



ARCHBISHOP
MCNICHOLAS

THAT YOUTH MAY ATTAIN FULL STATURE IN CHRIST

2012-2013 Course Directory

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This course directory is to be used by students and parents when exploring course options at McNicholas High School. Each student will discuss course selections for the following academic year with his or her counselor prior to registration.

We ask that you carefully consider the options available when scheduling courses; please keep in mind the requirements for graduation from McNicholas High School as well as the college preparatory units that comprise the minimum core requirements for the State of Ohio. Other college entrance requirements, particularly those for specific programs of interest, should also be considered.

Parents with questions regarding the scheduling process should call the Guidance Office at 231-3500, ext. 5128.

Graduation Requirements for McNicholas students are as follows:

- 4 Religion
- 4 English
- 3 Social Studies
- 3 Mathematics required for class of 2013
- 4 Mathematics required for classes of 2014, 2015, 2016
- .5 Health
- .5 Physical Education
- 3 Science (1-Biological & 1-Physical)
- 1 Fine Art

Electives to total 24 credits

40 hours volunteer service work

Senior Retreat

Passing all required Ohio Graduation Tests (OGT's)

1 credit = 1 full year course work

(2 semesters of PE is equal to 1/2 credit)

COLLEGE ENTRANCE REQUIREMENTS

College entrance requirements vary among institutions, but the minimum core of courses a student should have prior to college entrance as outlined by the State of Ohio includes:

- 4 English
- 3 Math (Algebra I, Geometry, Algebra II)
- 3 Social Studies
- 3 Lab Sciences
- 2-3 Foreign Language*
- 1 Fine Art
- 1 PE/Health

One credit is equal to one year of course work.

(2 semesters of PE are equal to 1/2 credit)

*Two years of Spanish I CP II, and Algebra I CP II and CP III equals one college prep unit.

Students are encouraged to take as many courses in these areas as possible, even if their plans do not include college at this time. Students and their parents must, of course, consider the student's ability when scheduling classes. Students should consider the requirements of specific colleges, if such decisions have been made.

The following courses offered by McNicholas High School fulfill the fine arts requirement for minimum core:

Foundation Art	Band I, II, III, IV
AP Art	Percussion Techniques
Art Appreciation	Guitar Techniques
Drawing & Painting	Concert Choir
Computer Graphics	Photography I, II, AP
Fibers & Printmaking	Theatre Performance I, II, III, IV
Ceramics I, II (one semester)	AP Music Theory
Advanced Ceramics (one semester)	

Additionally, some schools will accept Music Appreciation, and Architectural Drafting as a fine art. The student is encouraged to ascertain the requirements of the schools being considered prior to scheduling for the senior year.

FINANCIAL LITERACY

The State of Ohio requires all schools to provide curriculum that equips students with the skills and concepts needed for financial literacy. Our students experience this curriculum in the Government/Economics/Personal Finance course or the AP Government course in the junior year. Students may also learn and practice these skills in the semester elective, Introduction to Business.

Ohio Graduation Tests

All students must pass the Writing, Reading, Mathematics, Citizenship and Science Ohio Graduation Tests.

Course Planning

Students at McNicholas should begin looking at possible course options as early as the freshman year so that all graduation requirements and college preparatory units can be fulfilled by the senior year. Students have classes per day and, therefore, ample room for all courses needed or desired, but careful planning is essential if students are to have balanced schedules that provide courses in all areas necessary. The junior and senior years provide elective space for additional college preparatory courses, for study in a special interest area, or for fulfilling special college prerequisites.

In some instances, teacher recommendations are necessary for upper level mathematics, science, languages, etc. Waiver slips are to be signed by the parent who assumes full responsibility for a student taking a course for which he/she has not been recommended by the teacher. If a student is on waiver, he/she is expected to put forth the additional effort to complete the course successfully.

Students receive one-on-one guidance from their counselor when selecting course options for the following year. Each student is provided with course information, teacher recommendations for placement, college requirement updates, and a personal interview with a counselor to facilitate the scheduling process. Parents with questions should contact the counselor with whom the student is in communication regarding course options. Counselors may be reached by phoning the Guidance Office at 231-3500, ext. 5128.

Class Rank and Weighting

Courses at McNicholas are weighted based on level of difficulty for the purpose of calculating class rank. The weight and credit value of a course is listed in this guide.

English Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors	English I Honors	English II Honors	English III Honors	English IV Advanced Placement
College Prep I	English I	English II	English III	English IV
College Prep II	English I	English II	English III	English IV
Electives	Reading Skills	Journalism I Yearbook Creative Writing I Creative Writing II Contemporary Lit.	Journalism I <i>or</i> Advanced Journalism Yearbook Advanced Yearbook Creative Writing Creative Writing II Contemporary Lit.	Journalism I <i>or</i> Advanced Journalism Yearbook Advanced Yearbook Creative Writing I Creative Writing II Contemporary Lit.

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

ENGLISH I

Course Numbers: English I - Honors : 0111 *Wgt. 1.06*
 English I - CP-I 0113
 English I - CP-II 0114

Prerequisites: None, available to grade 9.

Credit: 1

Freshman English will integrate the following: an intensive grammar and usage study, a survey of literary genres, prescribed vocabulary and literary terms, and instruction in writing/composition skills. This course will also prepare students for the Ohio Graduation Test.

READING SKILLS

Course Number: 0136

Prerequisites: None, available to grade 9

Credit: 1

Reading Skills is offered to freshmen who test below grade level in comprehension or vocabulary skills on their eighth grade placement test. Overall emphasis is placed on developing students' self-awareness of their own reading attitudes and behaviors, reading processes, and the use of reading/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 pleasure and for achievement of future goals, and writing based on reading.

CONTEMPORARY LITERATURE

Course Number: 0527

Prerequisites: English I credit and current English teacher recommendation.

Available to grades 10, 11, 12.

Credit: .5

Contemporary Literature is a one semester elective, considered an enrichment to the basic English four year program. This course studies novels, plays, short stories, and poems written in recent years. Students will study major selections, in addition to shorter pieces. Selections are subject to change each year. This elective is designed for those students who enjoy reading and discussing contemporary literature.

CREATIVE WRITING I

Course Number: 0547

Prerequisites: English I credit and current English teacher recommendation.

Available to grades 10, 11, 12.

Credit: .5

This class will require 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 will work on writing and technique each day in class. All students will be required to submit work to both the literary journal, Reflections, and an outside publication. Each student will present the entire semester's work in a final collection portfolio. There will be an additional emphasis on performance of works.

CREATIVE WRITING II

Course Number: 0557

Prerequisites: Available to grades 10, 11 and 12.

Student needs an 85% average in Creative Writing I and recommendation of Creative Writing teacher(s).

