasis on understanding the relationships between literature and culture. It integrates a review of appropriate grammar and usage topics, a prescribed vocabulary and literary terms, and continued emphasis on mastery of writing and composition skills.

Students will work toward mastery of the following reading skills:

- Reading with increased fluency and comprehension
- Analyzing the effect of writers' literary choices
- Recognizing literary devices in British Literature
- Growing in vocabulary acquisition and application

Students will work toward mastery of the following grammar, writing and thinking skills:

- Writing open, closed and counterargument thesis statements
- Writing claims of fact, claims of value and claims of policy
- Synthesizing evidence to support a claim given multiple sources
- Using CER to develop writing for different purposes
- Developing reasoning with multiple connections between evidence and claim
- Using coordinating conjunctions, conjunctive adverbs and subordinating conjunctions with proper punctuation
- Using and punctuating restrictive and non-restrictive clauses
- Recognizing and using active voice
- Accurately placing modifiers to enhance sentence clarity

Anchor texts by theme may include but are not limited to: *A Monster Calls* by Patrick Ness, *The Strange Case of Dr. Jekyll and Mr. Hyde* by Robert Louis Stevenson, *Things Fall Apart* by Chinua Achebe, *The Curious Incident of the Dog in the Night-time* by Mark Haddon, excerpts from *Frankenstein* by Mary Shelley, *Beowulf* by Anonymous, and *Macbeth* by William Shakespeare, as well as choice novels by British authors

ENGLISH IV

Course Numbers	English IV CP1 0412
	English IV CP2 0413
Prerequisites	English III credit.
Credit	1

Senior English is the study of non-fiction to explore shared human experience and to broaden students' views of the world. It integrates a final review of grammar and usage, a study of themes and topics through literature, prescribed study of vocabulary and literary terms, and emphasis on college-ready writing, composition, and research skills.

Students will work toward mastery of the following reading skills:

- Reading with increased fluency and comprehension
- Recognizing literary devices in nonfiction and world literature
- Understanding the effect of writers' choices on the message of their work
- Growing in vocabulary acquisition and application

Students will work toward mastery of the following grammar, writing and thinking skills:

- Synthesizing evidence from multiple sources to support a claim
- Building an argument independently using claim, evidence and complex reasoning
- Asking a meaningful question and through inquiry discover a multi-faceted answer
- Using writing to express individual voice and advocate for self and others
- Composing sentences using parallel structure and precise language and details

Anchor texts may include but are not limited to: *Just Mercy* by Bryan Stevenson, *Educated* by Tara Westover, *Born a Crime* by Trevor Noah, *Oedipus* and *Antigone* by Sophocles, and non-fiction books of choice.

AP LITERATURE & COMPOSITION

Course Number	0411 Weight: 1.06
Prerequisites	English Teacher recommendation.
Credit	1

The course involves extensive challenging reading and continuous writing which focuses on the critical analysis of literature. Special attention is given to analyzing how a literary work generates its meaning through the strategies of language and literary convention. Literary interpretation is grounded in the evidence of the text: its diction, style, syntax, imagery, figurative language, symbols, organization, tone, and style. Literature is examined through thematic units. Probable texts include *Things Fall Apart* by Chinua Achebe, *Oedipus Rex* and *Antigone* by Sophocles, *Hamlet* by William Shakespeare, as well as numerous poems and short stories from various time periods and authors. This course is designed for students who have taken at least one year of English at the Honors level and who are seeking college credit through a high school course. Students receiving an acceptable grade on the AP Literature exam may be awarded college credit in English.

AP LANGUAGE & COMPOSITION

Course Number	0410 Weight: 1.06
Prerequisites	English Teacher recommendation.
Credit	1

This course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including images as forms of text, from many disciplines and historical

periods. Literature is examined through thematic units. Probable texts include *Just Mercy* by Bryan Stevenson, *First They Killed My Father* by Loung Ung, two choice non-fiction texts (one for summer reading and one during the academic year) as well as numerous short texts from various time periods and authors. This course is designed for students who have taken at least two years of English at the Honors level and who are seeking college credit through a high school course. Students receiving an acceptable grade on the AP Language exam may be awarded college credit in English.

AP SEMINAR

Course Number	0999 Weight: 1.06
Prerequisites	English I Honors.
Credit	1

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

AP RESEARCH

Course Number	0910 Weight: 1.06
Prerequisites	AP Seminar.
Credit	1

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practice, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

READING SKILLS

Course Number	0136
Prerequisites	Recommendation by School Counselor based off test scores.
Credit	.5 or 1

Reading Skills is offered to freshmen who test below grade level in comprehension or vocabulary skills on their eighth-grade placement test. This is a yearlong class that can be combined with the Math Skills class. If a student is only taking Reading Skills, they will receive 1 credit. If they take it in

combination with Math Skills, they will receive .5 for Reading Skills and .5 for Math Skills. The overall emphasis is placed on developing students' self-awareness of their own reading attitudes and behaviors, reading processes, and the use of reading and writing as natural components of communication in everyday life. In this context, students work on improving concentration, comprehension, vocabulary knowledge, study skills, self-esteem, reading for purpose, and writing based on reading.

CREATIVE WRITING

Course Number	0547
Prerequisites	None.
Credit	.5

This class requires completion of approximately one creative writing assignment (poems, short story, personal narrative) per week in addition to daily writing warm-up activities. Using both writing prompts and original topics, students work on writing and technique each day in class. One quarter of the class focuses on narrative prose, allowing the students to develop the craft of storytelling. Using the bases of plot, character, and theme, students will write a variety of fiction and non-fiction pieces, from personal memoirs to sci-fi and fantasy writing. An original work of narrative prose, completed through a process of steps, will be required of each student at the end of the narrative prose quarter. The other quarter focuses on poetry and the development of craft and style through the bases of ambiguity, imagery, and representation. Students will write a variety of types of poems, both narrative and lyric. An ancillary goal of the class is to promote the understanding of the presence of poetry in our daily lives by looking at “non-traditional” poetry like song lyrics, advertisements, stand-up comedy, and others. A portfolio of original works containing poems created for the class will be due at the end of the poetry quarter. Over the course of the semester, students will post their “greatest hits” on a Canva page that can be shared with others.

JOURNALISM

Course Number	Semester	0567
	Yearlong	0569
Prerequisites	Recommendation from English teacher or writing sample for incoming students.	
Credit	Semester	.5
	Yearlong	1

This course teaches journalistic skills such as news writing, feature writing, editorial writing, headline writing, copy editing, and interviewing. Students apply these skills through the publication of the online school newspaper, *The Milestone*. Emphasis is placed on independent work skills. Students must be recommended by their English teacher or if incoming to McNicholas, provide a writing sample for review and approval. The course is offered either for the first semester or the entire year.

ADVANCED JOURNALISM

Course Number	Yearlong 0569 Weight: 1.04
Prerequisites	Recommendation from English Teacher
Credit	Yearlong 1

This year-long course develops college-level journalistic writing and leadership skills and provides practical application of technology and media. Students assume leadership roles in the publication of the online student newspaper and create a portfolio of work published in external publications.

WOMEN IN LITERATURE

Course Number	0570
Prerequisites	Prerequisites include an 80% or higher in English for grades 10-12 and a love of reading. <i>Preference will be given to those in grades 10-12, but first-year students are welcome to register and will be accepted pending space in the class.</i>
Credit	.5

This course will introduce students to the history, traditions, and forms of literature written by women. We will examine the effects of women writers on literature and how their works present a unique voice, consider the ways women have responded to their societal roles throughout history, and explore a range of writers and works to analyze themes and identify styles. Short stories, novels, poems, and film will be studied. Student participation is essential in responding to the works of the course. Possible units include Gender and Identity, Voice and Silence, and Images and Roles.

SPEECH AND DEBATE

Course Number	0568
Prerequisites	None.
Credit	.5

This introductory course combines the art of public speaking and original oratory with argumentation and debate. The course is for students who want to learn ways to express themselves effectively, especially in front of an audience, increase their fluency as a speaker, and develop their self-confidence. It will thoroughly explore speech and debate preparation and will provide practical experience through participation. Students will be instructed on selecting speech topics, researching/documenting sources for evidence, composing original works, and enhancing verbal and physical delivery. In addition, students will participate in peer critiques and self-evaluations while developing skills that will prepare them for college and careers. Major assignments will include at least two original speeches and one small group speech (focus will be on poise body control, organization, and integration of research for evidence, tone, and appealing to direct and indirect audiences), and two debates (focus will be on ethics in argumentation, integration of research for evidence, cross-examination, and debate as a decision-making tool).

MATHEMATICS COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
HONORS*	Algebra I	Algebra II & Geometry	Pre-Calculus	AP Calculus AB/BC Calculus Statistics CCP
COLLEGE PREP 1	Algebra I	Geometry	Algebra II	Pre-Calculus Statistics CPI or CCP Algebra III CCP
COLLEGE PREP 2	Algebra I	Geometry	Algebra II	Algebra III CCP Algebra III Statistics
COLLEGE PREP 3	Algebra I Part 1	Algebra I Part 2	Geometry	Algebra II

*In order to maintain a seat in the honors track requires an 80% or higher each year as well as the recommendation of your teacher.

**Incoming freshmen have the option of testing out of the subject areas in the spring of their 8th grade year. Students demonstrating mastery of the subject will be moved in the subsequent math course.

ALGEBRA I

Course Numbers	Algebra I	1111	Weight: 1.06
	Honors	1113	
	Algebra I CP1	1116	
	Algebra I CP2		

Prerequisites	Satisfactory score on placement test and recommendation of teacher.
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Credit	1
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Algebra I is a one-year course designed for freshmen with sufficient (CP2), average (CP1), or above average (Honors) mathematical ability and achievement. An in-depth understanding and proficiency in the theory of numbers and operations are expected. The topics covered include numerical operations and expressions, one-variable equations, relations and functions, linear equations and inequalities, systems of linear equations, exponents and roots, exponential functions, polynomials, quadratics, and foundational statistics. These courses will prepare students for graduation tests required for Ohio.

