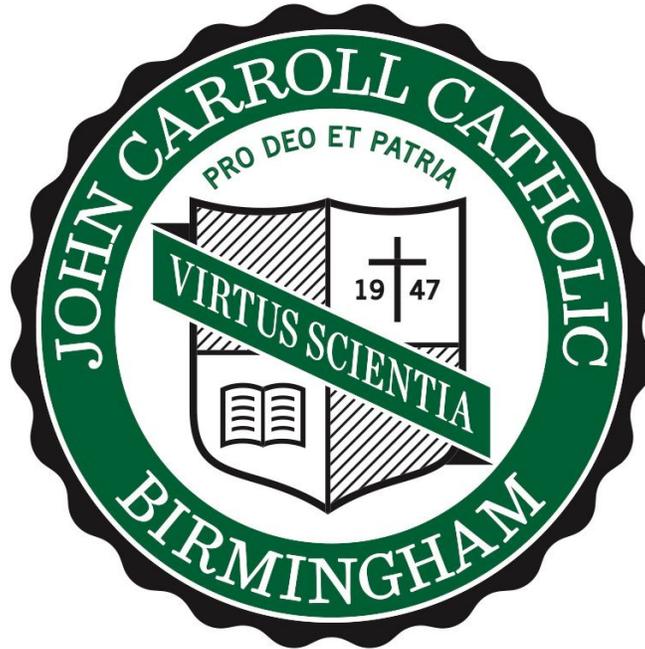


John Carroll Catholic High School



Course Selection and Description Book 2018-2019

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GRADUATION REQUIREMENTS

In order to graduate from John Carroll Catholic High School, a student must earn a minimum of 26 academic credits, as outlined below, and fulfill the community service requirements through the John Carroll Service Program.

Theology	4.0
English	4.0
Science	4.0
Mathematics	4.0
Social Science	4.0
Technology	0.5
Physical Education (or equivalent)	1.0
Electives	4.5
Service Project – Seventy-five (75) hours of service to be completed according to guidelines in Student Handbook	*NC
TOTAL CREDITS	26

ACADEMIC COURSES OF STUDY

John Carroll Catholic High School offers a rigorous college preparatory program that equips students with skills necessary for success in college and careers. John Carroll's academic courses meet and exceed the State of Alabama's high school course of study standards. In addition John Carroll's academic courses are aligned with the Catholic Curriculum Standards and the recommendations of the US Council of Catholic Bishops. All of our instruction and learning are guided by the Catholic intellectual tradition, which encourages students to enthusiastically seek knowledge that will inform their moral development and create positive changes in the world.

The Honors/AP course of study is designed to challenge gifted students to pursue their studies at a greater depth. Courses at this level rely on the independent study, research, analysis, argumentation, and critical thinking involved with the highest level of academic work. Honors/AP courses are open to students based on academic ability, interest in subject material, and motivation of the student to excel in challenging courses.

The Advanced course of study is designed to prepare students for college level work and to develop lifelong love of learning. Coursework emphasizes effective communication through reading, writing, and argumentation, and students are expected to develop into independent, informed, critical thinkers over the course of their four years at John Carroll. Advanced courses are open to students who meet academic requirements.

The Academic course of study is designed to address learning gaps in language and math skills in the 9th and 10th grades and to enable students to move into Advanced/Honors level courses by or before their junior year. Emphasis is placed on smaller classes and increased individual attention. The academic program is open to students based on academic ability and class size limitations, and includes courses in Math, English, Science, and Social Science.

COLLEGE AND CAREER ACADEMIES

John Carroll Academies allow students to pursue studies in fields of personal interests. Both academic and experiential requirements promote applied learning and prepare students for college level work. In addition to coursework, Academy students enjoy field trips, working with professionals in the community, and participating in school teams, clubs, and service trips. Applications to Academies are open at the end of the 3rd quarter each year. The following Academies are scheduled to be rolled out between the 2017-18 and 2018-19 school years.

Social Justice Academy	Students interested in Catholic Social Justice will explore current events and socio-political topics through the lens of Catholic teaching. Service plays a major role in this academy, with students participating in regular service trips and projects and working with local charities and organizations.
Engineering Academy	The Engineering program offers students challenging courses in Science & Math and provides opportunities for independent & mentor-driven research. Students will be able to participate and compete in Science Olympiad, JCCHS Robotics, and ACE Mentoring, and also form relationships with community architects, designers, and engineers.
Fine Arts Academy	Students in the Fine Arts Academy can choose a concentration in Theater, Choir, Art, or Music. Students take Art courses and participate in concerts, productions, and shows, and are exposed to the Arts on a local and national level.
Honors Academy	The Honors Academy represents the highest academic course of study at John Carroll. Students participate in the AP Capstone program, work collaboratively with peers and mentors, and pursue independent areas of research. Field trips and community guests will connect students with college professors and professionals working in different fields.

COURSE SELECTION PROCESS

The course recommendation and selection process begins in the 3rd quarter of each academic year. In consultation with departments, current teachers make recommendations for the next level based on student performance, ability, and interest. Core courses are communicated to students and parents/guardians at end of the 3rd quarter in writing and in conversation with Grade Level Counselors. Once core courses are established, students may select elective options based on personal interest and availability. Every attempt is made to accommodate student preference for electives. Schedules for the school year are made available in Renweb during the summer.

HOW TO MAKE A COURSE CHANGE REQUEST

Course change requests may be made through the Guidance Office during the Add/Drop period (the first 10 school days of the year). Students, parents, Counselors, and the Assistant Principal must approve all changes.

GRADE REPORTING

John Carroll uses the following grading scale to record grades at mid-quarter progress reports and at the end of each quarter and semester. Semester/transcript grades are recorded as letter grades, and progress report/quarter grades are recorded numerically.

A+ 96-100 A 92-95 A- 90-91

B+ 86-89 B 82-85 B- 80-81

C+ 76-79 C 72-75 C- 70-71

D+ 66-69 D 62-65 D- 60-61

F 59 and below

HONOR ROLL

In recognition of outstanding academic achievement, John Carroll awards students with exceptional grade point averages (GPA) membership to the John Carroll Honor Roll. **First Honors** are awarded to students with a GPA of 4.0 and above. **Second Honors** are awarded to students with a GPA of 3.5 to 3.9.

DIPLOMAS

For the classes of 2017 and 2018:

The designation of Advanced Studies is attached to the diploma of the student who earns a total of ten credits (9-12) in the following areas: Foreign Language (must include two consecutive years of the same language), Math (must include 1.0 credit in Advanced Algebra I, Advanced Geometry and Advanced Algebra II), and Science (must include one full credit in Advanced Biology and Chemistry). Students working towards an Advanced Studies Diploma must maintain a minimum of a 2.75 grade point average or better.

For the class of 2019 and after:

All students will receive the John Carroll College Preparatory Diploma. High Honors and Honors distinctions are based on a student's cumulative GPA.

HONOR SOCIETIES

- National Honor Society
- French Honor Society
- Latin Honor Society
- Mu Alpha Theta
- Spanish Honor Society

JOHN CARROLL SERVICE PROGRAM

John Carroll High School is rooted in Gospel values. We believe strongly in the education of the total person. During each student's four years at John Carroll, they will be challenged to grow physically, emotionally, mentally, and spiritually. A major part of their spiritual growth happens through their service projects. Our faith in God is manifested through our love, concern, and service for others.

By reaching out, we learn and understand more about the needs of other people. Our talents, so often taken for granted, become more appreciated and developed. With Jesus as our model, we are encouraged to give back to our communities through the gifts that God has given us.

NCAA

John Carroll makes every attempt to offer NCAA approved courses. Students interested in participating in college athletics should check with the athletic director, college counselor, and team coaches early in their high school career regarding high school course requirements and NCAA eligibility. For more information visit the NCAA Eligibility Center at <http://www.eligibilitycenter.org/>.

CREDIT RECOVERY

Students who fail the first semester of a year-long course can recover first semester credit based on their improvement in the second semester. Students receiving an F in the first semester of a year-long course must make a minimum C to earn full credit for the year.

Students who fail semester-long courses or who fail one or both semesters of a year-long course (but does not satisfy the requirement above) must attend summer school or repeat the course for all failing credits.

**See the Student Handbook for a full explanation of credit recovery policies.*

EXAM EXEMPTION POLICY

Seniors who are not on attendance probation and who have maintained a 90 percent grade average may be exempt from the semester exam in that course. The average combined from both quarters will be recorded as the semester grade. Approved college visits, school sponsored activities, and pre-approved absences by the Dean of Students do not count against exemptions.

Juniors who meet these same qualifications may be exempt from one exam each semester. Exempting exams at John Carroll is a privilege afforded to students who demonstrate academic and disciplinary excellence. Students who are not in good academic or disciplinary standing may be ineligible to exempt exams.

Students taking a year-long AP course must take the AP exam for that course. Students who take both AP Economics and AP Government are required to take either one of the AP exams.