Credit: .5

This class will concentrate on students' strong points in form and technique. The student will create a showcase portfolio, work independently, and submit work for publication. This entails approximately one creative writing assignment per week in addition to daily writing warm-up activities. There will be an additional emphasis on performance of works. Students will also oversee the publication of the literary journal, Reflections.

JOURNALISM

Course Number: 0567

Prerequisites: Recommendation from English teacher.
Available to grades 10, 11, and 12.

Credit: 5

This semester course teaches journalistic skills such as news writing, feature writing, editorial writing, headline writing, copy editing, and interviewing. Students will apply these skills through the publication of the online school newspaper, *The Milestone*. Emphasis is placed on independent work skills. Students may take more than one semester of Journalism.

ADVANCED JOURNALISM

Course Number: 0587

Prerequisites: At least one semester of Journalism. Recommendation from Journalism teacher.

Credit: 1

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

YEARBOOK

Course Number: 0577

Prerequisites: Recommendation from English teacher.
Available to grades 10, 11, and 12.

Credit: 1

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

ADVANCED YEARBOOK

Course Number: 0597

Prerequisites: Yearbook I and recommendation of Yearbook I teacher.
Available to grades 11, and 12.

Credit: 1

This year-long course develops professional publication and leadership skills. The student will assume an editor role in the publication of the yearbook, critique page design and content, and make decisions concerning theme, ladder, budget, design, etc.

Mathematics Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors:	Algebra I	Algebra II & Geometry	Pre-Calculus	A.P. Calculus
College Preparatory I	Algebra I	Geometry	Algebra II	Pre-Calculus
College Preparatory II	Algebra I Part 1	Algebra I Part 2	Geometry	Algebra II
College Preparatory III	Algebra I Part 1	Algebra I Part 2	Geometry	Algebra II

ALGEBRA 1

Course Number: Algebra CII - Part 1 1114
 Algebra CIII - Part 1 1115

Prerequisites for both levels: None for 9th grade

Credit: 1 (College Preparatory Units: .5)

These courses have been developed for students who plan to enter college but do not have a sufficient math background or ability to complete a one-year algebra course. Algebra I, both CII and CIII, is for those students whose tests indicate below average mathematic 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 have an introduction to functions, and linear functions. Ohio Graduation Test review and practice of test taking techniques will be provided.

ALGEBRA 1

Course Number: Algebra CII - Part 2 1217
 Algebra CIII - Part 2 1218

Prerequisites for both levels: Completion of Algebra I - Part 1

Credit: 1 (College Preparatory Units: .5)

This is a follow up to CII or CIII Algebra 1 - 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. Additional topics covered will include absolute value and properties of real numbers. Students will apply these concepts while solving equations. Word problems, inequalities, relations, functions, graphing and polynomials will also be studied. Ohio Graduation Test review and practice of test taking techniques will be provided.

ALGEBRA 1:

Course Numbers:	Algebra 1 - Honors	1111	<i>Wgt. 1.06</i>
	Algebra 1 - CPI	1113	

Prerequisites for both levels: Satisfactory score on placement test and recommendation of teacher.

Credit: 1

Algebra I is a one year course designed for the freshman with average (CP1) or above average (Honors) mathematical ability and achievement. An in-depth understanding of the theory of numbers and operations and proficiency is expected. The topics covered include: numbers and sets, the language of algebra, solving equations in one variable, solving and graphing the solution sets of inequalities in one variable, operations with polynomials, factoring, working with algebraic fractions, functions and relations, graphs, systems of open sentences in two variables and working with irrational numbers. Setting up and solving problems will be studied. Solving quadratic equations by factoring, completing the square and the quadratic formula will be covered. Ohio Graduation Test review and practice of test taking techniques are provided. Additional topics for Honors: solving quadratics by graphing, an in-depth exploration of word problems including uniform motion, mixture and multiple investment problems.

Plane Geometry

Course Number:	Geometry - Honors	1211	<i>Wgt. 1.06</i>
	Geometry - CP1	1212	
	Geometry - CPII	1214	
	Geometry - CPIII	1215	

Prerequisites for all levels: Algebra I or its equivalent, placement per teacher recommendation.

Credit: 1

The Plane Geometry course places a great deal of emphasis on the concept of proof. Through the use of definitions, postulates, and theorems, the students are required to reason logically to 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 much emphasis on numeric and algebraic exercises. Formulas are dealt with in terms of areas and volumes for various plane and solid figures. Slopes, distances, and midpoints will be studied. There is also an introduction to trigonometry using right triangles in the CP1 and honors level.

ALGEBRA II

Course Numbers:	Algebra II - Honors	1221	<i>Wgt. 1.06</i>
	Algebra II - CPI	1312	
	Algebra II - CPII	1314	
	Algebra II - CPIII	1315	

Prerequisites for all levels: Completion of Geometry Level by recommendation of teacher.

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. The conic sections and their properties are examined.

Trigonometry is studied, concluding with Law of Sines and Cosines. Topics in probability including permutations and combinations are studied.

ALGEBRA III and TRIGONOMETRY - CPII

Course Number: 1414

Prerequisites for both levels: 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 detail while moving into trigonometry. The various aspects of practical applications are stressed with each topic. Topics covered include: absolute values, linear graphs of equations and inequalities, applications of linear systems, operations with graphing of polynomials, extensive factoring with application to equation solving, rational expressions, application of rational equations, roots, radicals, and complex numbers, quadratic equations and inequalities, quadratic and inverse functions, conic sections and trigonometry.

PRECALCULUS

Course Numbers:	PreCalculus – Honors	1311	<i>Wgt. 1.06</i>
	PreCalculus – CPI	1412	

Prerequisites for both levels: Completion of Algebra II and recommendation of teacher.

Credit: 1

This course is designed for the fourth year of mathematics or the third year for the honors level student. Subject matter includes extensive work with functions, graphing, conic sections and logarithms. The trigonometric functions and their graphs, identities and equations are 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.

AP CALCULUS

Course Number:	A.P. Calculus	1411	<i>Wgt. 1.06</i>
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Prerequisites: Teacher recommendation required and student should finish Honors Pre-Calculus with at least 84%. Available to 12th graders who have completed 4 years of honors math.

Credit: 1

This one-year course in Calculus will begin with a review of different types of functions and examine 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 to prepare students to take the A.P. Calculus exam and requires that students be able to work with and without the use of a calculator.

