

Cardinal Newman School

2023-2024 Course Descriptions



REDEFINING EXCELLENCE!

***In the Classroom – On the Field – In the
Community For their Futures***

Cardinal Newman School is a Catholic middle and high school whose mission is to provide an academically rigorous Christian education to young men and women from diverse socio-economic and cultural backgrounds. We challenge our students to embrace truth, pursue academic excellence, act with integrity, lead courageously, work for justice, and engage in generous service. We are a community where every student is known, the dignity of all is appreciated, and apparent and potential gifts are developed in mind, body, and spirit.



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General Information for Middle School

Outline of Middle School Curriculum (CP-College Prep, H-Honors)

English	Mathematics	Physical Education	Science	Social Studies	Support Services	Theology	Visual and Performing Arts	World Languages
-CP English 7 Language Arts -H English 7 Language Arts -CP English 7 Grammar and Composition -H English 7 Grammar and Composition	-Math 7 -CP Pre-Algebra -H Pre-Algebra -H Algebra I	-Middle School PE (1 semester)	-CP Life Science -H Life Science	-CP World Cultures -H World Cultures	-Math Support DLS (1 year) -Support Lab for Middle School (1 year)	-Introduction to Catholicism	-Junior Drama (1 semester) -Middle School Art (1 semester) -Junior High Chamber Singers (1 year) -Beginning Band (1 year) -Intermediate Band (1 year) -Beginning Orchestra (1 year) -Chamber Orchestra (1 year) -String Orchestra (1 year) -Piano Studio (1 semester) -Organist Studio (1 semester)	
-CP English 8 Language Arts -H English 8 Language Arts -CP English 8 Grammar and Composition -H English 8 Grammar and Composition	-Math 8 -CP Pre-Algebra -CP Algebra I -H Algebra I -H Geometry	-Middle School PE (1 semester) -Speed & Strength Training (1 semester)	-CP Physical Science -H Physical Science	-CP US History 8 -H US History 8	-Math Support DLS -Support Lab for Middle School	-Church History	-Junior Drama (1 semester) -Musical Theater (1 semester) -Middle School Art (1 semester) -Junior High Chamber Singers (1 year) -Beginning Band (1 year) -Intermediate Band (1 year) -Beginning Orchestra (1 year) -Chamber Orchestra (1 year) -String Orchestra (1 year) -Piano Studio (1 semester)	-French 1 -Spanish 1

Middle School Courses Taken for High School Credit



Upon qualification, a student may be placed into a high school course. Upon completion of his/her eighth grade year, the high school credited course must remain on the high school transcript; however, the student may retake the high school course in Grade 9 or take an alternate level course. Both courses will remain on the high school transcript; however, the lower grade will not be calculated into the grade point average. For World Languages students who receive a grade of 67 or below on a High School level course must either remediate before the start of the next school year or repeat the course in High School. These students must remediate this class before moving into a different High School level World Language class in 9th grade.

Students who decide to take credit for a High School level course when they transition to 9th grade may fulfill their High School requirement with that course. This may, however, have a negative impact on GPA if it increases the ratio of CP courses taken versus H or AP. Students should discuss the benefits of adding a High School level course taken in Middle School with their guidance counselor.

Course Fees

Some courses may have a separate materials fee. These fees will be billed and collected by the Finance Director through FACTS accounts at the beginning of the semester in which the class is taken. Some courses and clubs may offer field trips, which are also billed through FACTS accounts.

Grades:

Grades are calculated on a 0-100% scale. Students must receive a passing grade (60% or higher) for every course taken at Cardinal Newman School. Any failure must be remediated through a method approved by Cardinal Newman School. All courses must be remediated prior to the start of the next school year, with the exception of a High School course taken in eighth grade and repeated in ninth grade.

7th Grade Requirements

- 1 Unit of English 7 Language Arts (CP or H)
- 1 Unit of Grammar and Composition (CP or H)
- 1 Unit/Credit of Mathematics - Dependent on Placement
- 1 Unit of Life Science (CP or H)
- 1 Unit of World Cultures (CP or H)
- 1 Unit of Theology
- .5 Unit of a Visual or Performing Arts
- .5 Unit of PE

8th Grade Requirements:

- 1 Unit of English 8 Literature (CP or H)
- 1 Unit of Grammar and Composition (CP or H)
- 1 Unit/Credit of Mathematics (Pre-Algebra (CP or H) Algebra 1 (CP or H), Geometry(CP or H)
- 1 Unit of Physical Science (CP or H)
- 1 Unit of US History (CP or H)
- 1 Credit of World Language
- 1 Unit of Theology
- .5 Unit/Credit of Physical Education
- .5 Unit/Credit of Visual or Performing Arts