AP COURSE INFORMATION	
John Carroll offers a variety of AP Courses that provide students the opportunity to engage in college-level work during their high school years. AP Courses are taught by John Carroll teachers and developed in partnership with college-level experts through the College Board. Colleges and universities may grant credit and course placement to students based on AP exam scores. John Carroll offers the following AP courses (for full course descriptions see the “Courses by Department” section of this catalog).	
<p>AP Capstone Seminar (10-11) Research (11-12)</p> <p>Science Biology (11-12) Physics I (11-12) Physics II (12) Chemistry (11-12) Environmental Science (11-12)</p> <p>English Language and Composition (10-11) Literature and Composition (12)</p>	<p>History European History (10) US Government (12) Human Geography (10-12) US History (11) Microeconomics (12)</p> <p>World Languages: Latin (12) Spanish Language and Culture (12) French Language and Culture (12)</p> <p>Math Calculus AB (12)</p>

COURSES BY DEPARTMENT

ENGLISH

ENGLISH 9 (World Literature)	ENG 09	Credits 1.0
Prerequisite: None		
<p>This academic level course exposes students to various genres of world literature including novels, short stories, essays, and poetry. Students will develop writing skills through expository, descriptive, persuasive, and narrative compositions with special emphasis on grammar and usage. Vocabulary will be studied through the course literature and vocabulary text. Students in the academic level course will also receive support through online programs and materials.</p>		
ADVANCED ENGLISH 9 (World Literature)	ADV ENG 09	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This course exposes students to various genres of world literature (including novels, short stories, essays, and poetry). Students will develop writing skills through expository, descriptive, persuasive, and narrative compositions, with special emphasis on grammar and usage. Vocabulary will be studied through the course literature and vocabulary text.</p>		
HONORS ENGLISH 9 (World Literature)	H ENG 09	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This course is designed for highly motivated, self-directed students with above average abilities in grammar, composition, and reading. The content of the course is similar to Advanced English 9, but is studied at an accelerated pace. In addition, it includes advanced coverage of grammar skills and composition techniques. Analysis, synthesis, critical thinking, and application will be stressed.</p>		
ENGLISH 10 (American Literature I)	ENG 10	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This academic level course surveys American literature from the Early Settler period to the Civil War. Students will understand literary movements within artistic and historical contexts through selected essays, novels, poetry, and short stories. Student will continue to develop persuasive, critical writing skills through thesis-driven compositions. Students will also study grammar, syntax, usage, and MLA formatting to improve writing and research skills. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.</p>		

ADVANCED ENGLISH 10 (American Literature I)	ADV ENG 10	Credits 1.0
Prerequisite: Teacher recommendation; meets academic criteria		
<p>This course surveys American literature from the Early Settler period to the Civil War. Students will understand literary movements within artistic and historical contexts through selected essays, novels, poetry, and short stories. Student will continue to develop persuasive, critical writing skills through thesis-driven compositions. Students will also study vocabulary, grammar, syntax, usage, and MLA formatting to improve writing and research skills.</p>		

HONORS ENGLISH 10 (American Literature I)	H ENG 10	Credits 1.0
Prerequisite: Teacher recommendation; a minimum B average in Honors English 9 or an A-average in Advanced English 9		
<p>This class is designed for highly motivated, self-directed students with above average abilities in grammar, composition, and reading. The content of the course is similar to Advanced English 10, but is studied at an accelerated pace. In addition, it includes advanced coverage of reading comprehension, grammar skills, and composition techniques. Analysis, synthesis, critical thinking, and application will be stressed.</p>		

ADVANCED ENGLISH 11 (American Literature II)	ADV ENG 11	Credits 1.0
Prerequisite: Teacher recommendation; meets academic criteria		
<p>This course surveys American literature from the end of the Civil War through the 20th century.. Students will understand literary movements within artistic and historical contexts through selected essays, novels, poetry, and short stories. Student will continue to develop critical writing skills through thesis-driven compositions. Students will also study grammar, syntax, usage, and MLA formatting to improve writing and research skills.</p>		

ADVANCED PLACEMENT ENGLISH (AP Language and Composition)	AP ENG LANG	Credits 1.0
Prerequisite: Teacher recommendation; a minimum B average in Honors English 10 or an A-average in Advanced English 9		
<p>The AP English Language and Composition 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 and fiction, including graphic images as forms of text, from many disciplines and historical periods. The syllabus follows the College Board AP curriculum.</p>		

HONORS ENGLISH 11: Honors Academy (11)	H ENG 11	Credits 1.0
Prerequisite: Acceptance into Honors Academy; concurrent enrollment in AP Seminar		
<p>This class is designed for students who have been accepted in the Honors Academy and are therefore highly motivated, self-directed students with above average abilities in grammar, composition, and reading. The content of the course is similar to Advanced English 11, but is studied at an accelerated pace. In addition, it includes advanced coverage of reading comprehension, grammar skills, and composition techniques. Analysis, synthesis, critical thinking, and application will be stressed. This class also supports the reading, writing, and critical thinking skills necessary for success in AP Seminar.</p>		

ADVANCED ENGLISH 12 (British Literature)	ADV ENG 12	Credits 1.0
Prerequisite: Teacher recommendation; meets academic criteria		
<p>This course surveys selections from the Anglo-Saxon period to the present. Students will understand literary terms and concepts specific to different literary periods. This course stresses both formal and informal writing, with emphasis on the thesis-driven, critical essay. Students will review grammatical and mechanical problems, particularly in the context of writing. Students will also review MLA style and write a number of cited essays and a major research paper on a literary topic. Vocabulary is taken from literary selections, as well as from the vocabulary book.</p>		

ADVANCED PLACEMENT ENGLISH 12 (AP Literature and Composition)	AP ENG LIT	Credits 1.0
Prerequisite: Teacher recommendation; a minimum B average in AP Language and Composition or an A- average in Advanced English 11		
<p>The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The syllabus follows the College Board AP curriculum.</p>		

ENGLISH ELECTIVES

MYTHOLOGY (10, 11, 12)	MYTHOLOGY	Credits 0.5
Prerequisite: None		
<p>Beginning with traditional Greek and Roman mythology, this course focuses on the different mythologies of Egyptian, Norse, Arthurian, and other cultures. Students will learn about the major gods and goddesses of each culture, as well as the role the mythology played in the everyday life of the people.</p>		

JOURNALISM (10, 11, 12)	JOURNALISM	Credits 1.0
Prerequisite: Recommendation of instructor		

This course is designed to introduce students to all aspects of journalism. Students learn to write news articles, feature stories, sports stories, editorials, and creative articles. Additionally, students learn layout, graphic design concepts, and photography as part of the production process. All work in this class focuses around the production of the school's newspaper, *The Cavalier*.

CREATIVE WRITING (10, 11, 12)

CR WRITING

Credits 0.5**Prerequisite: Recommendation of instructor**

This course is designed to foster creative thinking and writing. Students read and evaluate various selections from well-known authors to gain perspective about writing styles and techniques. Poetry, short stories, personal narratives, essays, and reviews are covered each semester. Students are expected to produce a number of literary pieces and projects to create a portfolio of their creative writing. Members of the class who help with the production of the literary magazine, *The Looking Glass*, also learn publications skills such as editing, critiquing, design, and layout.

HONORS CREATIVE WRITING (11-12)

HON CR WRITING

Credits 0.5**Prerequisite: An 'A' in Creative Writing**

This course is designed for students who have completed Creative Writing and want to further their writing skills. This Honors-level course challenges students to produce works that demonstrate higher level writing through a variety of genres and techniques. Honors level students are expected to employ an independent approach in their choice of writing topics, forms of creative writing, and types of writing strategies. Students in this course will also lead the class in organizing and producing the literary magazine, *The Looking Glass*, and will serve in various editorial positions to complete the annual issue, distributed during the second semester of each school year.

MATHEMATICS**ALGEBRA I (9)**

ALG I

Credits 1.0**Prerequisite: None**

This academic level course is a formal in-depth study of algebraic concepts and the real number system. In this course students develop understanding of algebraic properties and operations. Topics include solutions of equations and inequalities, operations with polynomials and functions, graphing linear equations, and operations with rational and radical expressions. Students in the academic level course will also receive support through online programs and materials.

ADVANCED ALGEBRA I (9)

ADV ALG I

Credits 1.0**Prerequisite: Meets academic requirements**

Advanced Algebra I is a formal in-depth study of algebraic concepts and the real number system. In this course students develop a greater understanding of algebraic properties and operations. Topics include, but are not limited to: solutions of equations and inequalities, operations with polynomials and

functions, graphing linear equations and inequalities, and operations with rational and radical expressions.

HONORS ALGEBRA I (9)

H ALG I

Credits 1.0

Prerequisite: Meets academic requirements through 8th grade placement test

The content of this honors level course is similar to Advanced Algebra I, but is studied with increased rigor at an accelerated pace. Students should be highly motivated and demonstrate above average abilities in algebraic operations.