Religion Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Required Courses:	Hebrew Scriptures <i>and</i> Christology	Morality <i>and</i> Church History	Sacramental Living <i>and</i> Media and Values	Social Justice <i>and</i> Comparative World Religions

RELIGION I

Course Number: 2113

Prerequisites: None, Required of all freshmen

Credit: 1

HEBREW SCRIPTURES (Credit .5)

The Church cherishes the Word of God as it is recorded in the scriptures. This course primarily studies the purpose, development and message of the Hebrew Scriptures (Old Testament) in the light of faith and in the light of current scripture scholarship. Students will develop a deeper understanding of how God has worked in human history and still works in their lives today.

CHRISTOLOGY (Credit .5)

This one semester course involves a search for identity as a Catholic by studying the life, ministry, message and meaning of Jesus as our center. Insights into Jesus will be explored through the study of the Gospels, the Jewish people of Jesus' time and insights of St. Paul.

RELIGION II

Course Number: 2213

Prerequisites: One religion credit, required of all sophomores

Credit: 1

MORALITY (Credit .5)

In this one semester course there is exposure to basic moral principles, decision-making processes and human sexuality. Many issues as abortion, capital punishment, and euthanasia will be examined. The theological and moral virtues will be studied in order to get a vision of what a moral Christian life is all about.

CHURCH HISTORY (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."

RELIGION III

Course Number: 2313

Prerequisites: Two religion credits, required of all juniors

Credit: 1

SACRAMENTAL LIVING (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 this essential element of Catholic life so that they can better appreciate the meaning underlying the sacraments and the relationship between the sacraments and their own life.

MEDIA AND VALUES (Credit .5)

In this one semester course students will learn to discover and evaluate the impact of media messages on beliefs, values and behaviors moving from passive media consumers to critical thinkers. Written media, television, movies, songs and the internet will be viewed within the context of Gospel values.

RELIGION IV

Course Number: 2413

Prerequisites: Three religion credits, required of all seniors

Credit: 1

SOCIAL JUSTICE (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.**

COMPARATIVE WORLD RELIGIONS (Credit .5)

Course Number: 2517

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” is very important for each student to have as they strive to learn as much as they can about various religious traditions. The students will have their own faith enriched through this course.

Social Studies Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Advanced Placement:		A.P. U.S. History →	A.P. Government/ Economics	A.P. European History
College Preparatory I		Modern American History	Government Economics/Person al Finance	Modern World History
College Preparatory II	American Government and Civics	Modern American History		Modern World History
Electives		Introduction to Legal Procedures Native American Studies	Introduction to Legal Procedures Native American Studies	Introduction to Legal Procedures Native American Studies

AMERICAN GOVERNMENT AND CIVICS

Course Number: 3120 Available to Grade 9

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. Students will develop skills needed for the social studies section of the Ohio Graduation Test.

MODERN AMERICAN HISTORY

Course Number: 3220 Available to Grade 10

Prerequisites: NONE

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. This course covers material required for the Social Studies section of the Ohio Graduation Test.

GOVERNMENT/ECONOMICS/PERSONAL FINANCE

Course Number: 3320 Available to Grade 11

Prerequisites: Modern American History or its equivalent

Credit: 1

GOVERNMENT

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 relationship within our federal system and the separation of powers/checks and balances within our national government.

ECONOMICS/PERSONAL FINANCE

This course is an introduction to the role of government in shaping our market economy and its interaction with other types of markets. Topics include the Federal Reserve System, the law of supply and demand, trade and the global economy, and gross domestic product (GDP). Personal finance topics include saving, borrowing, spending, asset management, income and expense budgeting. Emphasis will also be placed on consumer credit, insurance, investments, homeownership, and taxation. This course meets the personal finance literacy requirement for Ohio students.

MODERN WORLD HISTORY AND CURRENT EVENTS

Course Number: 3420 Available to grade 12

Credit: 1

This course is a survey of global history during the modern era beginning in 1750 and working forward. This course provides the student with a general knowledge of the major culture and events in Europe, Africa, Asia, and South America during modern times. It also analyzes the major political, social and economic events that are taking place in the world today.

AP U.S. HISTORY

Course Number: 3211 *Wgt. 1.06* Available to Grades 10 & 11

Prerequisites: English teacher recommendation and a minimum grade of 85% in English I Honors, or a minimum of 90% in English I CP I

Sophomores who wish to enroll in this class for their junior year must:

- have a minimum grade of 93% in Modern American History with the teacher's recommendation **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 materials 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.

AP U.S. GOVERNMENT & POLITICS

Course Number: 3311 *Wgt. 1.06* Available to Grade 11

Prerequisites:

- Social Studies teacher recommendation, a minimum grade of 93% in U.S. History or 93% in Modern American History **and**
- Minimum grade of 85% in English II Honors or 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 materials 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. This course meets the personal finance literacy requirement for Ohio students.

AP EUROPEAN HISTORY

Course Number: 3411 *Wgt. 1.06* Available to Grade 12

Prerequisites:

- Social Studies teacher recommendation, a minimum grade of 85% in AP US Government or 93% in Government/Economics/Personal Finance, **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 materials in European 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.

ELECTIVES

NATIVE AMERICAN STUDIES

Course Number: 3527

Prerequisites: None, available to grades 10,11,12.

Credit: .5

This one semester course is a survey course of Native American cultures from the dawn of history to the present day. This course gives the student an understanding of the diversity, triumphs, and tragedy of Native American cultures. This course has elective status only. It does not qualify towards the three required social studies credits.

INTRODUCTION TO LEGAL PROCEDURES

Course Number: 3547

Prerequisites: None, available to grades 10, 11, 12

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 and an examination of 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. It does not qualify as part of the three social studies credits required

PSYCHOLOGY

Course Number: 3237

Prerequisites: None, available to grades 10, 11, 12

Credit: .5

This one semester course will provide a basic understanding of the principles of psychology. The course will look at various approaches to studying psychology. Throughout the semester we will cover topics in learning and cognition, body and mind, development, personality, social psychology, and career opportunities in psychology. Course work will include examination of case studies and completion of short simulations or experiments in addition to readings from the text. The course has elective status only. It does not qualify towards the three required social studies credits required for graduation.

Foreign Language Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors	Spanish I Honors French I Honors Latin I Honors	Spanish II Honors French II Honors Latin II Honors	Spanish III Honors Latin III Honors	AP Spanish AP Latin
College Preparatory I	Spanish I → French I → Latin I →	Spanish II → Spanish I → French II → French I → Latin II → Latin I →	Spanish III → Spanish II → French III → French II → Latin III → Latin II →	Spanish IV Spanish III French IV French III Latin IV Latin III
College Preparatory II		Spanish IC-1 →	Spanish IC-2 →	Spanish II <i>or</i> Spanish Conversation & Composition
Elective:			Greek	Greek

SPANISH I

Course Number: 4112

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 9,10,11,12.