ALGEBRA I CP3 Part 1

Course Numbers	1115
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Prerequisites	None.
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Credit	1
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This course has been developed for students who plan to enter college but do not have a sufficient math background or ability to complete a one-year course. Algebra I CP3 is for those students whose

tests indicate below-average mathematical achievement. This course will provide students with all the concepts and skills needed to meet the challenges of algebra. Part one will cover solving equations, solving inequalities, and has an introduction to functions, and linear functions. This course will prepare students for graduation tests required for Ohio.

ALGEBRA I CP3 Part 2

Course Numbers	1218
Prerequisites	Completion of Algebra I Part 1
Credit	1

This is a follow-up to Algebra I CP3 Part 1. This course will review the skills learned in part 1. Part 2 will cover exponents and exponential functions, polynomials and factoring, quadratic equations, radical expressions, rational expressions, and data analysis and probability. Additionally, this course will focus on expanding students' thinking to the real-world applications of algebra. This course will prepare students for graduation tests required for Ohio.

GEOMETRY

Course Numbers	Geometry Honors1211 Weight 1.06 Geometry CP1 1212 Geometry CP2 1214 Geometry CP3 1215
Prerequisites	Completion of Algebra I or its equivalent, placement per teacher recommendation.
Credit	1

The Geometry course places a great deal of emphasis on the concept of proof. Using definitions, postulates, and theorems, the students are required to reason logically to arrive at a given conclusion. The different geometric concepts involved deal with segments, rays, lines, planes, angles, circles, triangles, quadrilaterals, and other polygons. The relationships of equality, congruency, and similarity are also explored in depth. There is also an emphasis on numeric and algebraic exercises. Area and volume formulas for various planes and solid figures are studied. Slopes, distances, and midpoints will be studied. There is also an introduction to trigonometry using right triangles in the CP1 and honors level. These courses will prepare students for the graduation tests required by Ohio.

ALGEBRA II

Course Numbers	Algebra II Honors1221 Weight 1.06 Algebra II CP1 1312 Algebra II CP2 1314 Algebra II CP3 1315
Prerequisites	Completion of Geometry, placement per teacher recommendation.
Credit	1

The course begins with a strong review of Algebra I, covering such topics as sets of numbers, open sentences in one variable, systems of linear equations, polynomial operations and factoring, and rational numbers and expressions. Work with radical expressions is used to develop an introduction to the complex number system. The concepts of relation and function, emphasizing linear and quadratic relations and functions, and the exponential and logarithmic functions over the set of real

numbers, are developed. CP1 and honors level courses will explore conic sections and their properties, as well as Trigonometry, including Law of Sines and Cosines. Topics in probability including permutations and combinations are studied. These courses will prepare students for graduation tests required for Ohio and fulfills the Algebra II graduation requirement.

ALGEBRA III CP2

Course Numbers	1414
Prerequisites	Completion of Algebra II and teacher recommendation.
Credit	1

This course covers many of the same topics as Algebra II but treats them in greater depth and focuses more on practical applications. Topics covered include absolute values, linear graphs of equations and inequalities, applications of linear systems, solving and graphing advanced polynomials using technology and extensive factoring, rational expressions and their applications, roots, radicals, complex numbers, logarithmic and quadratic equations and inequalities.

COLLEGE ALGEBRA CCP

Course Numbers	1415 Weight 1.06
Prerequisites	Completion of Algebra II and teacher recommendation.
Credit	1

This college level, one-year course focuses on concepts and applications of algebra. Students taking this course are expected to show general mastery of Algebra 2 concepts and should be prepared to move at a swift pace. The course follows the concepts and pacing of Cincinnati State's MAT 151 course. Topics include: representing linear, exponential, logarithmic, power, polynomial, and rational functions numerically, graphically, and algebraically. Credit could transfer to other colleges.

PRE-CALCULUS

Course Numbers	Pre-Calculus Honors 1311 Weight 1.06 Pre-Calculus CP1 1412
Prerequisites	Completion of Algebra II and placement per teacher recommendation.
Credit	1

This course is designed for students anticipating taking Calculus in the future. Subject matter includes extensive work with functions, graphing, conic sections, and logarithms. Trigonometric functions and their graphs, identities, and equations are also covered. The course also includes an introduction to matrices, polar coordinates and sequences and series. The final section of the course gives a brief introduction to calculus through the concepts of limits, continuity and derivatives.

CALCULUS

Course Numbers	1421 Weight 1.04
Prerequisites	Completion of Pre-Calculus or recommendation by teacher.
Credit	1

This one-year course in Calculus will begin with a review of fundamental Precalculus concepts. Rules of differentiation and integration will be introduced and practiced. Calculus is designed to introduce students to the concepts of Calculus, including limits, differentiation, optimization and integration. This is a challenging course that includes a detailed study of elementary functions.

AP CALCULUS AB

Course Numbers	1411 Weight 1.06
Prerequisites	Completion of Honors Precalculus with an 80% or higher and teacher recommendation.
Credit	1

This college-level one-year course begins with a very brief review of different types of functions and examines the concepts of continuity and the limit of functions. The idea of a limit will lead to a definition of the derivative of a function. Rules for finding various types of derivatives will be developed and applications of the derivative will be explored. At this point, the concept of the “antiderivative” will be introduced and its relation to the definite integral will be examined, along with different types of functions, e.g. polynomial, logarithmic, exponential, and trigonometric. Applications of the integral will be studied, setting the stage for an introduction to future higher-level math courses. This course is specifically geared towards preparing students to take the AP Calculus exam. As such, the pace is very swift, and the course requires performance with and without the use of a calculator.

AP CALCULUS BC

Course Numbers	1422 Weight 1.06
Prerequisites	Completion of AP Calculus AB.
Credit	1

This college-level one-year course will begin with a brief review of AB topics, such as limits, optimizations, area, and volume. New applications of arc length and surface areas of revolution, as well as integration by parts and integrations by partial fractions, will be studied. Most of this course deals with the Calculus of sequences and series and their divergence or convergence. This course is specifically designed to prepare students to take the AP Calculus BC exam in May.

STATISTICS

Course Numbers	1423
	CCP 1424 Weight 1.06
Prerequisites	Completion of Algebra II and recommendation by teacher.
Credit	1

This course can count as a 4th-year math requirement or as an additional math elective.

A course on descriptive and inferential statistics. Topics include: the purpose of statistics, univariate and bivariate descriptive statistics, probability, normality and sampling distributions, confidence intervals, and hypothesis testing.

MATH SKILLS

Course Numbers	1112
Prerequisites	Recommendation by School Counselor dependent upon test scores.
Credit	1

Math Skills is offered to freshmen who test below grade level in comprehension or vocabulary skills on their eighth-grade placement test. This is a yearlong class that can be combined with the Reading Skills class. If a student is only taking Math Skills, they will receive 1 credit. If they take it in combination with Reading Skills, they will receive .5 for Reading Skills and .5 for Math Skills. The overall emphasis is placed on developing students' self-awareness of their own math attitudes and behaviors and math thinking. In this context, students work on deepening their math skills to be better prepared for their core math classes.

THEOLOGY COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
REQUIRED COURSES	Catholic Christianity Scripture I	Morality Church History	Sacraments Vocations	Social Justice
				<u>Second required option</u> World Religions Biblical Literature I & II Catholic Discipleship

SCRIPTURE I (*Hebrew Scriptures*)- *The Revelation of Jesus Christ in Scripture*

Course Numbers	2111
Prerequisites	None. Required for grade 9.
Credit	.5

This one-semester course gives students a broad knowledge and appreciation of scripture as they encounter Jesus Christ. The purpose of scripture, the people of the scriptures, the development through oral tradition, textual understanding, and the sacred messages in scriptures, especially the Old Testament will be thoroughly examined. A special emphasis will be placed in light of preparing for the Messiah, Jesus Christ.

CATHOLIC CHRISTIANITY

Course Numbers	2115
Prerequisites	None. Required for grade 9.
Credit	.5

This one-semester course gives students the knowledge to articulate the argument for the existence of God as presented by the Catechism of the Catholic Church. Students will understand the basic tenets of the Catholic faith as well the Sacraments, Liturgy and will grow in their belief of the real presence of Christ in the Eucharist. Students will understand the importance of prayer and by introduced to important topics in Catholic Morality.

MORALITY- *Life in Jesus Christ*

Course Numbers	2212
Prerequisites	None. Required for grade 10.
Credit	.5

In this one semester course, there is learning the basic moral principles, discernment and decision-making processes, and clear Church teaching on moral issues, such as human sexuality. Many issues such as abortion, capital punishment, and euthanasia will be examined. The theological and moral virtues will be studied to develop and make clearer, a vision of what a moral Christian life is all about.

CHURCH HISTORY- *Jesus Christ's Mission Continues in The Church*

Course Numbers	2211
Prerequisites	None. Required for grade 10.
Credit	.5

Students will be studying the life of the Church over the centuries with a focus on the historical developments in the areas of: Church leadership, Magisterial teaching, Lay and Religious Spirituality and Church involvement in the world. The expectation is that the students will understand the full meaning of the phrase, "we are a pilgrim church."

SACRAMENTS- *Sacraments as Privileged Encounters with Jesus Christ*

Course Numbers	2311
Prerequisites	None. Required for grade 11.
Credit	.5

This one semester course offers an opportunity to explore the rich traditions of sacramental theology and practice. It seeks to engage students in an encounter with the essential elements of Catholic life so that they can better appreciate the deep meaning of the encounter with Jesus through the Sacraments. The emphasis is on discovering the connection between the celebration of the Sacraments and lived faith in daily life.

VOCATIONS- *Responding to the Call of Jesus Christ*

Course Numbers	2312
Prerequisites	None. Required for grade 11.
Credit	.5

In this one semester course, students will learn that they are called by Christ for a purpose, whether it be to the ordained priesthood, the consecrated religious life, married life, or committed single life. Emphasis will be placed on the most fundamental call for us to love. We find how this call is unique to each one, in discerning how we are all called to be disciples of Christ in our world.

SOCIAL JUSTICE- *Living as a Disciple of Jesus Christ in Society*

Course Numbers	2411
Prerequisites	None. Required for grade 12.
Credit	.5

This one semester course is rooted in the social teaching of the Catholic Church. It examines the important Catholic Social Teachings of the past century and the prophetic challenge they proclaim to our society and to all Catholics. Completion of the required Community Service is expected before this class is taken.