7th Grade Electives

Junior Drama (1 semester)

Musical Theater H (1 semester)

Middle School Art (1 semester)

Junior High Chamber Singers (1 year)

Beginning Band (1 year)

Intermediate Band (1 year)

Beginning Orchestra (1 year)

Chamber Orchestra (1 year)

String Orchestra (1 year)

Piano Studio (1 semester)

Organist Academy (1 semester)

Middle School PE (1 semester)

8th Grade Electives

Junior Drama (1 semester)

Musical Theater H(1 semester)

Middle School Art (1 semester)

Junior High Chamber Singers (1 year)

Beginning Band (1 year)

CP Symphonic Band: Intermediate (1 year)

Beginning Orchestra (1 year)

Chamber Orchestra (1 year)

String Orchestra (1 year)

Piano Studio (1 semester)

Organist Academy (1 semester)

Middle School PE (1 semester)

Speed and Strength Training (1 Semester)

Middle School English

251ENG: English 7 College Prep Language Arts

No Prerequisite(s); Grade 7; REQUIRED; full year; 1 unit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. Genre study will include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American, British, and World origins. Each unit of study is driven by an essential question. Students will be expected to write using a variety of modes and purposes and to incorporate age-level appropriate analytical and research skills. Students will study grammar and the parts of speech, both independently and through writing and revision. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

252ENG: English 7 Honors Language Arts

Prerequisite(s); Successful completion of Grade 6 ELA and ELA MAP score range of 220-225; Grade 7; REQUIRED; full year; 1 unit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. Genre study will include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American, British, and World origins. Each unit of study is driven by an essential question. Students will be expected to write using a variety of modes and purposes and to incorporate age-level appropriate analytical and research skills. Students will study grammar and the parts of speech, both independently and through writing and revision and will be exposed to a more sophisticated use of punctuation and mechanics. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

*As an Honors course, English 7 Honors Language Arts will cover more material in greater depth and with greater emphasis on student autonomy and the ability to think more critically than a comparable college preparatory class.

278ENG: 7th Grade College Prep Grammar and Composition No Prerequisite: Grade 7; REQUIRED; full year; 1 unit

English 7 Grammar and Composition will focus on improving students' existing grammar and composition skills. Mastery of the parts of speech and how they are related to each other and function within a sentence will be a focal point. Students will learn key concepts through intensive grammatical study and will then be expected to apply these skills when writing an expository piece. In addition, students will be introduced to proper MLA and Chicago format and citation procedures as they employ all steps of the writing process to conduct scholarly research and compose a research paper.

279ENG: 7th Grade Honors Grammar and Composition

Prerequisites: Successful completion of Grade 6 ELA and ELA MAP score range of 220-225; Grade 7; REQUIRED; full year; 1 unit

English 7 Grammar and Composition will focus on improving students' existing grammar and composition skills. Mastery of the parts of speech and how they are related to each other and function within a sentence will be a focal point. Students will learn key concepts through intensive grammatical study and will then be

expected to apply these skills when writing an expository piece. In addition, students will be introduced to proper MLA and Chicago format and citation procedures as they employ all steps of the writing process to conduct scholarly research and compose a research paper.

*As an Honors course, 7th Grade Honors Grammar and Composition will cover more material in greater depth and with greater emphasis on student autonomy and the ability to think more critically than a comparable college preparatory class.

253ENG English 8 College Preparatory Language Arts.

Prerequisite(s) – Successful completion of English 7; Grade 8; REQUIRED; full year; 1 unit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. Genre study will include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American, British, and World origins. Each unit of study is driven by an essential question. Students will be expected to write using a variety of modes and purposes and to incorporate age-level appropriate analytical and research skills. Students will study grammar and mechanics with an emphasis on editing practice and punctuation. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

254ENG: English 8 Honors Language Arts

Prerequisite(s)-Successful completion of English 7 Honors with an 88% or higher final grade in English 7 Honors or 94% or higher final grade in English 7 CP and ELA MAP score range of 226-231; Grade 8; REQUIRED; full year; 1 unit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. Genre study will include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American, British, and World origins. Each unit of study is driven by an essential question. Students will be expected to write using a variety of modes and purposes and to incorporate age-level appropriate analytical and research skills. Students will study grammar and mechanics with an emphasis on editing practice and punctuation. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

*As an Honors course, English 8 Honors Language Arts will cover more material in greater depth and with greater emphasis on student autonomy and the ability to think more critically than a comparable college preparatory class.