Credit: 1

This course concentrates on communicating in Spanish through the study of the four skills of listening comprehension, speaking, reading and writing. Grammar exercises, short compositions, oral recitations, question and answer exchanges and dialogues in the target language, puzzles, games, interactive internet activities and related CD-Roms are employed. The language is taught with an emphasis on the Hispanic culture and its impact and enrichment of the U.S. culture.

SPANISH I HONORS

Course Number: 4111

Wgt. 1.06

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 9, 10, 11, 12

Credit: 1

This course concentrates on communicating in Spanish through the study of the four skills of listening comprehension, speaking, reading, and writing. The language is taught with an emphasis on the Hispanic culture and its impact and enrichment of the U.S. culture. **Spanish I Honors, to be followed by Spanish II Honors, and III Honors is designed to prepare students to take Advanced Placement Spanish during their senior year. A supplemental workbook is utilized to provide additional vocabulary and grammar in order to be successful in Advanced Placement Spanish. Students are expected to learn at a faster pace.**

SPANISH II

Course Number: 4212

Prerequisites: 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 IC-2 with a grade of 85% or above and teacher recommendation. Available to grades 9, 10, 11,12

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

Course Number: 4211 *Wgt. 1.06*

Prerequisites: Teacher recommendation.

Credit: 1

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 III

Course Number: 4312 *Wgt. 1.04*

Prerequisites: Teacher recommendation with an 85% average. Available to grades 10, 11,12.

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

Course Number: 4311 *Wgt. 1.06*

Prerequisites: Teacher recommendation. Available to grades 11,12.

Credit: 1

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 Number: 4412 *Wgt. 1.04*

Prerequisites: Teacher recommendation with an 85% average. Available to grade 11 and 12

Credit: 1

This course fully utilizes communication in the target language at all opportunities including everyday topics and literary works. 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 in familiarization with the Hispanic culture and the mutual and reciprocal influence between both cultures.

AP SPANISH IV LANGUAGE

Course Number: 4411

Wgt. 1.06

Prerequisites: Teacher recommendation based upon 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.

AP SPANISH LITERATURE

Course Number: 4413

Wgt. 1.06

Prerequisites: Teacher recommendation based upon aptitude, interest and outstanding grades.

Credit: 1

This course, taught in Spanish, follows the Advanced Placement Spanish Language course. It is the equivalent of a third year college course in Spanish Literature and composition. The main Peninsular literary works and authors from the Middle Ages to the present time are woven with Latin American literature, including pre-Colombian works to the present. This study includes all of the genres. Literary terms and analysis as well as major literary movements are studied.

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

SPANISH I CP II Part 1

Course Number: 4114

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 10,11.

Credit: 1 **(College Preparatory Units: .5)**

This is the first year of basic Spanish designed for those students who require more time to develop the foundational skills necessary for foreign language study. This course concentrates on the four skills of listening, speaking, reading and writing in Spanish through the study of basic grammar, vocabulary and composition. The language is taught with an emphasis on communication in Spanish and the Hispanic culture and includes use of current technology for research and practice.

SPANISH I CP II Part 2

Course Number: 4215

Prerequisites: An average of 77% or better in Spanish IC and teacher recommendation.

Credit: 1 **(College Preparatory Units: .5)**

This is the second year of basic Spanish 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 IC-1. 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 CONVERSATION AND COMPOSITION

Course Number: 4314

Prerequisites: Teacher recommendation.

Credit: 1

This is the third course in the IC-1 and IC-2 sequence. This course is taught primarily in Spanish and thoroughly reviews the skills, vocabulary and language structure learned in previous years. 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.

LATIN I

Course Number: 4132

Prerequisites: Language aptitude as indicated by entrance test or recommendation by English scores. Available to grades 9,10,11.

Credit: 1

Latin I is a foundational course in 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 inflected word endings. These elements are vital to continued successes 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

Course Number: 4131

Wgt. 1.06

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 9,10,11,12.

Credit: 1

Latin I Honors is a foundational course in 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 inflected word endings. These elements are vital to continued successes 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 more rigorous curriculum, and will be expected to learn at a faster pace.

LATIN II

Course Number: 4232

Prerequisites: Latin I credit, teacher recommendation.

Available to grades 10, 11, 12.

Credit: 1

Latin II is a continuation of the Latin course of study begun in Latin I. Students will call upon their knowledge of basic Latin grammar 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. About a third of the way through the school year, we will begin reading Julius Caesar's *Commentarii De Bello Gallico*. To complement this reading, the class will also focus on Roman history.

LATIN II HONORS

Course Number: 4231

Wgt. 1.06

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Teacher recommendation.

Credit: 1

Latin II Honors is a continuation of the Latin course of study begun in Latin I Honors. Students will call upon their knowledge of basic Latin grammar 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. About a third of the way through the school year, we will begin reading Julius Caesar's *Commentarii De Bello Gallico*. To complement this reading, the class will also focus on Roman history.

Latin II Honors is meant to set students on a 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 Number: 4332

Wgt. 1.04

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Teacher recommendation.

Credit: 1

Latin III is a reading based course that puts all knowledge gained during Latin I and II to use. Students will encounter a comprehensive review of Latin language characteristics while engaging in a close reading of Ovid's *Metamorphoses*. So that our study of the *Metamorphoses* be complete, we will study Roman literary techniques and traditions, Ovid's life and times, and the context in which the epic poem was written and read. Students will leave the class with strong translation skills and a formidable knowledge of Ovid as a man and a poet.

LATIN III HONORS

Course Number: 4331 *Wgt. 1.06*

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Teacher recommendation.

Credit: 1

Latin III Honors is a reading based course that puts to use all knowledge gained during the Latin I and II Honors courses. Students will encounter a comprehensive review of Latin language characteristics while engaging in a close reading of Ovid's *Metamorphoses*. So that our study of the *Metamorphoses* be complete, we will study Roman literary techniques and traditions, Ovid's life and times, and the context in which the epic poem was written and read. Students will leave the class with strong translation skills and a formidable knowledge of Ovid as a man and a poet.

The Latin III 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 IV

Course Number: 4432 *Wgt. 1.04*

Prerequisites: Teacher invitation, available to grade 12. 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 add depth to the task of translating. Linguistic accuracy, speed, and comprehension, together with facility in communication of ideas are emphasized. Other poets to be read and discussed include Ovid, Catullus, Horace and Martial.

AP LATIN

Course Number: 4431 *Wgt. 1.06*

Prerequisites: Teacher invitation, available to grade 12. Based on aptitude and outstanding grades.

Credit: 1

This course will prepare those interested in the Advanced Placement Examination by using lab experience and study guides geared to the College Board's program. Students will examine Virgil's Aeneid in detail, including thorough translation and discussion of the poem's themes and the techniques used in the poem. Linguistic accuracy, speed, and comprehension, together with facility in communication of ideas are emphasized. Ovid, Catullus, Horace and Martial will also be read and discussed in preparation for the AP exam.