WORLD RELIGIONS- *Interreligious and Ecumenical Issues*

Course Numbers	2412
Prerequisites	None
Credit	.5

This course responds to the document *nostra aetate* (in our time). In this milestone document, the Council called for a mutual understanding between Catholics and other religious traditions. It encourages “dialogue and collaboration” with people of other religions. For students to engage in dialogue and collaboration, it is important that they begin with some knowledge of other religious traditions for their efforts to be fruitful. An open mind and heart as well as respect for the “other” are very important for each student to have as they strive to learn as much as they can about various religious traditions. In this way, we respond to Jesus’ Greatest Commandment: *to love our neighbor as ourselves*. As students explore other religious traditions, through the lens of the Catholic tradition, students will have their own faith enriched through this course.

CATHOLIC DISCIPLESHIP IN THE 21st CENTURY

Course Numbers	2521
Prerequisites	Social Justice and recommendation by Theology teacher. Available to grade 12.
Credit	.5 (Spring Semester)

This course focuses on living Catholic Social Teaching as a citizen of the world. In this semester course, students explore the social issues introduced in the Social Justice course on a deeper level, examining the complexity of historical understanding surrounding these issues. Students examine our call as global citizens to an intentional way of living in light of Catholic teachings. Students study topics such as the Holocaust, genocide, racism, and sexism. The course looks at ways to develop action steps to meet the challenges of today’s world with hope by promoting peace and protecting the dignity of each human being.

BIBLICAL LITERATURE I

Course Numbers	2511 Weight 1.06
Prerequisites	Recommendation by Theology teacher and English teacher required. Available to grade 12
Credit	1 (Fall Semester)

This elective course will be offered to seniors as Dual Credit Course, in cooperation with Mt. St. Joseph University. 3 college credits, from Mt. St. Joseph University will be awarded upon the successful completion of this course. A fee of \$150 will be required for the college credit. This course may replace World Religions but not Social Justice.

The sacred history and literature of ancient Israel as the focus of God's self-revelation. The course will unite historical study, archeology, literary analysis, and biblical theology.

BIBLICAL LITERATURE II

Course Numbers	2512 Weight 1.06
Prerequisites	Recommendation by Theology teacher and English teacher required. Available to grade 12
Credit	1 (Spring Semester)

This elective course will be offered to seniors as Dual Credit Course, in cooperation with Mt. St. Joseph University. 3 college credits, from Mt. St. Joseph University will be awarded upon the successful completion of this course. A fee of \$150 will be required for the college credit. This course may replace World Religions but not Social Justice.

An exposition of the basic theology of the four Gospels coupled with an analysis of the historical and cultural milieu from which the Christian message arose and the manner in which that message was transmitted and interpreted

SOCIAL STUDIES COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
HONORS		AP US History	AP Government and Politics	AP World History: Modern
COLLEGE PREP 1		Modern American History	Government and Economics	Modern World History
COLLEGE PREP 2	American Government & Civics	Modern American History		Modern World History
ELECTIVES <i>Do not count toward 3 required Social Studies credits</i>		Introduction to Legal Procedures Psychology	Introduction to Legal Procedures Psychology Rocket Leadership	Introduction to Legal Procedures Psychology Rocket Leadership
REQUIRED <i>*Beginning with Class of 2026</i>			Financial Literacy	Financial Literacy

AMERICAN GOVERNMENT & CIVICS

Course Numbers	3120
Prerequisites	None.
Credit	1

Students will understand the major privileges, structures, and economic systems that affect the life of a citizen in the United States political system. The students will focus on the development of the Constitution and the Bill of Rights and study the court cases defining our rights and limitations. Students will have a thorough understanding of our nation's political party system, as well as the government relationships within our federal system and the separation of powers/checks and balances within our national government. Students will also examine the structure and function of the US government and its relationship to states and citizens.

MODERN AMERICAN HISTORY

Course Numbers	CP1 3220
	CP2 3222
Prerequisites	English Teacher Recommendation for CP1.
Credit	1

This course is a general survey course that analyzes the political, social, and cultural growth of the United States from the age of industrialization to the present day in the context of the major historical events that have shaped American society.

AP US HISTORY

Course Numbers	3211 Weight 1.06
Prerequisites	English teacher recommendation and completion of English I Honors with an 85% or higher or English I CP1 with a 93% or higher.
Credit	1

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and topics in American history. At the completion of this course, students have the option of taking the College Board Examination. Students receiving a three or better on the exam may be awarded college credit for this course.

GOVERNMENT

Course Numbers	3320
Prerequisites	Modern American History or its equivalent.
Credit	1

This course will focus on the development of the Constitution and the Bill of Rights and study the court cases defining our rights and limitations. Students will have a thorough understanding of our nation's political party system, as well as, the governmental relationships within our federal system and the separation of powers/checks and balances within our national government.

AP US GOVERNMENT & POLITICS

Course Numbers	3311 Weight 1.06
Prerequisites	Social Studies teacher recommendation, a minimum grade of 89% in AP US History or 93% in Modern American History, and a minimum grade of 85% in English II Honors or a minimum of 90% in English II CPI.
Credit	1

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and topics in U.S. Government. At the completion of this course, students have the option of taking College Board Examinations on U.S. Government & Politics. Students receiving a three or better on the exam may receive college credit for this course.

MODERN WORLD HISTORY

Course Numbers	CP1 3420
	CP2 3425
Prerequisites	Recommendation by English Teacher for CP1.
Credit	1

The course provides an in-depth analysis of global history during the modern era beginning in 1750 and beyond with a focus on the major political, social, military, and economic events that have taken place and continue to take place in the world today. Students will gain an understanding of the major cultures and events in Europe, Africa, Asia, and South America during modern times.

AP WORLD HISTORY: MODERN

Course Numbers	3440 Weight 1.06
Prerequisites	Social Studies teacher recommendation, a minimum grade of 85% in AP US Government or 93% in Government, and a minimum grade of 85% in English III Honors or a minimum of 90% in English III CP I.
Credit	1

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and topics in World History. At the completion of this course, students have the option of taking the College Board Examination. Students receiving a three or better on this exam may earn college credit for the course.

INTRODUCTION TO LEGAL PROCEDURES

Course Numbers	3547
Prerequisites	None.
Credit	.5

This challenging one-semester course is about how the law works in today's society. Students will learn about court procedures, constitutional rights, and problem-solving. Students will be expected to participate in a mock trial during class. Students will examine the role of the citizen in both criminal and civil litigation. This course has a limited class size and is recommended for those interested in law in general. This course has elective status only and does not qualify for the Ohio graduation requirements for social studies.

FINANCIAL LITERACY

Course Numbers	8538
Prerequisites	Required for students entering grade 11 for 2024-2025 school year. Offered as an elective for grade 12.
Credit	.5

Beginning with the Class of 2026, students are required to complete a .5 credit for Financial Literacy to comply with Ohio Graduation requirements. The content covered in the financial literacy standards and model curriculum has immediate implications for high school students as they begin to make large financial decisions such as purchasing cars, signing contracts for places to live or taking out loans to continue their education. The goal of financial literacy instruction is to provide students with the knowledge they need to make a lifetime of informed financial decisions. This course does not qualify for the Ohio graduation requirements for the three total credits for social studies but only qualifies for the specific Ohio Graduation requirement for Financial Literacy.

PSYCHOLOGY

Course Numbers	3237
Prerequisites	None.
Credit	.5

This one semester course will provide a basic understanding of the principles of psychology through a variety of approaches to studying psychology. Throughout the semester the course will cover topics in learning and cognition, body and mind, development, personality, social psychology, and career opportunities in psychology. Coursework will include examination of case studies and completion of short simulations or experiments in addition to readings from the text. This course has elective status only and does not qualify for the Ohio graduation requirements for social studies.

ROCKET LEADERSHIP

Course Numbers	3550
Prerequisites	None.
Credit	.5

This semester course is designed to help students recognize and develop skills that will enable them to serve as compassionate leaders at McNicholas, in the community, and in the world. The course will help students gain an understanding of their God-given brilliance by using their gifts to positively impact others. This is a semester course open to juniors and seniors. There will be one section per semester, and it will be limited to 25 students. The course provides a combination of practical skills and relevant concepts. The course guides students to go on a journey of self-discovery, build healthy relationships, and positively contribute to the culture of McNicholas and future places of study and work. Coursework will consist of a blend of interpersonal reflection, small & large group work, outside readings, guest speakers, role-playing, and presentations. The class will provide a hands-on experience that improves belonging, creates understanding, and develops skills that help students become the best version of themselves.

WORLD LANGUAGES COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
HONORS	French I Honors Latin I Honors Spanish I Honors	French I, II Honors Latin I, II Honors Spanish I, II Honors	French III Honors Latin III Honors Spanish III Honors	AP French Language & Culture AP Latin AP Spanish Language & Culture
COLLEGE PREP	French I Latin I Spanish I	French I, II Latin I, II Spanish I, II	French II, III Latin II, III Spanish II, III	French III, IV Latin III, IV Spanish III, IV
ELECTIVES	Greek	Greek	Greek Culinary French	Greek Culinary French

FRENCH I

Course Numbers	French I 4122 French I Honors 4121 Weight 1.06
Prerequisites	Language aptitude as indicated by entrance test or departmental test.
Credit	1

This is an introductory course to the French language with extensive practice in the skills of listening, speaking, reading, and writing. Attention is given to the development of vocabulary and to comprehension of the structure of the language, especially the correct use of verbs in the present tense. French culture and its influence on the world community is introduced.

Honors students will be required to complete supplementary homework assignments throughout the year as well as one additional major writing assignment each quarter. Honors students will be given higher-level assessment opportunities. Honors students are required to participate in *Le Grand Concours*, the National French exam. It is encouraged that Honors students continue in French at least through the third year.

FRENCH II

Course Numbers	French II 4222 French II Honors 4221 Weight 1.06
Prerequisites	Passing grade in French I or probationary status if French I average is 77% or below. Available to grade 9 if a student has completed French I elsewhere and the student demonstrates proficiency on the French placement test. Honors: Completion of French Honors I with an 85% or teacher recommendation
Credit	1

This course expands all skills and includes a review of French I material. There is an emphasis on many new irregular verbs and the past tense is practiced extensively. Concentration is placed on

grammar construction, while also stressing conversation, writing skills, oral recitation, and conjugation. The study of francophone culture continues.