280ENG: 8th Grade College Prep Grammar and Composition No Prerequisite: Grade 8; REQUIRED; full year; 1 unit

English 8 Grammar and Composition will pick up where English 7 Grammar and Composition left off and continue the progressive focus on improving students' existing grammar and composition skills. Students will continue the study of grammar through the writing process as they concentrate on the basic modes of paragraph and essay writing with greater emphasis on the skills of editing and revising. In addition, students will begin to learn narrative writing, argumentative writing, and continue the effective use of research in writing.

281ENG: 8th Grade Honors Grammar and Composition No Prerequisite: Grade 8; REQUIRED; full year; 1 unit

English 8 Grammar and Composition will pick up where English 7 Grammar and Composition left off and continue the progressive focus on improving students' existing grammar and composition skills. Students

will continue the study of grammar through the writing process as they concentrate on the basic modes of paragraph and essay writing with greater emphasis on the skills of editing and revising. In addition, students will begin to learn narrative writing, argumentative writing, and continue the effective use of research in writing.

*As an Honors course, English 8 Honors Grammar and Composition will cover more material in greater depth and with greater emphasis on student autonomy and the ability to think more critically than a comparable college preparatory class

Middle School Mathematics

Note: A minimum of Four Credits of Math are required for high school graduation.

*** Indicates high school credit courses for 7th and 8th grades.

Below are the possible math sequence options:

Grade	College Preparatory Pathway		Honors Pathway	
Grade 7	-Math 7	-College Prep Pre-Algebra	-Honors Pre-Algebra	***Honors Algebra I
Grade 8	-Math 8 -College Prep Pre-Algebra	-College Prep Algebra I	***Honors Algebra I	***Honors Geometry

- MAP Testing scores will be used by Cardinal Newman personnel to place students in the appropriate math courses that will challenge them. All math students will be required to take the MAP test through Geometry and Algebra II.
- Algebra I is the backbone of high school mathematics and prepares students for success in all subsequent mathematics courses. Therefore, it is crucial that all students are successful in Algebra I. Students in honors courses are expected to maintain an average of 88 or above. To move from a college prep-level to an honors-level course, students should have an average of 94 or above and a teacher recommendation.
- Beginning with Algebra I, students are REQUIRED to have a graphing calculator. The TI 84 Plus is highly recommended.
- Transfer students may be required to take a diagnostic test for placement.

375MTH: Math 7

Prerequisites: Successful completion of sixth grade Math; Placement is based on current teacher recommendations, current math grades, and MAP score <215. Placement is decided by Cardinal Newman School Administration; Grade 7; REQUIRED; full year 1 unit

Students will reinforce mastery of skills with fractions, decimals percentages, and operations with positive and negative numbers. They will begin solving equations and inequalities and explore basic graphing. Other topics will include factors, ratios, exponents, and translating verbal expressions into mathematical expressions.

373MTH: Math 8

This course is specifically for students who have successfully completed Math 7.

Grade 8

Students will get a better understanding of rational numbers. Students will solve, compute, and graph using rational numbers. Students will be able to understand geometric measurement, data, and graphs. Students will learn what a function is and how to apply it.

300MTH: College Prep Pre-Algebra

Prerequisite(s): Successful completion of sixth grade Math and Math MAP score >221; Grade 7-8; REQUIRED, full year; 1 unit

Students will reinforce mastery of skills with fractions, decimals, percentages, and operations with positive and negative numbers. They will begin solving equations and inequalities and explore some basic graphing. Other topics will include factors, ratios, exponents, and translating verbal expressions into mathematical expressions.

301MTH: Honors Pre-Algebra

Prerequisite(s): Successful completion of sixth grade Math with a 94% or higher final grade and Math MAP score >224; Grade 7-8; REQUIRED, full year; 1 unit

This course reviews basic skills of operations with fractions, decimals, rational numbers, integers and percentages. Other topics include algebraic expressions, graphing points on a coordinate plane, factors, solving equations and inequalities, exponents, scientific notation, ratios, proportions and translating verbal sentences into equations and solving.