FRENCH I

Course Number: 4122

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 9, 10, 11

Credit: 1

In this introductory course to the French Language, the skills of listening, speaking, reading, and writing are all practiced extensively. Attention is given to development of vocabulary and to understanding the structure of the language, especially the correct use of verbs in the present tense. French culture and its impact and influence on the world community is introduced.

FRENCH I HONORS

Course Number: 4121

Wgt. 1.06

Prerequisites: Language aptitude as indicated by entrance test or departmental test. Available to grades 9,10,11,12.

Credit: 1

This course concentrates on developing the skills of listening, speaking, reading, and writing in the French language. These course components will be practiced extensively, especially in acquisition of vocabulary and present-tense verbs, and in learning about francophone cultures. 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. It is expected that Honors students continue in French at least through the third year.

FRENCH II

Course Number: 4222

Prerequisites: Passing grade in French I, probationary status if French I average is 77% or below. Available to grades 10,11,12. Available to grade 9 by teacher invitation in special circumstances prior to grade 10.

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.

FRENCH II HONORS

Course Number: 4221

Wgt. 1.06

Prerequisites: Completion of French Honors I with 85% or teacher recommendation.

Credit: 1

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

FRENCH III

Course Number: 4322

Wgt. 1.04

Prerequisites: Teacher recommendation with an 85% average in French II.

Available to grades 11, 12 or by teacher invitation in special circumstances prior to grade 11.

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.

FRENCH IV

Course Number: 4422

Wgt. 1.04

Prerequisites: Teacher recommendation with an 85% in French III.
Available to grades 11 & 12

Credit: 1

This course fully utilizes communication in French at all opportunities including everyday topics and literary works. 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

Course Number: 4421

Wgt. 1.06

Prerequisites: Teacher recommendation based upon 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.

GREEK

Course Number: 4521

Prerequisites: Recommended for students with a GPA of 85% or better.
Available to grades 11, 12

Credit: .5

Greek I is an entry level Greek survey course. Its main goal is to help students recognize the contributions Ancient Greek cultures made to our own civilization and to produce a certain respect for our civilization's direct ancestors. To that end, the course will equip students with a basic understanding of Greek grammar, syntax, and vocabulary. In addition, we will study elements of Greek history beginning with the Mycenaean Palace Culture and finishing with the Peloponnesian Wars in the 5th Century BC. So that students' study of the language has a frame of reference, we will also look at Classical Greek literature, including but not limited to Homer, Hesiod, Sophocles, and Aristophanes.

Science Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors	Biology	Chemistry Anatomy & Physiology	A.P. Biology Physics	A.P. Physics A.P. Biology Physics Anatomy & Physiology
College Prep I	Biology	Chemistry Anatomy & Physiology	Physics Chemistry Anatomy & Physiology	A.P. Biology A.P. Physics Physics Anatomy & Physiology
College Prep II	Environmental Science	Biology	Chemistry Chemistry in the Community Anatomy and Physiology	Chemistry Chemistry in the Community Anatomy and Physiology
Progression in the science curriculum is dependent upon student performance and teacher recommendation. Some pre-requisites apply.				

ENVIRONMENTAL SCIENCE

Course Number: 5116

Prerequisites: None, available to grade 9.

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, including those needed for the Ohio Graduation Test.

BIOLOGY

Course Number: 5112

Prerequisites: Environmental Science students need teacher recommendation.

Available to grades 9,10.

Credit: 1

A lecture/laboratory course covering the basic concepts of taxonomy, cell biology, genetics, evolution, botany, invertebrate and vertebrate zoology, and ecology. This course includes preparation for the Ohio Graduation Test.

ANATOMY AND PHYSIOLOGY

Course Number: 5223

Prerequisites: Biology and teacher recommendation.

Available to grades 10, 11, 12

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 health care field. This course includes Ohio Graduation Test preparation where applicable.

CHEMISTRY

Course Number: 5312

Wgt. 1.04

Prerequisites: Freshmen who wish to take chemistry in their sophomore year must have 85% in Biology I, and be enrolled in Algebra I Honors or have an 85% in Algebra I CPI and teacher recommendation. Sophomores and juniors need a biology credit, an Algebra I credit, and recommendation of their current science teacher or department chair.

Available to grades 10, 11, 12

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, equilibrium, and nuclear reactions. This course includes OGT preparation where applicable.

CHEMISTRY IN THE COMMUNITY

Course Number: 5335

Prerequisites: Algebra I, Biology I. Open to juniors and seniors with teacher recommendation.

Credit: 1

An examination of core concepts of chemistry with key societal issues. Labs are an important part of the course; mathematical applications are minimal. This course includes Ohio Graduation Test preparation where applicable.

AP BIOLOGY

Course Number: 5321

Wgt. 1.06

Prerequisites: 85% in Chemistry, current teacher recommendation, and invitation of AP teacher.

Available to grades 11, 12.

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.

PHYSICS

Course Number: 5412 *Wgt. 1.04*

Prerequisites: Available to grades 11, 12

- Sophomores who wish to take physics in their junior year should have credit in chemistry and chemistry teacher recommendation, geometry credit, and 80% in Algebra II Honors.
- Sophomores or juniors who have a chemistry and a geometry credit may take Algebra II concurrently with Physics only with recommendation of their current science teacher.
- Juniors presently taking Algebra II CPI should have 80% in chemistry and chemistry teacher recommendation, geometry credit, and 80% in Algebra II CPI or Honors Algebra II. Juniors presently taking geometry CP I and planning to enroll in Algebra II CP I as seniors must have the recommendation of their current math and science teacher.

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, thermal energy, wave characteristics, and static electricity.

AP PHYSICS

Course Number: 5411 *Wgt. 1.06*

Prerequisites: 90% in Algebra II CPI or 85% in Algebra II Honors and current teacher recommendation and invitation of AP teacher. Available to grades 11, 12.

Credit: 1

This is an accelerated course using the math concepts of algebra and trigonometry in an intensive study of kinematics, Newton's laws of motion, conservation laws in classical mechanics, thermodynamics, electrostatics, electric circuits, magnetism, waves and optics, and modern physics. 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 B examination, by which college credit may be earned.

Business Technology Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
College Preparatory Sequence:	Technology & Communication	Technology & Communication (if not taken in grade 9)		
Electives:		Web Design	Web Design <i>or</i> Video Editing	Web Design <i>or</i> Video Editing
		Intro to Business: The Economy and You	Intro to Business: The Economy and You	Intro to Business: The Economy and You
			Accounting	Accounting
			Computer Programming I	Computer Programming I <i>or</i> Computer Programming II - AP

TECHNOLOGY & COMMUNICATION I

Course Number: 8117

Prerequisites: None, Open to freshmen.