In addition to the material covered in French II, honors students will have higher-level assessment opportunities as well as supplementary homework assignments and an additional writing assignment each quarter. Honors students are required to participate in *Le Grand Concours*, the National French exam. Honors students are encouraged to continue in French at least through the third year.

FRENCH III

Course Numbers	French III 4322 Weight 1.04 French III Honors 4323 Weight 1.06
Prerequisites	French III: Teacher recommendation with an 85% average in French II or by teacher invitation in special circumstances. French III Honors: Completion of French I Honors and French II Honors or French II by teacher recommendation.
Credit	1

This course reviews grammar and reinforces communication skills taught in levels I and II, expands vocabulary, and introduces verb tenses and grammatical structures preparatory to French IV and AP French. Students are encouraged to speak only French.

In addition to the material covered in French III, Honors students will continue having higher-level assessment opportunities and additional writing assignments. French III Honors students are required to participate in *Le Grand Concours*, the National French exam. French III Honors students often continue in French IV or AP French.

FRENCH IV

Course Numbers	4422 Weight 1.04
Prerequisites	Teacher recommendation with an 85% in French III.
Credit	1

This course fully utilizes communication in French at all opportunities including everyday topics and literary works. The study of verb tenses and grammatical structure intensifies. The goal is to achieve a fluid and natural mode of written and oral communication and to speak French exclusively in the classroom. Emphasis on francophone culture continues with an appreciation of the mutual and reciprocal influence between both cultures.

AP FRENCH LANGUAGE & CULTURE

Course Numbers	4421 Weight 1.06
Prerequisites	Teacher recommendation based on aptitude and outstanding grades.
Credit	1

This course is designed to prepare students for French proficiency in speaking, reading, writing, listening, and grammar and therefore enable them to take the AP French Language exam. AP French students should advance both fluency and accuracy in language use. To achieve this goal, the course is taught almost exclusively in French. The course will teach language structures in context and focus on the development of fluency to convey meaning. Culture is an important component of the course.

The use of francophone websites will be incorporated weekly. Taking the advanced placement exam is a requirement of this course.

CULINARY FRENCH

Course Numbers	4424 Lab Fee: \$50
Prerequisites	Teacher recommendation
Credit	.5

Culinary French is a hands-on, one-semester course that teaches students how to cook like a French native and speak conversationally. Our menu focuses on regional specialties, from macarons to boeuf Bourguignon. Madame B makes French language, culture, and cuisine enjoyable and accessible. Chefs will make decadent desserts and sumptuous dishes, all while learning how to speak and understand French. There will be a \$50 lab fee associated with this course. Major emphasis is placed on: French culinary techniques, food preparation, handling, and safety, enjoyment of rich cuisine and appreciation for ingredients, basic vocabulary and grammar and listening, speaking, reading, and writing French.

GREEK

Course Numbers	4521
Prerequisites	None.
Credit	.5

A survey course designed to immerse students in the history, culture, and language of Ancient Greece. Students will leave with a foundational knowledge of Attic grammar and a working vocabulary. They will closely examine the poleis of Athens and Sparta, paying special attention to each city's government, religion, culture, and achievement from the Golden Age to the Peloponnesian Wars.

During this course, emphasis is placed on:

- A focused study of the most fundamental Attic Greek grammar.
- An in-depth working Greek vocabulary with ties to English derivatives.
- The development of an ability to read and translate simple passages of Attic Greek.

LATIN I

Course Numbers	Latin I 4132 Latin I Honors 4131 Weight 1.06
Prerequisites	Language aptitude as indicated by entrance test or departmental test.
Credit	1

Latin I is a foundational course in the Latin language and Roman culture. Its main goal is to familiarize students with basic Latin language concepts so that these concepts can be built upon in later courses. To that end, the course will equip students with an in-depth understanding of Latin grammar, syntax, and vocabulary. Special emphasis will be put on reading skills and vocabulary acquisition. These elements are vital to continued success in later Latin courses. In addition, and in order to show the students that a language does not develop in a vacuum, we will also study Roman culture in depth, covering a range of topics including but not limited to government, social customs, arts, and leisure.

Latin I Honors is meant to set students on a track toward the Advanced Placement Latin Course. The Latin I Honors course will pay special attention to grammatical constructions and equip students with a larger, more comprehensive vocabulary. Students will complete a more rigorous curriculum and will be expected to learn at a faster pace.

LATIN II

Course Numbers	Latin II Honors 4231 Weight 1.06 Latin II 4232
Prerequisites	Latin II: Latin I credit and teacher recommendation. Latin II Honors: Language aptitude as indicated by entrance test or departmental test or teacher recommendation.
Credit	1

Latin II is a continuation of the Latin course of study begun in Latin I. Students will call upon their Latin reading skills and vocabulary in everyday practice. Upon that foundation, we will build further Latin language skills, incorporating more complex grammar points and syntax characteristics. As our skills progress, we will move away from adapted Latin passages and begin to work on Latin written by actual Romans. To complement this reading, the class will also focus on Roman history, architecture, mythology, and other cultural elements.

Latin II Honors is meant to set students on track toward the Advanced Placement Latin Course. The Latin II Honors course will pay special attention to grammatical constructions and equip students with a larger, more comprehensive vocabulary. Students will complete a more rigorous curriculum and will be expected to learn at a faster pace

LATIN III

Course Numbers	Latin III Honors 4331 Weight 1.06 Latin III 4332 Weight 1.04
Prerequisites	Language aptitude as indicated by entrance test or departmental test or teacher recommendation.
Credit	1

Latin III is a reading-based course that uses all knowledge gained during the Latin I and II courses. Students will encounter a comprehensive and methodical review of Latin language characteristics while engaging in close readings of Latin literature from Ovid, Catullus, Seneca, Martial, and other authors. So that our study of Latin literature is complete, we will study Roman literary techniques and traditions, the life and times of the authors, and the contexts in which the works were written and read. Students will leave the class with strong reading skills and a formidable knowledge of the Classical Latin canon.

LATIN IV

Course Numbers	4432 Weight 1.04
Prerequisites	Teacher invitation based on aptitude and outstanding grades.
Credit	1

This course aims at an in-depth study of one of the great works of Western civilization, the Aeneid of Virgil. Discussion of the poem's major themes and study of its poetic techniques will add depth to the

reading. Linguistic accuracy, speed, and comprehension, together with facility in the communication of ideas are emphasized. Other poets to be read and discussed include Ovid, Catullus, Horace, and Martial.

AP LATIN

Course Numbers	4431 Weight 1.06
Prerequisites	Teacher invitation based on aptitude and outstanding grades.
Credit	1

This course will prepare those interested in the Advanced Placement Examination. Students will read selections from Caesar's *De Bello Gallico* and Virgil's *Aeneid* according to the AP syllabus. Emphasis will be placed on sight translation skills, reading comprehension, and a formidable understanding of the culture and history in which the works were written. Throughout the course, grammar and vocabulary will be reviewed, but students will be expected to have a working knowledge of Latin attained in previous courses in addition to a comprehensive vocabulary.

SPANISH I

Course Numbers	Spanish I Honors 4111 Weight 1.06 Spanish I CP1 4112 Spanish I CP2 4114
Prerequisites	Language aptitude as indicated by entrance test or departmental test.
Credit	1

This course concentrates on communicating in Spanish through the study of the four skills of listening, speaking, reading, and writing. Using a natural approach, highly interactive stories, comprehensible input, and TRPS (Teaching Proficiency through Reading and Storytelling) an immersion-like environment is created for authentic communication and maximum fluency and acquisition. Spanish I Honors, to be followed by Spanish II Honors, is designed to prepare students to take Advanced Placement Spanish during their senior year. Supplemental materials are utilized to provide additional proficiency in order to be successful in Advanced Placement Spanish. Students are expected to learn at a fast pace with a more rigorous curriculum. Spanish I CP2 tailors the pace and assessments to aid language acquisition at a level appropriate to the students

SPANISH II

Course Numbers	Spanish II Honors 4211 Weight 1.06 Spanish II CP1 4212 Spanish II CP2 4215
Prerequisites	Honors: Teacher recommendation Spanish II: Passing grade in Spanish I at the high school level or taken during 7th and 8th grades (probationary status required if Spanish I grade is 77% or below) or completion of Spanish I CPII with a grade of 85% or above and teacher recommendation CPII: An average of 77% or better in Spanish I CP II, and teacher recommendation.
Credit	1

This course will greatly improve students' skills in communicating in Spanish. There will be a review of the material covered in Spanish I. More intensive emphasis is placed on cultural studies and the four basic skills of speaking, listening comprehension, reading, and writing are refined through more extensive communication in the target language. As the year progresses, additional grammar, vocabulary, and verb tenses are gradually and steadily incorporated.

Spanish II Honors follows Spanish I Honors and is preparing the students to be successful in Advanced Placement Spanish. A supplemental workbook is utilized in order to provide additional vocabulary and grammar. Students are expected to learn at a faster pace. Spanish II CP2 is designed for those students who require more time to learn a foreign language. This course thoroughly reviews the skills, vocabulary, and language structure learned in Spanish 1 CPII. This course again concentrates on the four skills of listening, speaking, reading, and writing in Spanish through continued study of basic grammar, vocabulary, and composition. The language is taught with an emphasis on communication and Hispanic culture.

SPANISH III

Course Numbers	Spanish III Honors 4311 Weight 1.06 Spanish III 4312 Weight 1.04
Prerequisites	Honors: Teacher recommendation Spanish III: Teacher recommendation with an 85% average.
Credit	1

This course will require students to communicate for extended periods of time in Spanish. This level reinforces and refines all material previously taught in levels I and II while presenting new material, especially in the areas of verb usage, grammar, and reading. Stress is placed on the continual in-depth development of the basic skills of speaking, listening comprehension, reading, and writing. Emphasis is given to a more broadened awareness of the richness and variety of the Hispanic world and its impact and enrichment of the culture of the United States.