GEOMETRY (10)

GEOM

Credits 1.0

Prerequisite: Alg. I

This academic level course allows students to develop understanding of geometrical relationships through a systematic approach to Euclidean geometry. Topics include congruence, similarity, polygons, areas, ratio and proportion, with emphasis on problem solving. Coordinate geometry is an integral part of this course. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.

ADVANCED GEOMETRY (9, 10)

ADV GEOM

Credits 1.0

Prerequisite: Advanced Alg. I

This course allows students to develop understanding of geometrical relationships through a systematic approach to Euclidean geometry. Topics include congruence, similarity, polygons, areas, ratio and proportion, with emphasis on problem solving. Coordinate geometry is an integral part of this course.

HONORS GEOMETRY (9, 10)

H GEOM

Credits 1.0

Prerequisite: Honors Alg. I; meets academic criteria

The content of this honors level course is similar to Advanced Geometry, but is studied with increased rigor at an accelerated pace. Students should be highly motivated and demonstrate above average abilities in math. In addition to topics covered in Advanced Geometry, deductive proofs are an integral part of this course.

ALGEBRA II (11)

ALG II

Credits 1.0

Prerequisite: Meets academic requirements

This academic level course is designed to extend students' algebraic knowledge and skills. Students will solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of the subject matter. To help students appreciate the power of algebra, applications involving real-life situations are incorporated throughout the course. Some topics covered include operations with real and complex numbers, advanced graphing, functions, systems of equations, exponents, and conic sections. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.

ADVANCED ALGEBRA II (10, 11)	ADV ALG II	Credits 1.0
Prerequisite: Advanced Alg. I and Advanced Geometry		
<p>This course is designed to extend students' algebraic knowledge and skills. Students will solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of the subject matter. To help students appreciate the power of algebra, applications involving real-life situations are incorporated throughout the course. Topics include operations with real and complex numbers, advanced graphing, functions, systems of equations, exponents, logarithms, matrices and conic sections.</p>		

HONORS ALGEBRA II (10,11)	H ALG II	Credits 1.0
Prerequisite: Honors Alg. I and Honors Geometry; teacher recommendation		
<p>The content of this honors level course is similar to Advanced Algebra II, but is studied with increased rigor at an accelerated pace. Students should be highly motivated and demonstrate above average abilities in algebraic operations. In addition to topics in the Advanced level course, students will be introduced to Trigonometry.</p>		

ADVANCED PRE-CALCULUS (11, 12)	PreCAL	Credits 1.0
Prerequisite: Advanced Alg. II and Advanced Geometry; meets academic criteria		
<p>This course is designed for the highly motivated college-bound student with a strong background in mathematics. It combines the geometric and algebraic techniques needed to prepare students for the study of Calculus. The course offers an in-depth study of functions (polynomial, rational, exponential, logarithmic, and trigonometric) and their inverses. Additional topics include limits, sequences and series, analytic geometry, and probability.</p>		

HONORS PRE-CALCULUS (11, 12)	H PreCAL	Credits 1.0
Prerequisite: Advanced Alg. II and Advanced Geometry; meets academic criteria		
<p>This course is a rigorous study of the complex number system and is designed to prepare students for Calculus. It demonstrates the relevance of polynomial and rational functions in Advanced Algebra. The course also includes an in-depth study of trigonometry and logarithmic functions. Students will be introduced to certain calculus subjects such as limits and derivatives. Increased rigor and pace are critical components of the honors math course.</p>		

ALGEBRA WITH FINANCE (12)	ALG FINANCE	Credits 1.0
Prerequisite: Alg. II		
<p>This academic level course is designed for students who have completed Algebra II and require another year of mathematics to prepare them for college-bearing mathematics courses. Coverage includes a strong review of basic algebra formulas with variables, equations, inequalities, functions, systems of equations, polynomials, exponents, and logarithms. Real-world problems in investing, Credits, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics.</p>		

ADVANCED ALGEBRA WITH FINANCE (11, 12)	ADV ALG FIN	Credits 1.0
Prerequisite: Alg. II		
<p>This course is designed for students who have completed Algebra II and require another year of mathematics to prepare them for college-bearing mathematics courses. Coverage includes a strong review of basic algebra formulas with variables, equations, inequalities, functions, systems of equations, polynomials, exponents, and logarithms. Real-world problems in investing, Credits, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics.</p>		

ADVANCED CALCULUS (12)	CALCULUS	Credits 1.0
Prerequisite: Pre-Calculus; meets academic criteria		
<p>This course is an introduction to differential and integral calculus, similar to a standard first semester college course in calculus. Topics include limits, continuity, differential calculus, polygonal approximation of area, definite and indefinite integration, differential equations, and applications of integral calculus.</p>		

ADVANCED PLACEMENT CALCULUS (12)	AP CALC	Credits 1.0
Prerequisite: Pre-Calculus; meets academic criteria; teacher recommendation		
<p>AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The syllabus follows the College Board AP curriculum.</p>		

MATH ELECTIVES

HONORS STATISTICS (11, 12)	H STAT	Credits 1.0
Prerequisite: Honors Alg. II or Advanced Alg. II		
<p>This course teaches students to analyze data in an objective manner and understand what inferences (if any) can be drawn from data. The course will be run as an honors-level elective. It can be taken as a terminal course for those seniors who have completed Pre-calculus or to juniors or seniors concurrently taking Pre-calculus or Honors Pre-calculus.</p>		

SCIENCE

BIOLOGY (9)	BIO	Credits 1.0
Prerequisite: None		

This academic level course is a laboratory science course that focuses on the study of life by examining five fundamental concepts: basic organic chemistry, bio-chemistry, an in-depth study of cellular biology, foundations of genetics, and a survey of animal diversity. All critical science skills used department-wide are developed, and practiced throughout the year. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.

ADVANCED BIOLOGY (9)	ADV BIO	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This one year laboratory science course focuses on the study of life by examining five fundamental concepts: basic organic chemistry, bio-chemistry, an in-depth study of cellular biology, foundations of genetics, and a survey of animal diversity. All critical science skills used department-wide are developed, and practiced throughout the year. The science inquiry method is used to allow all students the opportunity to build their own knowledge base.</p>		

PRE-ADVANCED PLACEMENT (PRE-AP) BIOLOGY (9)	PreAP BIO	Credits 1.0
Prerequisite: Meets academic criteria		
<p>The course includes study of the following concepts: basic biochemistry, cytology, genetics, and a survey of the six kingdoms of living things. Students develop laboratory skills and techniques through discovery-oriented experiments. The course content is similar to that of regular biology, but moves at an accelerated pace for a more in-depth study of the concepts. Students need to be able to use creativity, inductive and deductive reasoning skills, and intellectual maturity to solve problems.</p>		

PHYSICAL SCIENCE (10)	PHYS SCI	Credits 1.0
Prerequisite: Biology		
<p>This academic level course presents the basic concepts of physics and chemistry. Topics include mechanics of moving objects, energy, light, sound, electricity, solutions, and types of reactions. Inquiry based methods will be used in the lab to apply concepts from class. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.</p>		

ADVANCED CHEMISTRY (10, 11)	ADV CHEM	Credits 1.0
Prerequisite: Biology		
<p>This course explores the relationship between matter and energy. Students will learn about principles and theories of chemistry and how they relate to the importance of chemistry in our everyday lives. Laboratory work and problem-solving are used in this course to reinforce concepts and develop critical thinking skills.</p>		

PRE-ADVANCED PLACEMENT (PRE-AP) CHEMISTRY (10, 11)	PreAP CHEM	Credits 1.0
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Prerequisite: Biology

This honors level course allows students the opportunity to experience in-depth exploration of the relationship between energy and matter. Students will be introduced to chemistry concepts through lecture, and critical thinking skills will be improved through experiments and problem-solving. Students will be given the opportunity to participate in cooperative learning through laboratory work designed to reinforce course concepts. This course is designed to prepare students for entry into the AP Chemistry course, and many of the labs fulfill the AP Chemistry requirements.

ADVANCED PLACEMENT (AP) CHEMISTRY (11, 12)

AP CHEM

Credits 1.5**Prerequisite: Completion of Chemistry or Pre-AP Chemistry; recommendation of AP Chemistry instructor**

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities. The syllabus follows the College Board AP curriculum.

ENVIRONMENTAL SCIENCE (11, 12)

ENV SCI

Credits 1.0**Prerequisite: Biology**

This hands-on course permits students to reinforce and refine their science knowledge and skills, as well as to aid their understanding of the relationship between ecological science and society. Areas of study may include the earth science branches of ecology, meteorology, geology and energy. The course also builds upon previous knowledge in biology and physical science. Some chemistry and human physiology will be presented.

ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE (11, 12)

AP ES

Credits 1.5**Prerequisite: Pre-AP Biology, Pre-AP Chemistry, or recommendation of instructor**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies that are required for them to understand the interrelationships of the natural world. The course helps students to identify and analyze environmental problems both natural and human-induced, to assess the relative risks associated with these problems, and to evaluate alternative solutions for resolving or preventing them. The scientific process is heavily emphasized in this course, and students should expect to use time both on and off campus to complete laboratory and fieldwork investigations. This course is interdisciplinary and embraces a wide variety of topics from different areas of study, including biology, geography, chemistry, economics, political science, and ethics.