Credit: .5

This course employs techniques to assist students in making the transition from grade school to high school with a foundation in computer technology and communication skills. Using tablet technology, the course explores topics relevant to a student's success in the classroom and beyond. Students will gain an understanding and appreciation of current technology, its ethical applications, and its history. Upon completion of the course, students will have a working knowledge of research techniques, business and online etiquette, and interpersonal communications. An introduction to public speaking will enhance the students' skills for oral presentations. In addition, students will gain experience using their tablet as a learning tool and develop skills that are essential for the 21st century student to succeed in the classroom.

TECHNOLOGY & COMMUNICATION II

Course Number: 8127

Prerequisites: None. Open to freshmen

Credit: .5

This course builds on elements from Technology and Communication I. In this course, students explore further uses for tablet technology especially as it relates to success in life outside the classroom. The course introduces concepts such as goal setting, workplace communication, and interview etiquette that will prepare students for success beyond their high school years. This course goes on to develop technological skills that allow students to think critically using the tablet as a means of solving problems and communicating with others. Upon completing this course, students will gain experience keeping personal financial records, creating professionally structured documents, and using technology to communicate both ethically and effectively.

WEB DESIGN

Course Number: 8218

Prerequisites: None. Available to grades 10, 11, and 12

Credit: .5

This one semester course is designed for the creative student who is interested in exploring the development of a web page. Web publishing fundamentals, planning a successful Web site, graphics, multimedia, interactivity on the Web, testing, and maintaining a Web site will be covered. After completing the course, the students will be able to create their own Web sites using Adobe DreamWeaver.

VIDEO EDITING

Course Number: 8348

Prerequisites: None. Available to grades 11, 12.

Credit: .5

This one semester course is designed for the creative student who is interested learning basic motion video and video editing using Adobe Premiere CS5. Students will produce both individual and group videos on topics of their choosing. Topics have included, but are not limited to, videos about themselves, the school, a movie trailer, a team or personal highlight video, a music video, a play, a montage of favorite team, Senior Video, the Mardi Gras and the Rocket Report.

FILM MAKING

Course Number: 8349

Prerequisites: Video Editing. Available to grades 11, 12.

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.

ACCOUNTING

Course Number: 8527

Prerequisites: None, Available to grades 11, 12

Credit: 1

This course is strongly recommended for students planning to major in a business related discipline in college.

Accounting will enable a student to develop the proper background to advance in the business world. Included in the course are procedures to open and keep a set of books, prepare financial statements, work with payroll transactions, be knowledgeable in corporations and single proprietorships as a form of business organization, and learn proper income tax requirements. Students will practice manual accounting procedures.

INTRODUCTION TO BUSINESS: THE ECONOMY AND YOU

Course Number: 8537

Prerequisites: None, available to grades 10, 11, 12

Credit: .5

This course meets the personal finance literacy requirement for Ohio students. This course is strongly recommended for students planning to major in a business related discipline in college.

This is a one semester introductory business course that familiarizes students with the business world. Topics covered include consumerism, banking, credit, insurance and our economic system. Practical topics such as personal finance, and income tax will also be covered. Students will also solve business practice problems in an assessment section in the text.

COMPUTER PROGRAMMING I

Course Number: 8337

Prerequisites: Credit in Algebra II or currently enrolled in Algebra II.

Available to grades 11, 12

Credit: 1

This course is strongly recommended for the student interested in programming or majoring in a computer related discipline in college. This course covers essential concepts in computer programming utilizing Visual Basic and C++. Topics include, but are not limited to: program structure and design, algorithms, graphical interfaces, flow of control, conditions, "if-then-else" selection structure, functions, loops, arrays, sorting, menus, and objects.

AP COMPUTER PROGRAMMING

Course Number: 8357 *Wgt. 1.06*

Prerequisites: Computer Programming I or permission of teacher.

Available to grade 12

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), the topics, and the case study in this class will be geared toward successful completion of the Advanced Placement Test.

ADVANCED COMPUTER TECHNOLOGY (Student Help Desk)

Course Number: 8217 – one semester **Credit: .5**
8247 – full year **Credit: 1**

Prerequisite: A minimum grade of 90% in Technology and Communication
Available to grades 10, 11, 12
Passing interview process

This course is designed for students who wish to pursue a career dealing with computers and technology. The coursework will lead a student toward earning A+ certification. Daily attendance at the Student Help Desk, located in the Library Media Center, is mandatory. Final grade will be based on: 1) the student's progress through the on-line A+ certification course as measured by quiz scores and written work, and 2) the student's ability to solve problems at the Help Desk and interact with other students as measured by the teacher. Class size is limited to one (1) student per class period and first year students have top priority. Students may opt to take this course more than once, but additional certifications must be pursued, provided space is available.

Visual Arts Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Fine Arts: (fulfills McN graduation and college entrance requirement)	Foundation Art	Foundation Art Art Appreciation A & B Ceramics I Ceramics II Drawing/Painting Fibers/Printmaking	Foundation Art Art Appreciation A & B Computer Graphics Ceramics I Ceramics II Adv. Ceramics Drawing/Painting Fibers/Printmaking Photography I Architectural Design & Drafting I AP Art (2-D) AP Art (3-D) Portfolio Development Independent Studio	Foundation Art Art Appreciation A & B Computer Graphics Ceramics I Ceramics II Adv. Ceramics Drawing/Painting Fibers/Printmaking Architectural Design & Drafting I, II Photography I, II, AP Photo AP Art (2-D) AP Art (3-D) Portfolio Development Independent Studio

FOUNDATION ART

Course Number: 6117

Prerequisites: Portfolio review or instructor recommendation
For Grade 9, Open Enrollment for 10, 11, & 12.

Credit: 1

Students will study the elements and principals of design as visual language as they develop understanding of composition. Students will explore sense of light, perspective, form and space in the study of master works and experience a variety of techniques and styles as they compose their own works. Drawing exercises and projects from observation are integrated throughout the year.

ART APPRECIATION A

Course Number: 6001

Prerequisites: None . Available to grades 10, 11, 12

Credit: .5

This course offers students the basic techniques of the use of elements and principles of design in visual artworks. This hands-on experience will allow students to develop a deeper understanding of composition and an appreciation for the creative process.

ART APPRECIATION B

Course Number: 6002

Prerequisites: None. Available to grades 10, 11, 12

Credit: .5

This course offers a focus of the visual arts through a historical and a multi-cultural perspective. Students will explore the works of artists through history in the development of style and composition. Through hands on experience, students will develop a broader appreciation for the creative process and visual communication.