Spanish III Honors follows II Honors and is preparing the students to be successful in Advanced Placement Spanish. A supplemental workbook is utilized in order to provide additional vocabulary and grammar. Students are expected to learn at a faster pace.

SPANISH IV

Course Numbers	4412 Weight 1.04
Prerequisites	Teacher recommendation with an 85% average.
Credit	1

This course fully utilizes communication in the target language at all opportunities including everyday topics and literary works. The study of verb tenses and grammatical structure intensifies. The goal is to achieve a fluid and natural mode of written and oral communication. Continued emphasis is placed on familiarization with the Hispanic culture and the mutual and reciprocal influence between both cultures.

AP SPANISH LANGUAGE & CULTURE

Course Numbers	4411 Weight 1.06
Prerequisites	Teacher invitation based on aptitude and outstanding grades.
Credit	1

This course is taught exclusively in Spanish and is the equivalent of a third-year college course in advanced Spanish composition and conversation. It encompasses aural and oral skills, as well as reading comprehension, and consists of extensive training in the organization and writing of formal and informal correspondence.

The student will be expected at the completion of the course to take the College Board Examination for the Spanish Language. Students receiving a three or better on the exam may receive college credit for the course.

SCIENCE COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
HONORS*	Biology	Chemistry	AP Biology AP Chemistry AP Physics I	AP Physics 1 AP Physics 2 AP Biology AP Chemistry
COLLEGE PREP	Biology	Anatomy & Physiology	Chemistry Culinary Chemistry	Physics Anatomy & Physiology Culinary Chemistry
	Environmental Science	Biology	Chemistry Anatomy & Physiology Culinary Chemistry	Chemistry Anatomy & Physiology Culinary Chemistry
ELECTIVES			Intro to Engineering Food Science	Intro to Engineering Food Science

Progression in the science curriculum is dependent upon student performance and teacher recommendation. Some prerequisites apply.

ENVIRONMENTAL SCIENCE

Course Numbers	5116
Prerequisites	None.
Credit	1

A lecture/laboratory course examining connections among earth systems, human society, and nature. The primary focus will be on land, air, and water environments. This course will emphasize the development of science literacy and skills.

BIOLOGY

Course Numbers	5112
Prerequisites	Environmental Science students need teacher recommendation.
Credit	1

A lecture/laboratory course covering the basic concepts of fundamental biochemistry, cellular structure and function, evolution and natural selection, heredity and genetics, ecosystems and the interdependence of organisms.

AP BIOLOGY

Course Numbers	5321 Weight 1.06
Prerequisites	85% in Chemistry, have strong writing skills, current teacher recommendation, and invitation of AP teacher.
Credit	1

An in-depth lecture/laboratory examination of the topics introduced in Biology, including molecular and cell biology, genetics and evolution, population biology and ecosystem dynamics, and the

diversity in structure and function in all three domains of living things. This college-level course prepares students for the Advanced Placement examination in Biology, by which students may qualify for college-level credit.

ANATOMY AND PHYSIOLOGY

Course Numbers	5223
Prerequisites	Biology teacher recommendation.
Credit	1

An in-depth lecture/laboratory examination of the structure and function of all human body systems. This course provides the student with an advanced knowledge of human health and is an elective of special interest to students considering any healthcare field.

CHEMISTRY

Course Numbers	5312 Weight: 1.04
Prerequisites	Students who wish to take Chemistry in their Sophomore year must have 93% in Biology and 85% in Algebra I Honors or have a 90% in Algebra I CP1 and Biology teacher recommendation. Students who wish to take Chemistry in their Junior or Senior year need a Biology credit, an Algebra I credit, and a recommendation from their current science teacher or department chair. Chemistry is not recommended for students who have not successfully completed Algebra I.
Credit	1

An examination of the following topics of chemistry: nomenclature, atomic theory, moles, periodic law, bonding, equation balancing, stoichiometry, gas laws, acid-base theory, solutions, and equilibrium. This course includes standardized test preparation where applicable.

AP CHEMISTRY

Course Numbers	5312 Weight: 1.06
Prerequisites	85% in Biology, 90% in Chemistry, and 90% in Algebra II CPI or higher. Current teacher recommendation and invitation of AP teacher
Credit	1

An in-depth lecture/laboratory examination of the topics introduced in college prep Chemistry, including atomic theory, properties of matter, changes in matter, reaction rates, thermodynamics, and chemical equilibrium systems. This college-level course prepares students for the Advanced Placement examination in Chemistry, by which students may qualify for college-level credit.

CULINARY CHEMISTRY

Course Numbers	5340 Lab Fee: \$100
Prerequisites	Algebra I, Biology, and one other science credit. Available to grades 11 and 12 with science teacher recommendation.
Credit	1

This year-long lab and lecture course blends the concepts of chemistry, such as chemical reactions and how molecules interact, with the culinary arts. Students will plan and prepare recipes and be able to explain what is happening at the atomic level. Students will also learn basic kitchen skills such as reading a recipe, cooking, baking, and maintaining a clean working environment. This course is designed as a basic-level chemistry course for junior and senior students who are placed CP2 Math or lower and need a third science credit for graduation.

FOOD SCIENCE

Course Numbers	5341 Lab Fee: \$50
Prerequisites	Algebra I, Biology, and one other science credit. Available to grades 11 and 12 with science teacher recommendation.
Credit	.5

This fast-paced elective course uses students' knowledge from general chemistry and other science courses to examine the effects of food processing, preparation, and storage. Students will also learn basic kitchen skills such as reading a recipe, cooking, baking, and maintaining a clean working environment. Juniors who take Food Science need to be taking another yearlong science course concurrently. Seniors must have three science credits prior to taking this course.

PHYSICS

Course Numbers	5412 Weight 1.04
Prerequisites	Sophomores who wish to take physics their junior year must have earned a 90% or higher in Chemistry, Geometry CPI, and Algebra I CPI. Physics and Algebra II may be taken concurrently during junior year with recommendation of the current science teacher. Juniors who wish to take Physics during senior year should have an 80% in Chemistry and Algebra II CPI or higher, and a science teacher recommendation.
Credit	1

A lecture/laboratory course covering a review of the metric system, and a study of forces, motion, kinetic and potential energy, vector analysis, work, wave characteristics, and static electricity.

AP PHYSICS 1: Algebra based

Course Numbers	5413 Weight 1.06
Prerequisites	Algebra II CPI or higher or can be taking Algebra II CPI or higher concurrently. Recommendation from current math teacher and invitation of AP teacher.
Credit	1

This is an accelerated course, equivalent to a first-semester college course in algebra-based physics, using the math concepts of algebra and trigonometry in an intensive study of Newtonian mechanics

and Dynamics (including rotational dynamics and angular momentum); work, energy, and power; oscillation and simple harmonic motion. This course is appropriate for students interested in physical science, mathematics and/or engineering as well as students considering premed. It prepares the students for the Advanced Placement Physics 1: Algebra-Based exam, by which college credit may be earned.

AP PHYSICS 2: Algebra based

Course Numbers	5414 Weight 1.06
Prerequisites	Students who wish to take AP Physics II need to have successfully completed AP Physics I and have the recommendation of the Physics teacher
Credit	1

AP Physics II is an independent study algebra-trigonometry based, introductory college-level physics course equivalent to a semester of college physics. The course explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. It prepares the students for the Advanced Placement Physics II: Algebra-Based exam, by which college credit may be earned.

INTRODUCTION TO ENGINEERING

Course Numbers	5421
Prerequisites	Teacher recommendation from Science teacher and invitation from Engineering Instructor. Students must complete an application prior to being admitted into the class. Click HERE to fill out the application.
Credit	.5

Introduction to Engineering is a one-semester, project-based course in which students will have the opportunity to practice authentic engineering skills. Students will work in teams to develop, build and test designs to solve various problems. Students will learn to prepare appropriate documentation for their designs and communicate the outcome of their projects.

BUSINESS/ TECHNOLOGY COURSES

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Business Courses		Accounting Principles of Business	Accounting Principles of Business	Accounting Principles of Business
Technology Courses	Technology & Communication Fundamentals of IT*	Computer Networking* Database Management Film Making Fundamentals of Web Development* Systems Administration Video Editing Technology Help Desk Robotics	AP Computer Science Computer Networking Computer Programming I* Database Management* Film Making Fundamentals of Web Development Systems Administration Video Editing Technology Help Desk Robotics	AP Computer Science Computer Networking Database Management* Film Making Fundamentals of Web Development Systems Administration* Video Editing Technology Help Desk Robotics
UC Early IT Program Sequence (College Credit Plus)	Fundamentals of IT	Computer Networking Fundamentals of Web I Development	Database Management Computer Programming	Database Management Systems Administration

*These courses are a part of the UC Early IT Program Sequence

COMPUTER NETWORKING

Course Numbers	Non CCP	8201	Weight 1.04	*UC Early IT Program
	CCP	8210	Weight 1.06	
Prerequisites				
Credit	Non CCP .5 & CCP 1			

This one-semester course is intended for sophomores and above. It covers the basics of networking. Core networking topologies and implementation examples are discussed in addition to OSI and TCP/IP models. The design of IPv4 networks and the calculation of IPv4 subnetting will be covered. We will also discuss commonly used network devices, such as NICs, hubs, switches, and routers. This is a required course for the Early College IT Program.

COMPUTER PROGRAMMING I

Course Numbers	Non CCP	8338	Weight 1.04	*UC Early IT Program
	CCP	8339	Weight 1.06	
Prerequisites	Credit in Algebra II or currently enrolled in Algebra II.			
Credit	Non CCP .5 & CCP 1			

This one-semester course is intended for sophomores and above. There are many programming languages for different platforms in software application development. However, all of these

languages share common features in their nature. This course is to introduce the core knowledge and skills of programming through the language of Java. By the end of this course, students will be comfortable with approaching any programming language. Hands-on, active learning is required. This is a required course for the Early College IT Program.

AP COMPUTER SCIENCE A

Course Numbers	8357 Weight 1.06
Prerequisites	UC IT Course Program
Credit	1

This course is designed to the student who wants to major in a computer related discipline in college or is very interested in programming and wants to earn credit for college. Based on the AP curriculum, the programming language (Java), and the topics in this class will be geared toward successful completion of the Advanced Placement Test.