304MTH: College Prep Algebra I

Prerequisite(s): Successful completion CP Pre-Algebra for 9th grade, or a grade of 74% or higher in CP Pre-Algebra for 8th grade; Grades 8-9; 1 credit

Topics include variables, grouping symbols, equations, translating sentences into equations, translating problems into equations and solving the number line, absolute values, adding and subtracting, and multiplying and dividing integers, commutative and associative and distributive and identity properties, solving equations, exponents, adding, subtracting, and multiplying polynomials, transforming formulas, factoring, simplifying algebraic fractions, working with equations in two variables, linear equations including calculation of slope and writing the equation of a line.

305MTH: Honors Algebra I

Prerequisite(s): Successful completion Pre-Algebra Honors with an 88% or higher or Pre-Algebra CP with a 94% or higher final grade, or 6th grade of Pre-Algebra and Math MAP score range 230-235/225-230 for transfer students; Grade 7-8; REQUIRED; full year; 1 credit;

The topics covered in this fast-paced class include adding, subtracting, multiplying, and dividing real numbers, polynomials, rational algebraic expressions, solving equations, factoring, graphing, and problem

solving.

306MTH: College Prep Geometry

Prerequisite(s) – Successful completion of CP Algebra I and Math MAP score range 235- 240 transfer students; Grade 8-10; REQUIRED; full year; 1 credit

This course is designed to familiarize students with plane and solid geometric figures and their relationships in planes and space as a foundation for the coordinate system as they relate to real world problem situations. Students are taught to use methods of inductive and deductive reasoning so that these methods become usable tools of learning, thinking, and understanding. It is also the purpose of geometry to learn accuracy in reasoning, originality in thought, the difference between reliable and unreliable information and to express data systematically. Topics include polygons, perimeter and area analysis, volume and surface area analysis, and trigonometry of the right triangle.

307MTH: Honors Geometry

Prerequisite(s) – Successful completion of Algebra I Honors with an 88% or higher final grade OR Algebra I CP with an 94% or higher final grade and Math MAP score range of 240-245; Grade 8-10; REQUIRED; full year; 1 credit

This course is designed to familiarize students with plane and solid geometric figures and their relationships in planes and space as a foundation for the coordinate system. Students are taught to use methods of inductive and deductive reasoning so that these methods become usable tools of learning, thinking, and understanding. This course will include topics covered in the CP Geometry curriculum. It will also include the development of students to reason logically and deductively based on the assumption of the basic principles of Algebra and the postulates, corollaries, theorems, definitions of geometry and developing the skills to write formal two- column proofs. The purpose of Geometry is to help students learn accuracy in reasoning, to utilize originality in thought, to discern the difference between reliable and unreliable information, and to express data systematically.

Physical Education

900PE: Middle School PE

Grades 7-8; Elective; semester; .5 unit

This course may be taken in both the 7th and 8th grade years if a student chooses. The goal of this course is to introduce students to fitness and conditioning through physical education with an emphasis on fine motor skills. These skills are important in most physical activity, as well as in life in general. Other areas covered, but limited to, include: teamwork, listening skills, cardiovascular endurance, flexibility. The major focus will be on fundamental movement patterns with no load and learning to develop healthy habits physically, mentally and emotionally.

913PE: Speed and Strength Training for Athletes

Prerequisites: Instructor/coach recommendation and current participation in Cardinal Newman athletics; Grades 8-9; .5 credit

This class will teach the fundamentals of how to improve speed and strength, as well as weight room safety and competitive expectations. The class is designed for Cardinal Newman athletes who have little or no weight room experience.

Middle School Science: 

Grade	College Preparatory Pathway	Honors Pathway
Grade 7	College Prep Life Science	Honors Life Science
Grade 8	College Prep Physical Science	Honors Physical Science

401SCI: College Prep Life Science

No Prerequisite(s); Grade 7; REQUIRED; full year; 1 unit.

This course is designed to aid students in recognizing and appreciating the application of life science to the world around them. The course examines theories about the origins of living cells, their basic characteristics, the fundamental structures of cells, and the interrelationship of the environment.

403SCI: Honors Life Science

Prerequisite(s): Successful completion of 6th Grade Science and Math MAP score range 224-229; Grade 7; REQUIRED; full year; 1 unit

This class will cover the same curriculum as the College Preparatory class, but goes into more depth and with greater rigor and a faster pace. In addition, it will include research, projects and writing assignments.

440SCI: College Prep Physical Science

Prerequisite(s) – Successful completion of Life Science CP; Grade 8; REQUIRED; full year; 1 unit

This course serves as an introduction to physics and chemistry and explores the study of motion and forces, energy, waves, matter, and its interactions. Students will apply the science and engineering practices to this study as well.