DRAWING / PAINTING

Course Number: 6225

Prerequisites: Foundation Art and recommendation of instructor.

Available to grades 10, 11, 12

Credit: 1

This course emphasizes visual thinking skills. Students will explore in-depth drawing and painting techniques emphasizing value, light, color, texture, perspective, space and form. Students will focus on developing compositions from life observations, self-portraits, portraits, and figure drawing. A variety of mediums will be explored.

COMPUTER GRAPHICS

Course Number: 6528

Prerequisites: Permission of the instructor. Available to grades 11, 12.

Credit: 1

Computer Graphics is an art class that uses the computer as a tool for creating graphic art. Students will use Painter, Illustrator, and Photoshop as their main programs. Projects will include the basic study of design along with artworks influenced by a variety of artists and today's media. A business project and a package design project will be explored and completed with each consisting of a logo, business card, and an advertisement. Graphic art and design is a growing occupation in today's world.

FIBERS / PRINTMAKING

Course Number: 6325

Prerequisites: Foundation Art, and/or recommendation of instructor.

Available to grades 10, 11, 12

Credit: 1

Students will explore methods and design inprinting techniques including stamped design, linoleum, woodcut, and screen printing. Mono-prints and developed series will be studied, as well as the concepts of creating surface in applied industry. (i.e. interior and fashion design). This leads into fiber studies that will include weaving, printing and painting on fabric and dye/resist methods of creating design on and with fibers.

AP ART 2D - DESIGN, DRAWING

Course Number: 6411 *Wgt. 1.06*

Prerequisites: 93% average in previous art courses and recommendation by instructor, a portfolio review and conference with student, parent and teacher. Available to Grade 12.

Credit: 1

Advanced placement makes it possible for the highly motivated student to do college level work. Students will need to work outside the classroom as well as in it, and beyond scheduled periods. The drawing portfolio may include a broad interpretation of drawing issues including abstract and observational works. A portfolio of 24-30 works will be completed by the end of the year. Portfolios will be sent for examination and review to the College Board's AP Program in May.

CERAMICS I

Course Number: 6547

Prerequisites: Available to grades 10, 11, 12.

Credit: .5

This beginning course introduces students to the basic fundamentals of working with three dimensional forms in clay. Students will produce functional and sculptural pieces. Clay construction, additive and subtractive techniques, and glazing will be some of the topics covered. A brief overview of the history of ceramics will be presented.

CERAMICS II

Course Number: 6570

Prerequisites: Ceramics I, and/or recommendation of instructor.

Available to grades 10, 11, 12

Credit: .5

This course is designed for students who have completed Ceramics I and want to continue exploring the ceramic medium. The introduction to wheel throwing techniques and forms, both functional and nonfunctional, will be emphasized, advanced hand building techniques will be included. Students' knowledge of the history and aesthetics of ceramics are further developed through field trips, visiting artist and class discussions.

ADVANCED CERAMICS

Course Number: 6571

Prerequisites: Ceramics I & II and recommendation of instructor.

Available to grades 11, 12

Credit: .5

This class is designed for students who are considering a career in art and have completed advanced studio courses. Projects extend to all media with emphasis on individual style, and composition. It is recommended that students start to assemble projects for an art portfolio and/or to prepare a portfolio of their work.

Exploring scholarship opportunities in various art schools is also encouraged.

AP ART 3D - DESIGN

Course Number: 6512

Wgt. 1.06

Prerequisites: 93% average in Ceramics II or Advanced Ceramics and recommendation by instructor. Available to Grade 12.

Credit: 1

Advanced Placement Art makes it possible for the highly motivated student to do college level work. Students will need to work outside the classroom, as well as in it, and beyond scheduled periods. The 3-D Design Portfolio may include sculptural works from ceramics, architectural models and other forms. A portfolio of 18-25 works will be completed by the end of the year. Portfolios will be sent for examination and review to the College Board's AP Program in May.

ARCHITECTURAL DESIGN AND DRAFTING I

Course Number: 6577

Prerequisites: None. Available to grades 11, 12. Limited Enrollment

Credit: 1

This beginning course introduces students to the architecture and design field's by covering the proper techniques and procedures used in designing and drafting, a set of working drawings for residential structures. The second semester is dedicated to drawing basic floor plans, elevations, and landscaping. Students will design a home within guidelines and build a model to scale. A goal of this class is to create as much exposure to their occupational futures as possible. We create projects based on career options in the design fields: architecture industrial design, interior design, graphic design and the subcategories of each of these fields. With this information, students are encouraged to consider applying to specific art programs at the college level or jobs they can apply for in business and industry upon graduation. **Fees will be assessed for lost or damaged equipment.**

ARCHITECTURAL DESIGN AND DRAFTING II

Course Number: 6587

Prerequisites: 90% average in Architectural Design and Drafting I, instructor recommendation Available to grades 12. Limited Enrollment

Credit: 1

This course gives the student the practical knowledge needed to pursue courses in allied fields of drafting, engineering, landscape design and interior design. The course explores the principles of visual and spatial relations and helps the student to discipline him/herself by emphasizing precision, neatness, and correct interpretations of standard drafting principles, using drafting tools or computer assisted design. **Fees will be assessed for lost or damaged equipment.**

PHOTOGRAPHY I

Course Number: 6557

Prerequisites: None. Available to grades 11,12. Limited enrollment refer to the Photography permission form for details regarding equipment and expenses for Photography.

Credit: 1

This course includes basic picture-taking techniques using a 35mm camera, black and white film processing, and black and white print-making techniques using our wet-processing darkroom. Other topics covered are photographic composition, special effects filters, camera lenses, portraiture, and lighting techniques. Photographs are mounted and exhibited regularly.

PHOTOGRAPHY II

Course Number: 6567

Prerequisites: Successful completion of Photography I, instructor recommendation and minimum 90% average in Photo I. Available to grade 12.

Refer to the Photography I permission form for details regarding equipment and expenses for Photography II.

Credit: 1

This course includes advanced and creative photographic techniques building on the fundamentals learned in Photo I. Topics covered include creative composition, black and white negative and print manipulation using special filters and developers, and portraiture. Approximately half of the classroom time will be used to learn Photoshop on the computer. Students will also receive instruction on the optimum use of digital cameras and scanners. All students will be required to complete a portfolio. Student work will be displayed around the school.

AP PHOTOGRAPHY (2D Design)

Course Number: 6511 *Wgt. 1.06*

Prerequisites: A minimum grade of 93% in Photo I and recommendation of instructor. Available to Grade 12.