FUNDAMENTALS OF IT

Course Numbers	8118 First semester only
Prerequisites	None
Credit	.5

The purpose of this first semester course is to assist students in making the transition from grade school to high school with a foundation in computer technology skills. Using tablet technology, the course explores topics relevant to a student's success in the classroom and beyond. Students will be introduced to and asked to apply basic skills in the core areas of Microsoft Office, IT topics, basic research, problem-solving, and decision-making skills required to be successful in high school. There is no prerequisite for this course. This is a required course for the Early College IT Program.

FUNDAMENTALS OF WEB DEVELOPMENT

Course Numbers	Non CCP 8202 Weight 1.04
	CCP 8211 Weight 1.06
Prerequisites	None
Credit	Non CCP .5 & CCP 1

This one-semester course is intended for sophomores and above who can thrive in a self-directed lab-based class. Knowledge of digital media creation and publishing practices and resources is a new powerful competency in the information society. This course will introduce you to knowledge and practice of digital media creation and publishing using a main web authoring and editing tool. Hands-on active learning is required. This is a required course for the Early College IT Program.

SYSTEM ADMINISTRATION

Course Numbers	Non CCP	8301	
	CCP	8303	Weight 1.06
Prerequisites	None		
Credit	Non CCP.5 & CCP 1		

This course is intended for junior and senior level students who can thrive in a self-directed lab-based class. This course covers the basics of system administration. Students learn how to properly install, secure, and manage computer systems on both the Linux and Windows platform. A focus will be on integrating server operating systems to deliver services such as file, print, and web to clients on over local and wide area networks. This is a required course for the Early College IT Program.

DATABASE MANAGEMENT 1

Course Numbers	Non CCP	8302	Weight 1.04
	CCP	8304	Weight 1.06
Prerequisites	None		
Credit	Non CCP .5 & CCP 1		

This course is intended for junior and senior level students or sophomores with a programming background, who can thrive in a self-directed lab-based class. This is an introductory course to the technology of database design and implementation. Topics include, but are not limited to relational database design and implementation, query formulation with Structured Query Language, application development, etc. Enterprise database management system, Microsoft SQL Server, will be used. This is a required course for the Early College IT Program.

FILM MAKING

Course Numbers	8349
Prerequisites	Video Editing
Credit	.5

This one semester course is designed for the creative student who is interested producing individual and group videos. In this course, students will write, film and edit their original video pieces. Students will learn some advanced techniques in lighting, video angles, and audio usage. Students will be required to videotape all of the footage used in their projects. Students will be graded by the overall quality of their projects, their implementation of required elements in their projects, and the required written reports about their projects.

VIDEO EDITING

Course Numbers	8348
Prerequisites	Video Editing
Credit	.5

Video Editing is designed to introduce students to the art and technical aspects of creating compelling visual content. Throughout the course, students will learn the essential skills required to edit videos using industry-standard software. The curriculum covers the basics of video production, including camera operation, shot composition, and storytelling techniques. Students will become

proficient in using video editing software to cut, trim, and arrange footage, add transitions, incorporate visual effects, and synchronize audio elements.

TECHNOLOGY & COMMUNICATION

Course Numbers	8117
Prerequisites	None
Credit	.5

This second semester course will explore further uses of tablet technology, particularly as it relates to life outside the classroom. Topics covered include multimedia projects and presentations (screen casting, video editing, advanced PowerPoint), careers (job hunting, interviewing, workplace communication & etiquette), formatting business documents (job and academic resumes, cover letters, template usage), Excel applications for personal finance (complex formulas, using spreadsheets to track expenses, debit/credit cards, bank accounts), technology and society (current events, ethical usage) and public speaking.

ROBOTICS

Course Numbers	5621
Prerequisites	None.
Credit	.5

This year-long course is appropriate for 9th-12th grade students who are interested in the design, engineering, and programming of robots or a related technical career. This year-long course delves into robotic components, how to use them and block coding. This is both a programming and engineering challenge. Students will be challenged to build and program a robot that performs a specific task. You will have to research, plan and design a robot with your team. The robot must also be programmed to perform each task based on the design that is agreed upon.

TECHNOLOGY HELP DESK

Course Numbers	Semester	8248
	Yearlong	8249
Prerequisites	None.	
Credit	Semester	.25
	Yearlong	.50

The Technology Help Desk course is designed to help students develop troubleshooting, problem-solving, and customer service skills while assisting the Technology Department in daily tasks. While interest in technology is preferred, it is not required. Students will be given the opportunity to discover if this is a field that interests them

ACCOUNTING

Course Numbers	8528
Prerequisites	None.
Credit	Semester .25 Yearlong .50

The course may include a combination of theoretical concepts, practical applications, and hands-on exercises to help students understand and apply accounting principles. Additionally, real-world examples and case studies may be incorporated to illustrate how accounting is used in various industries and business scenarios. Practical skills such as using accounting software and spreadsheet applications may also be a part of the curriculum.

PRINCIPLES OF BUSINESS

Course Numbers	8539
Prerequisites	None.
Credit	

Principles of Business is designed to provide students with a comprehensive introduction to fundamental concepts in the world of commerce. This course covers a range of topics essential for understanding the dynamics of business environments. Students will explore the basic principles of economics, gaining insights into supply and demand, market structures, and economic systems. The curriculum also delves into various aspects of entrepreneurship, teaching students about the intricacies of starting and managing a business, as well as the importance of innovation and creativity in the business world. Additionally, the course addresses key elements of organizational behavior, emphasizing effective communication, leadership skills, and teamwork.

ART AND DESIGN COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Foundation of Art	Architecture I	Animation	Animation
	Art Appreciation	Architecture I	Architecture I
	Art History CCP	Architecture II	Architecture II
	Ceramics I	Art Appreciation	AP 2D (Architecture)
	Ceramics II	Art History CCP	Art Appreciation
	Drawing and Painting	Ceramics I	Art History CCP
	New Media	Ceramics II	Ceramics I
	Photography I	Drawing and Painting	Ceramics II
	Sculpture	Game Design	AP 3D (Ceramics)
	Yearbook I	Independent Studio	Drawing and Painting
	Design Module	New Media	AP Drawing
	Fine Art Module	Photography I	Game Design
	Visual Communication Module	Photography II	Independent Studio
		Portfolio Development	New Media
		Sculpture	Photography I
	Yearbook I	Photography II	
	Yearbook II	AP 2D (Photography)	
	Design Module	Portfolio Development	
	Fine Art Module	Sculpture	
	Visual Communication Module	Yearbook I	
		Yearbook II	
		Design Module	
		Fine Art Module	
		Visual Communication Module	

ART APPRECIATION

Course Numbers	Semester	6597
Prerequisites	None.	
Credit	Semester	.5

This course is an introduction to the visual arts with emphasis on developing an understanding and appreciation of the process of art, as well as the finished product of art. Students will learn the basic language of visual art and composition through the elements and principles of design. Students will develop skills in critical thinking and observation. We will survey movements in art as well as key artists of various movements and the impact of these on society and the art world. There will be a balance of visual observation, study, and hands-on experience in this course.

FOUNDATION OF ART

Course Numbers	Yearlong	6117
Prerequisites	8th-grade portfolio review and permission from the instructor.	
Credit	1	

In this yearlong course, students will develop their visual, creative, and critical thinking skills through the investigation of the fundamentals of art: the elements and principles of art and design, color theory, observational drawing, line and shading techniques, perspective, art history, and critique. Students will explore a variety of mediums, subject matter, and techniques as they learn to think and create two-dimensionally and three-dimensionally. Drawing exercises and criticism are integrated throughout the year.

ART HISTORY

Course Numbers	Non CCP	6595	Weight 1.04
	CCP	6596	Weight 1.06
Prerequisites	CCP students must register with Cincinnati State.		
Credit	Non CCP .5 & CCP 1		

Introduces the art of the Renaissance to the Early Modern Period throughout Europe, as well as, important artistic developments in Northern Europe, France, and England. We examine the impact of the changing status of artists, artistic theory, patrons, world exploration, and trade. Students learn formal visual analysis to help guide them in examining works of art and architecture within appropriate contextual and cultural frameworks. Successful CCP students are eligible for 3 college credits, which are guaranteed transferable.

DRAWING AND PAINTING

Course Numbers	Yearlong	6225
Prerequisites	None.	
Credit	1	

Drawing and Painting emphasize drawing as foundational to all artworks. Visual thinking skills are developed as students explore drawing and painting techniques emphasizing value, light, perspective, and form. Techniques in pen, pencil, marker, charcoal, and pastels will be used to create drawings. Techniques in acrylic paint, watercolor, and mixed media will be explored. Students will work from life as well as other references including the process of abstraction. A variety of artists, movements, and styles will be studied to inform the creation of our artworks.

AP 2-D ART AND DESIGN: DRAWING

Course Numbers	Yearlong	6411	Weight 1.06
Prerequisites	93% average in previous art courses, teacher recommendation, portfolio review, and conference with student, parent, and teacher.		
Credit	1		

AP Drawing and Painting is for students who want to pursue a higher level of drawing and/or painting. Students will be required to work outside and beyond scheduled class time. The drawing portfolio may include a broad interpretation of drawing issued including abstract and observational

works. A portfolio of 12 concentration works and 12 breadth works from which 5 quality works are selected to make a final portfolio of 24-30 artworks. Portfolios will be sent for examination and review to the College Board's AP program in May. Students are responsible for the AP testing fee.

CERAMICS I (*HAND BUILDING*)

Course Numbers	Semester	6547
Prerequisites	None	
Credit	.5	

This studio course is an introduction to arts using the clay medium. Sculptural approaches to clay (slab, pinch, coil) as well as surface treatment will be investigated. Glazing, under-glazing, and kiln technology will be introduced. Ceramics I is a prerequisite for Ceramics II.

CERAMICS II (*POTTERS WHEEL*)

Course Numbers	Semester	6570
Prerequisites	Ceramics I and/or recommendation of teacher.	
Credit	.5	

Ceramics II is a studio course that continues the exploration and investigation of ideas using basic ceramic processes and methods used to create a ceramic art form. The objectives will be to develop one's skill in wheel throwing and to increase the student's awareness of the aesthetic nature of good ceramics. Glazing, under-glazing, and kiln technology will continue. This course is a continuation of Ceramics I.