HUMAN ANATOMY AND PHYSIOLOGY (11, 12)

ANAT/PHYSIO

Credits 1.0**Prerequisite: Biology**

This course presents a basic knowledge about the structure and function of cells, organs, and organ systems necessary to understand how the human body is maintained. Laboratory work is used to support classroom concepts and to extend theory into practical application. Dissections are required and includes dissection of preserved specimens and use of microscopes for histological study, as well as physical activities that demonstrate the workings of the human body. This course meets the standards included in Alabama's Health course of study.

ADVANCED PLACEMENT (AP) BIOLOGY (11, 12)

AP BIO

Credits 1.5

Prerequisite: Final grade of at least a B in Biology and Chemistry and recommendation of AP Biology Instructor

This course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

ADVANCED PHYSICS (11, 12)

ADV PHYSICS

Credits 1.0

Prerequisite: Advanced Algebra II or higher

This course is designed to offer students knowledge of the basic laws and principles of physics; it is a first year course, which consists of several closely interconnected units of study including time, space, matter, motion, light, and electricity. These concepts are developed through laboratory analysis and exploration.

ADVANCED PLACEMENT (AP) PHYSICS I (11, 12)

AP PHYS I

Credits 0.75

Prerequisite: Algebra II; OR recommendation of Math and Physics instructors

This is an algebra-based physics course and is the equivalent to a first-semester college course. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. Electric circuits are introduced. This course emphasizes applying physics knowledge to the practice of scientific inquiry and reasoning. Inquiry-based learning is emphasized with twenty-five percent of class time devoted to laboratory investigations. The syllabus follows the College Board AP curriculum.

ADVANCED PLACEMENT (AP) PHYSICS II (11, 12)

AP PHYS II

Credits 0.75

Prerequisite: Completed Algebra II; Completed AP Physics I; OR completed Advanced Physics with a grade of an A and recommendation of AP Physics instructor

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore 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. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that

provide students with opportunities to apply the science practices. The syllabus follows the College Board AP curriculum.

SCIENCE ELECTIVES

STEM RESEARCH (10, 11, 12)	STEM	Credits 0.5
Prerequisite: Meets academic criteria		
<p>This course offers students the opportunity to pursue inquiry in Science, Technology, Engineering, and Math beyond the degree offered in regular coursework. The course will build upon students' knowledge and personal interest in the sciences and allow for independent research projects and participation in competitions. Student research will be supported by the STEM teacher or outside expert mentors. Grades for this course will be determined on a Pass/Fail basis by the students' effective performance in the course activities. The ideal S.T.E.M. student is self-motivated, has set goals and priorities, and is able to work independently.</p>		

ROBOTICS (9, 10, 11, 12)	ROBOTICS	Credits 0.5
Prerequisite: Meets academic criteria		
<p>This course in robotics utilizes a variety of materials, including Lego Mindstorm kits, Robolab software and the VEX platform, to introduce beginning students to basic programming and problem solving strategies, and to further develop these skills in more advanced students. This course involves students in the development, building and programming of various projects, including a robot for competition in the BEST tournament. Students will work hands-on in teams to design, build, program and document their progress. Some topics covered may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems.</p>		

SENIOR DESIGN (12)	SR DESIGN	Credits 1.0
Prerequisite: Engineering Academy		
<p>The senior design course is the capstone of the Engineering Academy program, taken as a full-year course during a student's senior year. Students are grouped into teams and work together on a client-based project. The projects assigned to the students are those that would normally be assigned to a college-level engineering intern. Teams do background investigations, propose designs and/or modifications, conduct feasibility studies, and may even build or modify a space or a piece of equipment. An initial project proposal is required, as well as a final report detailing the results of the project which is submitted to the client and a faculty panel. Throughout the semester, status report presentations are given, as well as a final presentation at the end of the semester.</p>		

SOCIAL SCIENCES

WORLD HISTORY (9)	WLD HY	Credits 1.0
Prerequisite: None		
<p>This academic level course is a survey of world history from 1500 to the present that analyzes civilizations in Europe, Asia, Africa, and the Americas. Students will gain an appreciation of global interdependence among a wide variety of cultures. Students in the academic level course will improve reading comprehension skills and receive support through online programs and materials.</p>		
ADVANCED WORLD HISTORY (9)	ADV WLD HY	Credits 1.0
Prerequisite: None		
<p>This course is a survey of world history from 1500 to the present that analyzes civilizations in Europe, Asia, Africa, and the Americas. Students will gain an appreciation of global interdependence among a wide variety of cultures. Students will expand their knowledge of geographic concepts and primary source analysis.</p>		
HONORS WORLD HISTORY (9)	H WLD HY	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This course is designed for highly motivated, self-directed students with above average reading comprehension and analytical skills. The content of the course is similar to Advanced World History 9, but is studied at an accelerated pace. In addition, frequent analysis of primary sources and advanced essay writing are integral components.</p>		
U.S. HISTORY TO 1877 (10)	US HY 1	Credits 1.0
Prerequisite: Meets academic criteria		
<p>This academic level course covers the historic development of America from the Age of Exploration through Reconstruction. Students learn the origins of ideals and institutions of America and consider the political, social, military, and economic forces that have shaped the country. Emphasis will be placed on the pluralistic traditions of U.S., which includes contributions by diverse cultural populations. Academic level classes are small and provide specific instruction and attention to accommodate learning needs.</p>		
ADVANCED U.S. HISTORY TO 1877 (10)	ADV US HY 1	Credits 1.0
Prerequisite: Teacher recommendation; meets academic criteria		

This course covers the historic development of America from the Age of Exploration through Reconstruction. Students learn the origins of ideals and institutions of America and consider the political, social, military, and economic forces that have shaped the country. Emphasis will be placed on the pluralistic traditions of U.S., which includes contributions by diverse cultural populations. Students will engage in chronological thinking and historical analysis and interpretation.

ADVANCED PLACEMENT (AP) EUROPEAN HISTORY (10)

AP EURO HY

Credits 1.0**Prerequisite: Teacher recommendation; meets academic criteria**

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course allows students to investigate the content of European history for significant events, individuals, developments, and processes in four historical periods. Students develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places. The syllabus follows the College Board AP curriculum.

ADVANCED U.S. HISTORY 1877 TO PRESENT (11)

ADV US HY 2

Credits 1.0**Prerequisite: Teacher recommendation; meets academic criteria**

This course provides a survey of American events, issues, and movements from 1877 to the present day. Students learn the origins of ideals and institutions of America and consider the political, social, military, and economic forces that have shaped the country. Emphasis will be placed on the pluralistic traditions of U.S., which includes contributions by diverse cultural populations. Students will engage in chronological thinking and historical analysis and interpretation.

ADVANCED PLACEMENT (AP) U.S. HISTORY (11)

AP US HY

Credits 1.0**Prerequisite: Teacher recommendation; meets academic criteria**

The AP U.S. History course focuses on the development of historical thinking skills and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance — American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. The syllabus follows the College Board AP curriculum.

ADVANCED ECONOMICS (12)

ADV ECON

Credits 0.5**Prerequisite: Teacher recommendation; meets academic criteria**

This is a semester long course that includes an examination of current economic trends and theory with emphasis on national economics. Students also study the ideas of major economists and systems other than capitalism.

ADVANCED PLACEMENT (AP) MICROECONOMICS (12)	AP ECON	Credits 0.5
Prerequisite: Teacher recommendation; meets academic criteria		
<p>This is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The syllabus follows the College Board AP curriculum.</p>		

ADVANCED US GOVERNMENT (12)	ADV GOVT	Credits 0.5
Prerequisite: None		
<p>This semester-long course deals with the understanding of democracy as it has developed in the United States. Students will explore and understand different historical contexts, the Constitution, the functions of the three branches of government, political party practices, and civil rights.</p>		

ADVANCED PLACEMENT (AP) US GOVERNMENT & POLITICS (12)	AP US GOV	Credits 0.5
Prerequisite: Teacher recommendation; meets academic criteria		
<p>This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. The advanced placement course is distinguished from the regular course by the increased opportunity for supplemental reading, interpretation of primary sources, development of writing skills, and more intensive and extensive classroom discussion. The syllabus follows the College Board AP curriculum.</p>		

SOCIAL SCIENCES ELECTIVES

HONORS HOLOCAUST STUDIES (10, 11, 12)	H HOLOCAUST	Credits 0.5
Prerequisite: 3.0 GPA or permission of the instructor		
<p>This course examines the origins, nature, and meaning of the Holocaust. Class readings, discussion, and written assignments focus on: the history and nature of anti-Semitism and its role in the rise of Hitler and the Nazis; the reality of the Third Reich and its racial persecution; Nazi implementation of the Final Solution during World War II; the Jewish experience of war, ghettos, and death camps; Jewish resistance and survival during the Holocaust.</p>		

ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY (10-12)	AP GEOG	Credits 0.5
Prerequisite: Teacher recommendation		
<p>The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012) and is approved by the College Board.</p>		