Credit: 1

This is an advanced course for highly motivated students who are seriously interested in the study of photography and computer graphics. Students will need to work outside the classroom and beyond scheduled periods. Group and individual critiques will be done frequently to enable the students to learn to analyze their own work and their peers' work. All students will complete a portfolio of 24-30 works by the end of the year. The portfolio is intended to address a very broad interpretation of two-dimensional (2-D) design issues. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value and color) are combined with the principles of design (unity, variety, balance, emphasis, rhythm, and proportion/scale) in order to communicate content.

The final portfolio consists of five original works, twelve images of their concentration, and twelve images of breadth. This portfolio will be submitted to the AP College Board in early May for grading. Students are responsible for AP test fee.

PORTFOLIO DEVELOPMENT

Course Number: 6420

Prerequisites: A 90% average in previous art courses and permission of the instructor.

Credit: 1

Portfolio development is for the advanced student who is interested in creating his or her portfolio. Works will be created with emphasis in drawing, color, perspective, and independent exploration of media. Each work is created with the purpose of becoming a quality piece worthy of a portfolio. Four to six quality art works are required each quarter. When completed, 12 to 20 works will be included in the student's final portfolio.

INDEPENDENT STUDIO

Course Number: 6580

Prerequisites: A 90 average in previous art courses and permission of the instructor.

Credit: 1

Independent studio is for the student who needs the flexibility in their schedule to work in their selected medium. Students, along with their teacher, will create an independent series of works in a selected medium to enhance their final portfolio.

Performing Arts Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Fine Arts: (fulfills McN graduation and college entrance requirement)	Percussion Techniques	Percussion Techniques	Percussion Techniques	Percussion Techniques
	Band I	Band I <i>or</i> II	Band I, II <i>or</i> III	Band I, II, III <i>or</i> IV
	Concert Choir I	Concert Choir I <i>or</i> II	Concert Choir I, II <i>or</i> III	Concert Choir I, II, III, <i>or</i> IV
	Theatre Performance I (by audition)	Theatre Performance I <i>or</i> II	Theatre Performance I <i>or</i> II <i>or</i> III	Theatre Performance I, II, III <i>or</i> IV
		Music Appreciation	Music Appreciation	Music Appreciation
		Guitar Techniques	Guitar Techniques	Guitar Techniques

BAND I, II, III, IV

Course Number: 7117, 7217, 7317, 7417

Prerequisites: None, available to grades 9, 10, 11, 12. Some fees are involved.

Credit: 1

McNicholas' band program meets as a class daily. 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.

PERCUSSION TECHNIQUES

Course Number: 7519

Available to grades 9, 10, 11, 12

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 I

Course Number: 7557 Music Appreciation I

Prerequisites: None, available to grades 10, 11, 12

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. This course can combine with Music Appreciation II to complete the fine arts requirement.

MUSIC APPRECIATION II

Course Number: 7567 Music Appreciation I

Prerequisites: None, available to grades 10, 11, 12

Credit: .5

This course, 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. 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.

AP MUSIC THEORY

Course Number: 7667

Wgt. 1.06

Prerequisites: Teacher Recommendation. Available to grades 10, 11, 12

Credit: 1

This one year course is designed to teach the student how music is created and constructed, as well as how to write and compose music. This class is perfect for any student thinking of music as a career or who wants to learn how to compose music.

CONCERT CHOIR

Course Number: 7517 - One Semester
7547 - Year

Credit: .5

Credit: 1

Prerequisites: None, available to grades 9,10,11,12.

Students may take this class for the fall or spring semester or the whole year.

Students taking this course will study and perform music of a variety of styles. This musical group is ideal for students with all levels of ability. Students will learn sight-reading skills, musical notation, and varied choral styles. Students may take this class for a year to fulfill their fine arts requirement.

GUITAR TECHNIQUES

Course Number: 7520

Prerequisites: **None.** Available to 10, 11, 12 Limited Enrollment

Credit: .5

This one semester course is directed toward 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 guitar.

THEATRE PERFORMANCE I

Course Number: 7577

Prerequisites: None. Available to grade 9 by audition.
Available to grades 10,11,12

Credit: 1

Theatre Performance I will concentrate on the fundamentals of both the performance and technical areas of theatre. The student will explore the historical roots of theatre, learn basic acting skills, participate in stage productions/stage management, and practice basic directing techniques. Preparation for these activities will follow a structured set of guidelines. Emphasis is on developing individual interpretive and organizational skills as well as performance appreciation. Grade for this course is based on performance, preparation of materials and written tests.

THEATRE PERFORMANCE II

Course Number: 7587

Prerequisites: Theatre Performance I credit of a B+ or higher and teacher recommendation.
Available to grades 10, 11, 12

Credit: 1

Theatre Performance II concentrates on acting and directing. Students will study the development of acting and directing, applying these skills to in-class and public performances. In addition, students will be responsible for reviewing professional, and school productions. Grade for this course is based on performance, preparation of materials, written tests, and research projects. Emphasis is on ensemble work.

THEATRE PERFORMANCE III

Course Number : 7597

Prerequisites: Theatre Performance I, II, credit of a B+ or higher and teacher recommendation. Available to grades 11, 12

Credit: 1

Theatre Performance III will require students to do major projects each quarter. These projects will be in the areas of directing, acting, stage management and designing. Historical research on playwrights, actors, and designers will be incorporated in the course work. The technical area will require that set models be built, light plots designed, and ground plans graphed. These projects will end in oral presentation to the class.

THEATRE PERFORMANCE IV

Course Number : 0634

Prerequisites: Theatre Performance I, II, III credit of a B+ or higher and teacher recommendation.
Available to grade 12.

Credit: 1

Theatre Performance IV is essentially an independent theatre seminar. The student will be doing major projects in the areas of technical theatre, performance theatre, and playwriting. In all these areas, the student will be expected to follow the guidelines and meet the criteria specific to the selected projects. Grades will be based on preparation, reports, work journals, performances, and in-class participation.

Physical Education and Health Courses

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Required Courses:	Phys Ed/Health			
Two semesters of Phys Ed and one semester of Health required to meet state and McN requirements.		Phys Ed II	Phys Ed II	Phys Ed II

HEALTH

Course Number: 9127

Prerequisites: None, available to grade 9, 10

Credit: .5

This one semester course is required of all freshmen. Students learn how to develop a life-style which enhances wellness by furthering their knowledge of their personality, body systems, and behavior. Topics discussed include substance use and abuse, sexually transmitted diseases, including AIDS, nutrition, and various body systems.

PHYSICAL EDUCATION I

Course Number: 9117

Prerequisites: None, available to grade 9, 10

Credit: .25

This one semester course is required of all freshmen. 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 Number: 9527

Prerequisites: PE I, available to grades 10, 11, 12

Credit: .25

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.