AP 3-D ART & DESIGN: CERAMICS

Course Numbers	Yearlong	6512	Weight 1.06
Prerequisites	93% average in Ceramics II and teacher recommendation.		
Credit	1		

Advanced Placement Art makes it possible for the highly motivated student to do college level work. Students will need to spend extra time in the studio beyond scheduled periods. The 3-D Portfolio may include sculptural works from ceramics, architectural models, and other forms. A portfolio of 24-30 highly crafted works will need to be completed by the end of the year. The teacher will determine if the portfolio meets the requirements. Portfolios will be sent for examination and review by the College Board in May. Students are responsible for the AP testing fee.

ARCHITECTURAL DESIGN & DRAFTING I

Course Numbers	Yearlong	6577
Prerequisites	None.	
Credit	1	

This course teaches the basic design theories and strategies related to the development of spatial concepts in architectural design, including composition, color, form, the relationship of elements, and the development of 2-D and 3-D design projects. Includes use of tools, lettering, dimensioning, hand drafting techniques, frame construction vocabulary, and technology. Introduces concepts, techniques, and procedures necessary to facilitate a basic functional understanding of REVIT.

ARCHITECTURAL DESIGN & DRAFTING II

Course Numbers	Yearlong	6587
Prerequisites	90% average in Architectural Design and Drafting I and teacher recommendation.	
Credit	1	

Continuation of Architectural Design I. Problems involve larger scale, broader scope, and increased complexity. Advanced and digital presentation techniques will be used for presentations.

AP 2-D ART AND DESIGN: ARCHITECTURE

Course Numbers	Yearlong	6412	Weight 1.06
Prerequisites	93% average in previous art courses, teacher recommendation, portfolio review, and conference with student, parent, and teacher.		
Credit	1		

AP Architecture is for the student who is looking for a career in Architecture or Design fields. Students will need to be highly motivated and work beyond the scheduled studio time. The portfolio will need 24-30 design pieces. Requirements: 12 concentration Pieces, 12 Breadth Pieces, 5 quality pieces. The teacher will determine if the portfolio meets the requirements for submission. Students are responsible for the AP testing fee.

ANIMATION

Course Numbers	Semester	8219
Prerequisites	None	
Credit	.5	

In this semester long Animation course, students will learn about the history and techniques of illustration, cartooning and animation. The course includes freehand drawing and rendering, layout, and the use of basic drawing tools and various materials for the reproduction of images. Students study thematic elements, character development, visual effects, and cartoons in historical and contemporary times. Students will gain competence in IOS Procreate, Adobe Illustrator and Photoshop.

GAME DESIGN

Course Numbers	Semester	8220
Prerequisites	None	
Credit	.5	

The Introduction to Game Design course provides students with the opportunity to design and develop fully functional board and video games with a focus on product design. This course emphasizes storyboarding, game control and logic, design tools, and the physics of games using computer programming.

PHOTOGRAPHY I

Course Numbers	Yearlong	6557
Prerequisites	Students must have a smartphone with a working camera.	
Credit	1	

Photography I is a year-long introduction to the digital camera as an art-making tool designed for students at the foundational level. The course will use digital photography in the application of the basic elements of art and the principles of design and composition. This course will also provide students with opportunities to extend their knowledge and skills in the field of photography and the use of Adobe Photoshop and Lightroom.

PHOTOGRAPHY II

Course Numbers	Yearlong	6567
Prerequisites	Photography I	
Credit	1	

This is an advanced photography course for students who have completed Photography I. Students will build upon their skills in Adobe Photoshop and Lightroom while practicing their photography camera skills and techniques learned in the beginning course. The course focus will include both image capture techniques and post-processing techniques in the digital lab and in the darkroom. The projects will be both fine art and commercial art based. Students can earn certifications in the field of digital photography.

AP 2-D ART AND DESIGN: PHOTOGRAPHY/DIGITAL MEDIA

Course Numbers	Yearlong	6511	Weight 1.06
Prerequisites	Teacher recommendation, portfolio of digital works, and a minimum combined average of 83% in Photography I and II. Students must have full-time access to a DSLR camera and/or a fully manual, 35 mm SLR camera.		
Credit	1		

AP Photography (2D Design) is an advanced course for highly motivated photography and digital students interested in furthering their study of photography and/or digital art. Students will work at an advanced and/or college level. Students will need to put in research and creation hours outside of class time as well as participate in peer, instructor, and self-critiques on a regular basis. While in class, students must be prepared to fully immerse themselves in the process of inquiry, investigation, experimentation, and reflection as they tackle the rigorous processes of AP portfolio creation and submissions. A portfolio of 15 to 20 high-quality works will be submitted to the College Board in early May for examination and review. Students are responsible for the AP test fee.

NEW MEDIA ART

Course Numbers	Yearlong	6513
Prerequisites	None.	
Credit	1	

New Media Art is designed for students who wish to explore electronic art, animation, game design, installation, projection, and experimental video - blending those with various media that have a time

or technological component. These resources intersect with the exploration of cultural and social justice concepts, as well as other current topics. Course work will focus on Using digital tools (such as Adobe Creative Suite) to create digital content, Animation, Interactive art, multimedia integration, Virtual Reality (VR) and Augmented Reality (AR), mobile and video games, immersive environments, Web-based art, and more.

SCULPTURE

Course Numbers	Semester	6598
Prerequisites	None	
Credit	.5	

This course introduces the fundamentals of three-dimensional design and will ask students to construct and question visual relationships. A range of materials (paper, cardboard, clay, plaster, wire, and found object) and processes (constructing, modeling, carving, casting, and fabricating) will be utilized to introduce a variety of approaches to 3D problem-solving. Students will learn about various sculptors, the meanings behind the art, and how to create sculptures of their own. Most projects will be completed independently, though occasionally small groups will create larger pieces.

YEARBOOK I

Course Numbers	Yearlong	0577	Weight 1.04
Prerequisites	Application and teacher recommendation.		
Credit	1		

This course teaches the skills necessary to publish Countdown, the school yearbook. Students will learn aspects of developing a publication including theme and development, organization and content, layout and design, and writing and editing, and photojournalism. Emphasis is placed on independent work skills.

YEARBOOK II

Course Numbers	Yearlong	0597	Weight 1.04
Prerequisites	Yearbook I and teacher recommendation.		
Credit	1		

This course focuses on professional publication development and leadership skills. Students will apply for one of several leadership roles required for the publication of the yearbook. Students will critique page design and content, and make decisions concerning theme, ladder, budget, design, and many more.

PORTFOLIO DEVELOPMENT

Course Numbers	Yearlong	6420	Weight 1.06
Prerequisites	Architectural Design, Drawing and Painting, Ceramics, Photography		
Credit	1		

This course is for the advanced student who is interested in developing and creating his or her portfolio. Works will be created with an emphasis on the independent exploration of various mediums and techniques. Each work is created with the purpose of becoming a quality piece worthy of a portfolio. Four to six quality artworks are required each quarter. When completed, sixteen to twenty works will be included in the student's final portfolio

ART + DESIGN MODULES

The McNicholas Art and Design Education department is proud to offer students a variety of learning experiences. The Art and Design modules help students have more experience in art + design to see if this is a possible career choice for their future. Each module is a yearlong course with three concentrations for the year allowing students to explore numerous concepts, techniques, and mediums. Students can take one or all three art and design modules.

DESIGN MODULE

Course Numbers	Yearlong	6600
Prerequisites	None	
Credit	1	

ARCHITECTURAL SPACES

In this module, students will learn architectural/interior spaces are about more than four walls and a floor. It's about creating environments that support and respond to the way people live at home, at work, and as part of a community. Students will work collaboratively, developing a personal aesthetic sense, as well as an understanding of client needs. They will also learn how to integrate research and current trends with environmental function, design, and sustainability.

INDUSTRIAL DESIGN

This module serves as an introduction to the world of industrial design and its wide-ranging applications. The students will learn design concepts and methodology through discussions and innovative small projects, devices, objects, and services that enrich lives and can be mass-produced. The main goals of this module are to develop a better understanding of the perspective of an industrial designer and to gain experience in the practice of industrial design.

APPLIED DESIGN | APPAREL DESIGN

This module combines the art of design, function, and aesthetics with the making of textile fashions keeping in mind consumer tastes, culture, construction, and sustainability. They influence culture through textiles/fashion.

FINE ARTS MODULE

Course Numbers	Yearlong	6610
Prerequisites	None	
Credit	1	

PRINTMAKING

Printmaking combines drawing skills, texture invention, and color theory to create dynamic works of art that can be replicated and modified endlessly. This module expands on relief and linoleum printing.

FIBER ART

Fiber artists use a variety of fibrous materials - thread, fabric, yarn, - to create two-dimensional and three-dimensional artworks that play with form, texture, color, and line. Fiber arts celebrates the significance of the material and the manual labor involved in the process.

BOOKMAKING

Bookmaking examines and celebrates the book as a work of art itself. Bookmaking draws on centuries of bookbinding history found around the world, with a blend of modern and contemporary book arts. This module will investigate both form and function, content, and aesthetics. Students will learn various styles and methods of bookbinding, study book art history, and explore contemporary book artists.

VISUAL COMMUNICATION MODULE

Course Numbers	Yearlong	6620
Prerequisites	None	
Credit	1	

TYPOGRAPHY

The Typography module will introduce the principles, methods, and uses of typography for visual communication in graphic design. Students will build a practical knowledge of letterforms and typefaces through study, lectures, discussions, and critiques of creative research with traditional and digital media.

ILLUSTRATION

In the Illustration module, students will learn how to visualize and create like a professional illustrator by combining imagination with real-life visual reference. Students will experiment with a variety of drawing techniques while working from live models and still life arrangements, as well as the development of drawings for commercial applications.

GRAPHIC DESIGN

The Graphic Design module will combine the processes gained in Typography and Illustration while adding an in-depth investigation of the principles and possibilities of graphic design. Students will incorporate drawing, and the computer while learning the fundamentals of graphic form, sequencing, image making, communicating visually, and integration of type. Presentations and guest speakers will introduce students to both the history of graphic design and contemporary designers.