GENERAL LAW (11, 12)	GEN LAW	Credits 0.5
Prerequisite: None		
<p>This course is designed to help students develop a better understanding of criminal and business law. The course focuses on both the substance and the process of our legal system and reflects many social and ethical issues. In addition, the course has great practical value, allowing students to understand rhetorical and argumentative approaches associated with courtroom processes.</p>		

THEOLOGY

INTRODUCTION TO THEOLOGY (9)	INTRO THEO	Credits 1.0
Prerequisite: None		
<p>This course introduces students to theological studies, particularly pertaining to the Catholic faith. Students will understand basic Catholic beliefs, history, and rationale, and learn how to read the Bible from a Catholic theological perspective. Students are also introduced to Christology--the study of the person, nature, and role of Christ. Additionally, students learn how to apply the Good News to their lives through learning about prayer and the Theology of the Body. The course material is guided by the US Council of Catholic Bishops' Curriculum Framework.</p>		

PASCHAL MYSTERY (10)	PASCHAL MYST	Credits 0.5
Prerequisite: None		
<p>This course is the first semester of Sophomore Theology. Paschal Mystery is one of the central concepts of Catholic faith relating to the history of salvation. Its main subject is the passion, death, and Resurrection of Jesus Christ. Students will deepen their understanding of redemption and their relationship with Christ through course content, discussion, and personal reflection. Additionally, students learn how to apply the Good News to their lives through learning about prayer and the Theology of the Body. The course material is guided by the US Council of Catholic Bishop's Curriculum Framework.</p>		

ECCLESIOLOGY (10)	ECCLES	Credits 0.5
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Prerequisite: None
This course represents the second semester of Sophomore Theology and looks at the history and structure of the Church as a manifestation of Jesus Christ's mission in the world today. Students will study how the Church was founded by Christ through the Apostles and how it is sustained through the Holy Spirit. Students will understand the role they play in the Church today through course content, discussion, and personal reflection. The course material is guided by the US Council of Catholic Bishop's Curriculum Framework.

SACRAMENTS (11)	SACRAMENTS	Credits 0.5
Prerequisite: None		
This course represents the first semester of Junior Theology. The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail in order to learn how they may encounter Christ throughout life. The course material is guided by the US Council of Catholic Bishop's Curriculum Framework.		

MORALITY (11)	MORALITY	Credits 0.5
Prerequisite: None		
This course represents the second semester of Junior Theology and contains the more complex theological tenets of the Catholic Faith. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples. With particular emphasis on the <i>Catechism of the Catholic Church</i> , course materials provide the foundation necessary to live a moral life and to pursue advanced theological studies.		

SOCIAL JUSTICE (12)	SOC JUST	Credits 0.5
Prerequisite: None		
This Senior-level course provides a culminating point for students' religious studies at John Carroll, as well as for their spiritual and moral development. The course goes in depth to our call and subsequent response as active Catholic Christians in the world. Students will study and discuss the Social Teaching of the Catholic Church, based on the themes that include: the dignity of the human person, respect for all, the call to participation through family and the community, the common good, rights and responsibilities, solidarity, preferential option for the poor, and stewardship of creation. The course looks specifically at issues such as rights of the unborn, euthanasia, capital punishment, pacifism and the Just War tradition, racism, and immigration on a global, national, and local level.		

BIOETHICS (12)	BIOETHICS	Credits 0.5
Prerequisite: None		
This Senior-level course presents guiding principles in ethics and applies them to scenarios in the fields of science and medicine. Students will read and analyze related Church documents and apply ethical principles to contemporary topics such as contraception, abortion, euthanasia, and artificial reproduction. Students will examine the arguments and logic on both sides of the issues in order to develop a deep, moral understanding of the topics.		

VOCATIONS (12)	VOCATIONS	Credits 0.5
Prerequisite: None		
<p>This Senior-level course focuses on the Catholic concept of vocation: how Christ calls us to live. The first half of the course will be spent studying the universal call to holiness and how to respond to this call in everyday life. The second half of the course will be spent studying how to discern and live in the various states of life in the Church: the lay state, the priesthood, or religious life. Students will reflect on related Church documents and other spiritual writings in order to respond more intelligently and faithfully to God's call in their own lives. The course material is guided by the US Council of Catholic Bishop's Curriculum Framework.</p>		

CATHOLIC FAITH AND CULTURE (12)	CATH CULTURE	Credits 0.5
Prerequisite: None		
<p>This Senior-level course looks at the transcendentals of Truth, Beauty, and Goodness as reflected in the artwork, music, film, and writings of Catholics and non-Catholics throughout history. This course will examine the transcendentals as expressed through the four main themes of the Catechism: The Creed, Sacraments and Liturgy, Morality, and Prayer.</p>		

PHILOSOPHY AND LOGIC (12)	PHIL/LOGIC	Credits 0.5
Prerequisite: None		
<p>This Senior-level course introduces students to fundamental concepts and processes in philosophy and logic. The course will explore the history of philosophical thought, beginning with classical Greek philosophy and moving to its application to law and government in modern society. Students will also study logic and learn how to differentiate between effective and fallible arguments. By the end of this course, students should be able to apply this logical thought to their understanding of the Catholic faith.</p>		

WORLD RELIGIONS (12)	WLD REL	Credits 0.5
Prerequisite: None		
<p>This Senior-level course helps students understand the manner in which the Catholic Church relates to other Christian and non-Christian religions of the world. Through comparative study, students will understand different belief systems and practices, and they will recognize ways in which important spiritual truths are reflected in religions throughout the world. Finally, this course examines questions of philosophy of religion and evaluates possible answers to the most profound questions of life related to truth, happiness, and salvation.</p>		

THEOLOGY ELECTIVES

CAMPUS MINISTRY I (11)	CMPS MIN I	Credits 1.0
Prerequisite: Application		
<p>This course trains students to be leaders in their school community. Students will develop skills such as team building, active listening, effective communication, self-awareness, and understanding human</p>		

behavior. This course allows students to deepen their understanding of Catholic identity as it relates to the Mass and social issues. Students in Campus Ministry I have the opportunity to lead underclass retreats and lead various programs relating to the spiritual life of the school.

CAMPUS MINISTRY II (12)	CMPS MIN II	Credits 1.0
Prerequisite: Campus Ministry I; application, approval of instructor		
<p>This course builds on the knowledge and experience gained in Campus Ministry I and allows students to step fully into being spiritual leaders of the school. Students will serve their peers and community through retreats, liturgies, and other events in the faith life of the school. Hand in hand with these leadership roles, the course will include a study of topics including: Christ-like behavior, personal growth, leadership, prayer, liturgy, retreats, communication, problem-solving, group dynamics, and Catholic social service.</p>		

SOCIAL JUSTICE ACADEMY (10, 11, 12)	SOCIAL JUSTICE ACADEMY	Credits 1.0
Prerequisite: acceptance in Social Justice Academy		
<p>The Social Justice Academy provides students with the opportunity to delve more deeply into the rich tradition of Catholic Social Teaching through study and action. Students will be intellectually formed to understand what distinguishes the Catholic pursuit of justice from its secular counterparts, and then will put this Catholic approach into action. Through study, discussion, and action students will find new ways to understand injustice that affects our local community, our state, our nation, and our world. Together, we will work to educate and engage the students at our school with the issues that disrupt the dignity of our neighbors. This course runs on a three year cycle.</p>		

MODERN AND CLASSICAL LANGUAGES

SPANISH I/FRENCH I (9-12)	SPAN I FRENCH I	Credits 1.0
Prerequisite: None		
<p>This course introduces students to the basics of the target language: vocabulary, grammar, and appropriate pronunciation. Students develop listening, speaking, reading, and writing skills. In addition to vocabulary and usage, students will be exposed to world culture through music, style, and characteristics unique to the people and countries that speak the language being studied. The course emphasizes proficiency in the spoken language and the target culture.</p>		

LATIN I (9-12)	LATIN I	Credits 1.0
Prerequisite: None		

Latin I introduces students to the language of the Ancient Romans, of European learning and scholarship until the 17th century, and the official language of the Catholic Church to this day. Students will learn vocabulary and syntax in the context of readings based on Classical and Christian authors. Along the way, students will also build their English vocabulary through Latin derivatives and common Latin mottoes and abbreviations. In addition to language study, students will also learn about Greek and Roman mythology, Roman history, and daily life in the ancient world.

SPANISH II/FRENCH II (9-12)	SPAN II FRENCH II	Credits 1.0
Prerequisite: C minimum in Adv. Spanish I/French I		
These courses build on the foundation of vocabulary, grammar, listening, reading, and writing skills learned in level I. More advanced vocabulary and grammar are introduced, and classroom use of the target language increases. Students' use of the language and comprehension is emphasized. Students continue to learn about the culture of the Spanish-speaking or Francophone world.		