INDEPENDENT STUDIOS

INDEPENDENT STUDIO: CERAMICS

Course Numbers	Yearlong	6581
Prerequisites	Ceramics I and II and teacher recommendation	
Credit	1	

Independent Ceramics is an art course for advanced students. The focus is on each individual student and working with them to create their artistic voice. Students are guided by their teacher to create an independent series of works, experience different clay bodies, and further explore different firing techniques: low fire, high fire, reduction, oxidation, raku, etc. They will learn more about ceramic techniques and surface treatments. Students will work with broader concepts: Realism/abstract, content/narrative, and how to professionally present their works of art.

INDEPENDENT STUDIO: DRAWING & PAINTING

Course Numbers	Yearlong	6580
Prerequisites	Drawing and Painting or Portfolio Development.	
Credit	1	

This course is for the advanced student who is interested in enhancing and creating his/her own style. Students will study and explore the elements and principles of design, drawing, perspective, art appreciation, criticism, and color. A variety of mediums, subject matter, and techniques will be experienced in relation to an art timeline and the movements in modern art. Observational exercises, art appreciation, and criticism are integrated throughout the year.

PERFORMING ARTS COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Percussion Techniques	Percussion Techniques	Percussion Techniques	Percussion Techniques
Instrumental Music	Instrumental Music	Instrumental Music	Instrumental Music
Music Appreciation	Music Appreciation	Music Appreciation	Music Appreciation
Guitar Techniques	Music Theory	Music Theory	Music Theory
Vocal Music	Guitar Techniques	Guitar Techniques	Guitar Techniques
Theatre Appreciation and Performance	Vocal Music	Vocal Music	Vocal Music
	Theatre Appreciation and Performance	Theatre Appreciation and Performance	Theatre Appreciation and Performance
	Theatre Practicum	Theatre Practicum	Theatre Practicum
		Acting Styles	Acting Styles
		Technical Theater	Technical Theater
		Acting and Directing	Acting and Directing
		The Production Classroom	The Production Classroom

INSTRUMENTAL MUSIC

Course Numbers	7100
Prerequisites	
Credit	1

The McNicholas ROCKet instrumental ensemble is a yearlong course that will consist of student musicians collaborating to develop multi-genre ensembles (jazz, rock, small group, percussion/steel drum). The ensemble may consist of a variety of instrumentation including, but not limited to, vocalists, winds, percussion/drum set, guitar/bass and keyboard/piano. However, all student musicians at any level of proficiency are welcomed and encouraged. In addition, students will have the opportunity to learn new instruments within the various ensembles, as well as being a part of the overall creative process with arranging/composing opportunities. The class will develop each student's ability to prepare for performances, read music, improvise, collaborate with others and ultimately perform musically at a high level. The ROCKet ensembles perform at school, public and collegiate events as well as local and state competitions and festivals. Music scholarships for all grade levels are available.

BAND: PERCUSSION TECHNIQUES

Course Numbers	7519
Prerequisites	
Credit	1

This class allows the student to study the history, style and technical percussion while developing skills at a quicker pace. Although separate in nature, the percussion class interacts directly with the band class and performs with various band ensembles. The first quarter is dedicated to marching band and requires a significant amount of time out of class to prepare for competitions. The

remaining three quarters are dedicated to concert band and have occasional rehearsals after school, immediately before a concert. During the winter, there is also pep band. Knowing how to play an instrument is helpful but not required.

MUSIC APPRECIATION

Course Numbers	Level I	7557
	Level II	7567
Prerequisites	None.	
Credit	.5	

This one-semester course focuses on music in culture and history. Students will develop an appreciation of the human motivation to create music and its role in identifying cultures and chronicling history. Students will study the foundations of Western music from classical to jazz. Students will receive a general history of each style/genre, use listening skills to identify key components, and articulate the message and purpose of the music. Music Appreciation II, which can combine with Music Appreciation I to fulfill the fine arts requirement, examines music as artistic expression in dance, opera, musical theatre, film, technology and popular culture

MUSIC THEORY

Course Numbers	7655
Prerequisites	None
Credit	1

This course introduces the fundamental aspects of music theory. Students with a limited background in music theory will have the opportunity to study the basic elements of music including notation, rhythm, scales, key signatures, intervals, and chords, as well as beginning-level melodic and rhythmic dictation/ear-training and basic sight-singing skills.

GUITAR TECHNIQUES

Course Numbers	7250
Prerequisites	None
Credit	.5

This one-semester course is directed toward the beginning and intermediate students who want to learn how to play the guitar. Basic music theory, styles of music, and a performing guitar ensemble would also be included for the student to help develop music and performing skills. The students will need to supply their own acoustic guitars.

VOCAL MUSIC

Course Numbers	Semester	7110
	Yearlong	7111
Prerequisites	None	
Credit	.5	

The high school concert choir class is designed for students to apply musical skills as they continue to create and experience music as a vocal ensemble. Students will continue to develop an understanding and appreciation of the differences in music from other cultures and the connections music brings to people, places, and time. The topics in this class will provide a strong basis for the continuation of their music skills as they continue on their path to becoming a lifelong participant in music.

THEATRE APPRECIATION & PERFORMANCE

Course Numbers	Yearlong	7577
Prerequisites	None	
Credit	1	

Theatre Appreciation & Performance concentrates on the fundamentals of both the performance and technical areas of theatre. Students will explore the historical roots of theatre, learn basic acting skills, participate in stage productions/stage management, and practice basic directing techniques. Emphasis is on developing individual interpretive and organizational skills, as well as, performance appreciation.

THEATRE PRACTICUM

Course Numbers	Yearlong	7600
Prerequisites	Theatre Appreciation & Performance	
Credit	1	

Theatre Practicum concentrates on building the skills learned in Theatre Appreciation & Performance. Students will study the development of new theatrical works, acting and directing. They will apply these skills to in-class and public performances. In addition, students will be responsible for reviewing professional and school productions. Emphasis is on creation of new work, individual performance, and ensemble work.

TECHNICAL THEATRE I

Course Numbers	Semester	7610
Prerequisites	None.	
Credit	.5	

Technical Theatre covers the basics of lighting, sound, costuming, make-up, and stagecraft. Students will complete projects in each technical discipline leading to a culminating project that puts all skills into practice. This is a hands-on class that will allow students to explore how a play goes from the page to the stage.

TECHNICAL THEATRE II

Course Numbers	Semester	7611
Prerequisites	Technical Theatre I	
Credit	.5	

Technical Theatre deepens the learning from Technical Theatre I by teaching more advanced skills in lighting, sound, costuming, make-up, and stagecraft. Students will complete projects in each technical discipline leading to a culminating project that puts all skills into practice. This is a hands-on class that will allow students to create a theatrical production involving all technical elements from lights to sound to costumes. A performance of the final product will be showcased at the end of this class.

PRODUCTION CLASSROOM

Course Numbers	Semester	7620
Prerequisites	Theatre Appreciation or participation in the stage crew of 2-3 shows with teacher recommendation	
Credit	.5	

The Production Classroom covers pre-production (producing, design, marketing, stage management), the production binder, performance, post-performance reflection/ assessment, and theatrical troubleshooting. Students will build creative, theatrical portfolios to showcase their design work as they learn real world marketing techniques, organization skills, and problem solving that will apply in the theatre world and beyond. Master classes will be scheduled to enhance student learning.

ACTING STYLES

Course Numbers	Acting Styles I	7630
	Acting Styles II	7632
Prerequisites	Theatre Appreciation and Performance and Theater Practicum or performance in 2-3 shows with teacher recommendation	
Credit	.5	

Acting Styles is an advanced acting class that covers advanced actor warm-ups and games, stage vs. film acting, performing the song, commercials, and cold readings. Students will explore the techniques of great acting teachers like Uta Hagan, Konstantin Stanislavski, and Chekov Technique. Students will apply these techniques to monologues, scenes, and songs with a class showcase at the end of the semester.

ACTING AND DIRECTING

Course Numbers	Acting & Directing I 7640 Acting & Directing II7642
Prerequisites	Theatre Appreciation and Performance and Theater Practicum or performance in 2-3 with teacher recommendation
Credit	.5

Acting and Directing covers directing styles and tools by exploring different types of performance like Theatre of the Absurd. Students will explore The Actor's Purpose as it pertains to auditioning, rehearsal, and character development. Projects will include devised theatrical performance, one acts, duet scenes, and creative writing projects with a class showcase at the end of the semester.

INDEPENDENT STUDY: THEATRE

Course Numbers	Semester 7592 Yearlong 7599
Prerequisites	Theatre Appreciation, Theatre Practicum, or participation in 2-3 shows with teacher recommendation
Credit	.5

Independent Studies are designed with the individual student in mind. Students will build creative, theatrical portfolios to showcase their performing or design work as they learn real world marketing techniques, organization skills, and problem solving that will apply in the theatre world and beyond. Master classes will be scheduled to enhance student learning.

PE/HEALTH COURSES

Two semesters of Physical Education and one semester of Health are required to meet state and McNicholas graduation requirements. Alternatively, students may opt for the PE waiver if they participate in two seasons of an interscholastic sport.

HEALTH

Course Numbers	9127
Prerequisites	None.
Credit	.5

This one semester online course is a graduation requirement for all students. Students learn how to develop a lifestyle which enhances wellness by furthering their knowledge of their personality, body systems, and behavior.

PHYSICAL EDUCATION I

Course Numbers	9117
Prerequisites	None.
Credit	.5

All students are required to earn PE credit for graduation. Classes are co-ed. Emphasis will be placed on the students improving their current level of physical fitness. Students will be exposed to many team and individual sports such as volleyball, soccer, basketball, softball, football, track and field, and badminton.

PHYSICAL EDUCATION II

Course Numbers	PE II 9527
	Advanced PE II 9530
Prerequisites	PE I.
Credit	.5

This one semester course will encourage interest in lifetime sports and major emphasis will be on improving their current level of physical fitness. Flexibility, cardiovascular endurance and muscular strength will be the focus in this fitness-oriented class. Fitness assessment and improvement is a priority. Advanced PE II will primarily focus on weightlifting and only be offered spring semester.