HONORS SPANISH II/FRENCH II (9-12)	H SPAN II H FR II	Credits 1.0
Prerequisite: B+ in level I language course; recommendation of instructor		
The content of these courses is similar to the Advanced level, but the courses are designed for highly motivated students with appropriate proficiency in the target language. Speaking, reading, and writing development will be assessed on a higher level of proficiency		

LATIN II (10-12)	LATIN II	Credits 1.0
Prerequisite: C minimum in Latin I; recommendation of teacher		
Latin II continues the study of Latin through readings based on Classical and Christian authors spanning the Late Roman Empire, the Middle Ages, Renaissance, Reformation, Age of Discovery, and Scientific Revolution. In addition to language study, students will also learn about the history and culture of the different European peoples who spoke and wrote Latin across millennia.		

HONORS LATIN II (10-12)	H LAT II	Credits 1.0
Prerequisite: B+ in Latin I; recommendation of teacher		
The content of this courses is similar to the Advanced level, but the course is designed for highly motivated students with above average proficiency in Latin. Speaking, reading, and translating will be covered at an accelerated pace.		

SPANISH III/FRENCH III (10, 11, 12)	SPAN III FRENCH III	Credits 1.0
Prerequisite: C minimum in level II language course; recommendation of teacher		

These courses are taught primarily in the target language. Students will learn advanced grammar topics and further develop listening, speaking, reading, and writing skills. The courses emphasize the continued comparison of cultures in the Spanish-speaking or Francophone world and include a sampling of French or Spanish literature, music, and film.

HONORS SPANISH III/FRENCH III (10, 11, 12)	H SPAN III H FR III	Credits 1.0
Prerequisite: B+ in level II language course; recommendation of teacher		
The content of these courses is similar to the Advanced level, but the courses are designed for highly motivated students with appropriate proficiency in the target language. Speaking, reading, and writing development will be assessed on a higher level of proficiency.		

LATIN III (10, 11, 12)	LATIN III	Credits 1.0
Prerequisite: C minimum in Latin II; recommendation of teacher		
Latin III transitions from a historical survey of Latin literature to unadapted passages of Classical Latin authors such as Caesar, Cicero, Virgil, Horace, and Ovid. Through close readings and careful analysis of syntax, style, theme, and rhetoric, the course provides a strong foundation for success in AP Latin.		

HONORS LATIN III (10, 11, 12)	H LAT III	Credits 1.0
Prerequisite: B+ in Latin II; recommendation of teacher		
The content of this courses is similar to the Advanced level, but the course is designed for highly motivated students with above average proficiency in Latin. Speaking, reading, and translating will be covered at an accelerated pace.		

HONORS SPANISH IV (10, 11, 12)	H SPAN IV	Credits 1.0
Prerequisite: B+ in Spanish III; recommendation of teacher		
This literature-based course, conducted in Spanish, focuses on the three modes of communication: interpersonal, interpretive, and presentational. Students taking this course should be self-disciplined and independent. Students will increase fluency through conversation, composition, and film. Students are expected to use Spanish as the only mode of communication.		

ADVANCED PLACEMENT (AP) SPANISH (11-12)	AP SPAN	Credits 1.0
Prerequisite: B+ in Spanish III; recommendation of teacher		

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control (not an overemphasis on grammatical accuracy), communication strategies, and cultural awareness. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts by developing students' awareness and appreciation of cultural products, practices, and perspectives. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The syllabus is approved by the College Board.

ADVANCED PLACEMENT (AP) FRENCH (11-12)

AP FREN

Credits 1.0**Prerequisite: B+ in French III; recommendation of teacher**

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control (not an overemphasis on grammatical accuracy), communication strategies, and cultural awareness. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts by developing students' awareness and appreciation of cultural products, practices, and perspectives. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The syllabus is approved by the College Board.

ADVANCED PLACEMENT (AP) LATIN (12)

AP LATIN

Credits 1.0**Prerequisite: B+ in Latin III; recommendation of teacher**

The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. The syllabus follows the College Board AP curriculum.

FINE ARTS

VISUAL ARTS

Updated 8/07/18

Students in all visual arts classes will engage in projects designed to promote and reinforce each individual student's God-given talents and artistic gifts. The universal theme of each course will be for students to gain an understanding of God's presence in what is true, good, and beautiful. Students should see that the role of every artist is to bring these things to the forefront of the human consciousness. Art classes are intended to be sequential. Scheduling variance from the usual numerical sequence is only at the discretion of the art instructor.

ART I (9-12)	ART I	Credits 0.5
Prerequisite: None		
This semester-long course introduces students to the primary elements and principles of art and design through different two- and three-dimensional media. Students will engage in projects planned to provide a foundational knowledge in the areas of art history, artistic techniques, and major masters' works. Students will acquire a vocabulary that allows them to speak knowledgeably about their own work and art in the world.		

ART II (10, 11, 12)	ART II	Credits 0.5
Prerequisite: Art I		
This semester-long course builds upon the basic skills and knowledge covered in Art I. Students will study the masters and their work examination of artistic movements and periods. Students will deepen their acquired skills and techniques through studio projects, which emulate the techniques used by the masters. Through two- and three-dimensional projects students will work with pencil sketches, ink drawings, clay, and watercolor.		

ART III (10, 11, 12)	ART III	Credits 1.0
Prerequisite: Art II or instructor permission		
ART III is a year-long course that develops a deeper understanding of the elements and principles of design through individual and more sophisticated aesthetic problem solving. Projects will include exercises in still life and figure drawing in various media. Students will explore the use of several media including graphite, charcoal, pen and ink, oil and chalk pastels, Prismacolor/color pencil, water color, and acrylic paint. Students will also master the process of creating three dimensional design in various mediums based on their own original two dimensional designs. Students will enter into the process of class critiques, allowing students to use the vocabulary and knowledge gained in Art I and Art II to analyse and discuss art with competence and authority.		

HONORS ART IV (10, 11, 12)	H ART IV	Credits 1.0
Prerequisite: Art III or instructor permission		
This course is intended to challenge college-bound students. Assignments will include studio projects that promote critical thinking and problem solving in the field of art, as well as written work that focuses on art history. Problem-solving in this class will involve: preliminary sketches for each assignment; research based upon the direction each student intends to take in the process of solving the problem; and finally, a personal solution to the problem assigned. Class critique skills learned in Art III are integral components. The process will allow students to gain important knowledge of how their own		

artwork is perceived, while giving insight and encouragement to fellow classmates. Upon completion of the course, students should have a body of work suitable to use for entrance to a college, university, or school of art.

GRAPHIC DESIGN (10, 11, 12)	GR DESIGN	Credits 0.5
Prerequisite: Art I, Computer Applications		
<p>In this course students learn basic principles and practices of graphic design and how to create art, graphics, and images. Students will become familiar with software such as Photoshop, Illustrator, and InDesign. Students complete at least 4 major projects per semester, including: logo design, photo realistic art projects, poster design, business collateral design, and brochure design. This course meets the standards included in Alabama's Career and Technical Education (CTE) course of study.</p>		

CHOIR

CAVALIER CHORUS (9-12)	CONCERT CHOIR	Credits 0.5 or 1.0
Prerequisite: None		
<p>This chorus functions as the training ground for young students who want to further their musicianship skills. Foundations are laid for sight-singing and music theory. Students will develop skills in team building, confidence, and performance practices. Students participating in this ensemble may participate in other choirs if they meet requirements.</p>		

BELLA VOCE (10, 11, 12)	BELLE VOCE	Credits 1.0
Prerequisite: Audition with instructor		
<p>The Bella Voce Women's Ensemble continues the development of the human voice and musicianship skills beyond La Bella Voix. The purpose of this class is to create an inviting and safe environment in which young women can share musical excellence, build confidence, and gain perspective about the world through the art of music. This class will address the issues of the female changing voice and work to improve range and flexibility, as well as musical theory and sight-reading skills. Bella Voce competes at the state level.</p>		

JOHN CARROLL SINGERS (10, 11, 12)	JC SINGERS	Credits 1.0
Prerequisite: Audition with instructor		
<p>The John Carroll Singers (JC Singers) are a top tier performing ensemble at John Carroll. This choir holds the greatest amount of tradition at John Carroll and holds itself to a very high musical caliber. Students must have a strong foundation in sight-singing and music theory and an A average in all choir classes in order to be considered for JC Singers. Students will continue to develop and improve skills in sight-singing and music theory through class instruction and vocal exercises. This ensemble travels yearly and competes at the national and state levels, often in conjunction with Honors Mixed Ensemble. Students may participate in both choirs.</p>		

HONORS MIXED ENSEMBLE (10, 11, 12)	H MIX ENSEMBLE	Credits 1.0
Prerequisite: Audition with instructor		
<p>Mixed Ensemble is the top tier performing ensemble at John Carroll. The ensemble receives honors credit and must be taken as a year long course. This ensemble will study and learn repertoire from all genres of music and is performed primarily a cappella. Students must have superb sight-reading skills and excellent prior knowledge of music theory. Students must have an A average in all choir classes in order to be considered for Honors Mixed Ensemble. This choir is the face of John Carroll at many events and is a competitive traveling choir. Participating students are expected to keep their academic average and discipline record in good standing in order to remain in this choir.</p>		

BAND

BEGINNING BAND (9-12)	BEG BAND	Credits 0.5
Prerequisite: None		
<p>This class is designed for students who may have never before played an instrument, and introduces them to a brass, woodwind, or percussion instrument. Students will learn fundamentals of music theory and develop individual and group skills. Opportunities to perform may include Winter or Spring concerts and school events.</p>		

MARCHING BAND (9-12)	MARCH BAND	Credits 1.0
Prerequisite: None		
<p>This year-long course is a performance based class that trains students to participate in the Marching Cavaliers. The Marching Band performs at all JCCHS football games. This course can fulfill the graduation requirement for PE or Fine Arts.</p>		

ADVANCED BAND (9-12)	ADV BAND	Credits 1.0
Prerequisite: Recommendation of instructor		
<p>This year-long course serves as the nucleus of the Cavalier performing ensembles. Students rehearse as a full ensemble, as well as by sections. Performance opportunities include marching, concert, jazz, chamber, and solo events. Performance in Winter and Spring concerts and participation in State competition are required. A limited number of before and after school rehearsals will be required in order to prepare for these events. <i>This course carries a fee of \$200.00.</i></p>		

HONORS ADVANCED BAND (10-12)	H ADV BAND	Credits 1.0
Prerequisite: Recommendation of instructor		
<p>The Honors designation expands the Advanced Band curriculum into a fully enriched and immersive level of mastery for the students. The Honors level includes higher standards of performance achievement, ancillary assignments, common and modern instrumental techniques and usage, form</p>		

analysis, and harmonic analysis. In addition, Honors students will participate in individual performance presentations, composition and arranging projects, and conducting projects. This course carries a fee of \$200.00.

MUSIC THEORY (10-12)	MUSIC THEORY	Credits 1.0
Prerequisite: None		
<p>This course covers a wide array of musical concepts, with objects derived from the AP Music Theory Course Description published by the College Board. The goal of the course is to develop a student's ability to recognize, understand, analyze, and describe the aspects and processes of music as they hear or see them on a musical score. Students engage in a variety of written, singing, and compositional exercises that serve to greatly enhance and improve their ability to comprehend, analyze, and notate music in a traditional style.</p>		

JAZZ BAND (9-12)	JAZZ BAND	Credits 1.0
Prerequisite: Audition with instructor		
<p>This performance course allows students to deepen their understanding of jazz and advance their music skills. Through a standard repertoire, improvisational texts, listening assignments, and rehearsals, students will be able to perform any type of jazz ensemble from small combos to full jazz "big band" sets. Students will perform throughout the year at various venues and may be asked to perform with any of the other band classes at the school. The ensemble will participate in contests and festivals throughout the year. Wind instrumentalists, string instrumentalists (such as guitarists), pianists, and vocalists are encouraged to audition for the class.</p>		

DRAMA

BEGINNING ACTING (9-12)	BEG ACTING	Credits 0.5
Prerequisite: None		
<p>This is an introductory acting course where students will gain a basic understanding and respect for acting as an artistic form of expression, as well as a culturally relevant form of entertainment. Various forms of improvisational techniques will be used to foster basic acting skills and to build confidence. The rehearsal process will be employed and students will perform one monologue and one scene in class. Drama from ancient Greece, William Shakespeare, and musical theatre will be studied through group and individual projects.</p>		

SPEECH (10-12)	SPEECH	Credits 0.5
Prerequisite: none		

This course trains students to become effective public speakers. Students are taught how to organize and properly deliver the following types of speeches: Informative, Persuasive, Spontaneous, and Special Occasion. There will also be units within the course that develop the students' interview and debate skills. This class will not only educate the students on the speech process, but also provide them with the self-confidence to become strong public speakers and public communicators.

INTERMEDIATE ACTING (10, 11, 12)	INT ACTING	Credits 0.5
Prerequisite: Beginning Acting or recommendation of instructor; offered in Spring semester only		
<p>This course is a level-II acting class for those students interested in pursuing acting as a career or hobby. Students perform multiple scenes and monologues and are critiqued by both peers and the instructor. Students conduct research on their work prior to all performances and learn how to effectively critique dramatic pieces and acting. Scenes and monologues will be drawn from comedic, dramatic, contemporary and classical (Shakespeare or Greek) categories. Though the class emphasis will be on performance, some lecture will be used throughout the semester to explore different acting techniques.</p>		

STAGECRAFT (10, 11, 12)	STG CRAFT	Credits 0.5
Prerequisite: Google Forms application, instructor approval		
<p>Stagecraft is a hands-on course that is designed to teach students all aspects of theater production, including: set design and construction; lighting and sound programming; operation of the fly system; and managing backstage operations during a live performance. Students will learn how to safely operate all major tools in the shop and will gain practical experience by building the sets for John Carroll Theatre productions. Students are encouraged, but not required to audition for a tech position for John Carroll Theatre. In addition to these larger tasks, students will also learn painting techniques for stage and theater settings. Students will use skills learned in class to design and construct the set, operate lights and sound, and manage props for JCCHS Theatre productions.</p>		

HONORS ACTING AND DIRECTING (10, 11, 12)	H ACT/ DIRECT	Credits 1.0
Prerequisite: Beginning Acting, Intermediate Acting; recommendation of instructor		
<p>This is the culminating course in the drama sequence. Students learn about script analysis, blocking techniques, directing from early preparation to the rehearsal process, and working with actors. In the first semester, preparation for the Trumbauer Competition includes rehearsing monologues, scenes, and a One Act studio piece for statewide competition. The second semester focuses on directing skills, including text analysis, blocking, and communication. Students will have an opportunity to direct peers, as well as participate as actors in peer-directed scenes. Students will present their at the end of the year at a Night of Scenes performance.</p>		

TECHNOLOGY AND CAREER PREP

COMPUTER APPLICATIONS (9-12)	COMP APP	Credits 0.5
Prerequisite: None		
<p>In this course students will learn fundamental concepts of computer hardware and software and become familiar with a variety of computer applications, including word processing, spreadsheets, presentations, and desktop publishing. Students will also investigate Internet- based applications, learning how to browse the web through the lens of digital citizenship. This course meets the standards included in Alabama's Career and Technical Education (CTE) course of study.</p>		

ELECTIVES

MULTIMEDIA (10, 11, 12)	MULTIMEDIA	Credits 0.5
Prerequisite: Computer Applications		
<p>This course introduce students to basic video production using audio and visual media. Students will explore the production process, including the planning, making, and editing of both fiction and documentary video pieces. Students will also be introduced to web design applications, as well as various software programs including Adobe Premiere Elements, HTML, and Google Apps. This course meets the standards included in Alabama's Career and Technical Education (CTE) course of study.</p>		

BROADCAST JOURNALISM (11, 12)	BROADCAST	Credits 0.5 or 1.0
Prerequisite: Computer Applications		
<p>This course exposes students to elements of television production, as well as offering students the opportunities to stream live events on campus. Students in this class produce a weekly news program for JCTV News. They are responsible for all aspects of this production, and will learn and practice the following: how to research a news story; how to produce, write a script, and choose a news story; how to shoot an interview; how to be a reporter and news camera-person; camera operations; computer programs related to television production; how to edit news; how to deliver an actual newscast.</p>		

HUMAN ENVIRONMENTAL SCIENCES

NUTRITION I (9-12)	NUT I	Credits 0.5
Prerequisite: None		
<p>This course introduces students to the fields of food preparation and nutrition. Topics covered include the science behind nutrition, reading and following recipes, food preparation terms, measuring techniques, lab procedures, and kitchen safety. Students are actively involved in the learning process through lab experiences that are coordinated with classroom discussions and lectures. This course meets the standards included in Alabama's Health course of study.</p>		

NUTRITION II (10-12)	NUT II	Credits 0.5
Prerequisite: Nutrition I		
This course builds on the materials presented in Nutrition I. Topics covered include dieting, weight control, eating disorders, various food groupings, cholesterol, fat, and comparison shopping. Students receive hands-on experiences through laboratory activities. This course meets the standards included in Alabama's Health course of study.		
NUTRITION III (10, 11, 12)	NUT III	Credits 0.5
Prerequisite: Nutrition II		
This course builds on the material presented in Nutrition II. Topics covered include food and fitness, meal planning, special topics in nutrition, buying for the kitchen, vitamins and minerals. Students receive hands-on experiences through laboratory activities. This course meets the standards included in Alabama's Health course of study.		
CHILD DEVELOPMENT I: PRENATAL, LABOR & DELIVERY (9-12)	CH DEV I	Credits 0.5
Prerequisite: None		
In this course students study the emotional, social, intellectual, and physical development of children. Topics covered include: prenatal development, birth defects, genetics, pregnancy, the birth process, parenting skills, financial considerations, caring for the newborn, and the development of the child through the first year. This course meets the standards included in Alabama's Health course of study.		
CHILD DEVELOPMENT II: TODDLERS & PRESCHOOLERS (9-12)	CH DEV II	Credits 0.5
Prerequisite: None		
In this course students study the emotional, social, intellectual, and physical development of children from age one through age three. Topics covered include: child care services, personality patterns and development, learning disabilities, speech development, motor abilities, preparing the child for school, health and safety, and specific problems facing children. This course meets the standards included in Alabama's Health course of study.		
CHILD DEVELOPMENT III: AGE 6 TO ADOLESCENCE (9-12)	CH DEV III	Credits 0.5
Prerequisite: None		
In this course students study the emotional, social, intellectual and physical development of children from the age of four to twelve. Topics covered include: moral development, social influences, the school experience, multiple intelligences, learning disabilities, puberty, and peer pressure. This course meets the standards included in Alabama's Health course of study.		
INTERIOR DESIGN (9-12)	INT DESIGN	Credits 0.5

Prerequisite: None

This course introduces students to the concepts in interior design and decorating. Topics covered include: the use of color, line, shape, and texture in interior decorating; how to read and understand floor plans; methods of drawing floor plans to scale; furniture arrangement; use of accent pieces and accessories; types of housing options available to the consumer; and furniture, carpeting and upholstery selections. Students are responsible for completing projects utilizing all of the skills learned throughout the semester. This course meets the standards included in Alabama's Career Preparedness course of study.

INDEPENDENT LIVING (12)

IND LIVING

Credits 0.5**Prerequisite: None**

Independent Living is designed to assist seniors as they transition from high school and home to college and life on their own. Topics covered include: budgeting, comparison shopping, interpersonal relationships, health and safety, interviewing skills, and laundering and mending. Students will also receive information related to college life, including scheduling classes, housing options, campus safety, and balancing school, work, and a social life. This course meets the standards included in Alabama's Career Preparedness course of study.

PHYSICAL EDUCATION/ATHLETICS**BOYS' PHYSICAL EDUCATION AND HEALTH/
GIRLS' PHYSICAL EDUCATION AND HEALTH**BPE/HLTH
GPE/HLTH**Credits 1.0****Prerequisite: None**

This course is required for all Freshmen and satisfies the State Physical Education requirement. The course introduces students to the general concepts of health, conditioning, and fitness, as well as the fundamental skills involved in various sports and recreational activities. The course also emphasizes sportsmanship and safety. The health portion includes an overview of fitness and exercise, diet and nutrition, drug and alcohol awareness, character building, bullying, and self-esteem. This course meets the standards included in Alabama's Health course of study.

PE/BOYS' ATHLETICS (10-12)

BOYS ATH

Credits 0.5**Prerequisite: None**

This course introduces the basic concepts and principles of weight training and cardiovascular conditioning. Free weights, aerobic, and anaerobic activities/sports are used to develop strength, muscular endurance, and flexibility. Students may take this course more than once. This course meets the standards included in Alabama's Health course of study.

PE/FOOTBALL CONDITIONING (9-12)

FBALL COND

Credits 0.5**Prerequisite: Recommendation of the Head Coach**

This course is designed for student athlete who participates in Junior Varsity and Varsity Football. The class emphasizes strength and conditioning. This course will be offered during 1st period and is designed to minimize the time required for before and after school workouts. The student athlete must have a recommendation from the Head Coach. This course can be used toward the PE requirement for graduation and meets the standards included in Alabama's Health course of study. **This course carries a fee of \$25.00.**

PE/BOYS' ATHLETIC CONDITIONING (9-12)	BOYS COND	Credits 0.5
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Prerequisite: Recommendation of the Head Coach

This course is designed for the single and multiple-sport student athlete who participates in Junior Varsity and Varsity team sports. The class emphasizes strength and conditioning for in-season and out-of-season sports. This course will be offered during 1st and 8th periods and is designed to minimize the time required for before and after school workouts. This course meets the standards included in Alabama's Health course of study. The student athlete must have a recommendation from the Head Coach. **This course carries a fee of \$25.00.**

PE/GIRLS' ATHLETIC CONDITIONING (9-12)	GIRLS COND	Credits 0.5
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Prerequisite: Recommendation of the Head Coach

This course is designed for the single and multiple-sport student athlete who participates in Junior Varsity and Varsity team sports. The class emphasizes strength and conditioning for in-season and out-of-season sports. This course will be offered during 1st and 8th periods and is designed to minimize the time required for before and after school workouts. This course meets the standards included in Alabama's Health course of study. The student athlete must have a recommendation from the Head Coach. **This course carries a fee of \$25.00.**

OTHER ELECTIVES

ADVANCED PLACEMENT (AP) CAPSTONE: SEMINAR (11)	AP SEMINAR	Credits 1.0
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Prerequisite: Acceptance into the Honors Academy; concurrent enrollment in Honors English 11

The first course of two courses in the AP Capstone program, AP Seminar 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 research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. 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.

ADVANCED PLACEMENT (AP) CAPSTONE: RESEARCH (11,12)	AP RESEARCH	Credits 1.0
Prerequisite: AP Capstone Seminar		
<p>AP Research allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further the skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument.</p>		

YEARBOOK (10, 11, 12)	YRBOOK	Credits 1.0
Prerequisite: None		
<p>This course revolves around the production of the school yearbook. Students spend time in writing and design activities as well as attending school events in order to photograph and compose articles/story lines about these activities. Students should be prepared to spend additional time outside of class to complete their assignments. In the summer, all members will be asked to attend a workshop and two organizational meetings. This course is designed for the student who thrives on challenge and is a self-starter.</p>		

DRIVER'S EDUCATION (10, 11, 12)	DRV ED	Credits 0.5
Prerequisite: Driver's permit		
<p>This program is designed to develop safe and efficient drivers who understand traffic safety. Students are taught the rules of the road, causes of accidents, and all aspects of safe driving. Following classroom instruction, driving will be taught using a variety of performance-based skills on various road experiences. This course carries a fee of \$200.00</p>		

APPENDIX A: ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS

John Carroll's graduation requirements meet and exceed the State of Alabama's high school graduation requirements as listed below.

ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS

(Alabama Administrative Code 290-3-1-02(8) and (8)(a))			
Effective for students in the ninth grade in the 2013-2014 school year, all students shall earn the required credits for the Alabama High School Diploma. A local board of education may establish requirements for receipt of diplomas and endorsements, but any diploma or endorsement shall include the requirements of the Alabama High School Diploma. The Alabama courses of study shall be followed in determining minimum required content in each discipline.			
COURSE REQUIREMENTS			
English Language Arts	Four credits to include:	Credits	
	English 9	1	
	English 10	1	
	English 11	1	
	English 12	1	
	<i>Equivalent options may include: Advanced Placement/International Baccalaureate/postsecondary equivalent courses</i>		
English Language Arts Total Credits		4	
Mathematics	Three credits to include:	Credits	
	Algebra I or its equivalent	1	
	Geometry or its equivalent	1	
	Algebra II w/Trigonometry or Algebra II, or its equivalent	1	
	One credit from:		
	<i>Alabama Course of Study: Mathematics or Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary equivalent courses</i>		1
Mathematics Total Credits		4	
Science	Two credits to include:	Credits	
	Biology	1	
	A physical science (Chemistry, Physics, Physical Science)	1	
	Two credits from:		
	<i>Alabama Course of Study: Science or Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary equivalent courses</i>		2
Science Total Credits		4	
Social Studies*	Four credits to include:	Credits	
	World History	1	
	United States History I	1	
	United States History II	1	
	United States Government	0.5	
	Economics	0.5	
	<i>Equivalent options may include: Advanced Placement/International Baccalaureate/postsecondary equivalent courses</i>		
Social Studies Total Credits		4	
Physical Education	Lifelong Individualized Fitness Education (LIFE)	1	
Health Education		0.5	
Career Preparedness		1	
Career and Technical Education and/or Foreign Language and/or Arts Education		3	
Electives		2.5	
<i>Local boards shall offer foreign languages, arts education, physical education, wellness education, career and technical education, and driver education as electives.</i>			
*All four credits shall comply with the current Alabama Course of Study: Social Studies			
Total Credits		24	

<https://www.huntsvillecityschools.org/sites/default/files/Alabama%20High%20School%20Graduation%20Requirements.pdf>

APPENDIX B: STATE REQUIREMENTS EQUIVALENCY

The following John Carroll courses meet the standards included in Alabama's Career and Technical Education (CTE) course of study:

John Carroll Catholic High School course
<i>Career and Technical Education</i>
Computer Applications
Graphic Design
Multimedia
Broadcast Journalism

The following John Carroll courses meet the standards included in Alabama's Health course of study:

John Carroll Catholic High School Course
<i>Health</i>
Boys' PE/Health
Girls' PE/Health
Football Conditioning
Boys' Athletic Conditioning
Girls' Athletic Conditioning
Boy's Athletics
Nutrition
Human Anatomy and Physiology
Child Development

The following John Carroll courses meet the standards included in Alabama's Career Preparedness course of study:

John Carroll Catholic High School Course
<i>Career Preparedness</i>
Interior Design

Independent Living