441SCI: Honors Physical Science

Prerequisite(s) – Successful completion of Life Science Honors with an 88% or higher final grade; successful completion of Algebra I Honors with an 85% or higher or for CP Algebra I a 90% or higher; Math MAP score range 230-235; Grade 8; REQUIRED; full year; 1 unit

This course serves as an introduction to physics and chemistry and explores the study of motion and forces, energy, waves, matter, and its interactions. Students will apply the science and engineering practices to this study as well. This course is reliant on mathematical skills and will introduce students to appropriate lab writing techniques.

Middle School Social Studies: 

Grade	College Preparatory Pathway	Honors Pathway
Grade 7	College Prep World Cultures	Honors World Cultures
Grade 8	College Prep US History 8	Honors US History 8

556 SOC: College Prep World Cultures

No Prerequisite(s); Grade 7; Students are placed by Cardinal Newman personnel based on previous academic performance and work ethic. REQUIRED; full year; 1 unit

This course will examine the history and geography of human societies from the 1600s to the present. Students will investigate the growing interactions among these societies as well as the exchange of ideas, beliefs, and commodities among them. Students will also address the continuing growth of the political and economic ideas that shaped the modern world. Performance in this course determines the student’s placement into 8th grade CP or Honors US History 8.

566SOC: Honors World Cultures

Prerequisite(s): Successful completion of 6th grade coursework and ELA MAP score range of 220-225; Grade 7; REQUIRED; full year; 1 unit

Similar in content to World Cultures CP, this course will examine the history and geography of human societies from the 1600s to the present. Students will investigate the growing interactions among these societies as well as the exchange of ideas, beliefs, and commodities among them. Students will also address the continuing growth of the political and economic ideas that shaped the modern world.

*Additional reading and writing expectations will be placed on students who take this honors-level class.

533SOC: College Prep US History 8

Prerequisite(s) – Successful completion of World Cultures; Grade 8; REQUIRED; full year; 1 unit

This course will analyze the history of the United States, giving special emphasis to the unique role of South Carolina. Students will analyze the social, political, and economic differences between South Carolina, the South, and the other regions of the United States. Students in this course will be introduced to a variety of historical methods including primary source analysis, primary and secondary source interpretation, and historical inquiry and inference. This course offers an end-of-year field trip to Washington, D.C.; additional costs will apply.

534SOC: Honors US History 8

Prerequisite(s): Successful completion of World Cultures Honors with an 88% or higher final grade or a 94% or higher in World Cultures CP and ELA MAP score range of 226-231; Grade 8; REQUIRED; full year; 1 unit

Similar in content to US History 8 CP, this course will analyze the history of the United States, giving special emphasis to the unique role of South Carolina. Students will analyze the social, political, and economic differences between South Carolina, the South, and the other regions of the United States. Students in this course will be introduced to a variety of historical methods including primary source analysis, primary and secondary source interpretation, and historical inquiry and inference. Additional reading and writing expectations will be placed on students who take this honors-level class. This course offers an end-of-year field trip to Washington, D.C.; additional costs will apply.

*Additional reading and writing expectations will be placed on students who take this honors-level class.

Middle School Support Services:

Courses in this department are offered by Cardinal Newman School's certified learning support staff to assist students who need additional support in their classes to be successful.

051SS: Math Support for Junior High School DeLaSalle Students REQUIRED; DeLaSalle students in grades 7 and 8; Full Year

Junior High School DeLaSalle students will receive their math instruction in this class.

052SS: Study Skills for DeLaSalle Students REQUIRED; DeLaSalle Program Students in Grades 7 and 8; full year

Middle School Theology:

All students are required to take Theology every year that they are enrolled in Cardinal Newman School. In addition, all students are required to meet community service requirements as outlined by the Department of Campus Ministry and Community Service.

101THE: Foundations of Catholic Theology

No Prerequisite(s); Grade 7; REQUIRED; full year; 1 unit

This course will begin with an overview of the Catholic Church and basic teachings. Emphasis during the first semester will be placed on Mary, the saints, prayer, the sacraments, scripture, and the Mass. Second semester will focus on the person of Jesus as seen in the Gospels.

110THE: Church History

Prerequisite(s) – 101THE; Grade 8; REQUIRED; full year; 1 unit

Students will discuss important events that contributed to the development and spread of Christianity. Beginning with Pentecost and continuing through the current age, a systematic review of historical events will be offered.

Performing Arts:

Drama

850FA: Junior Drama

Grades 7 and 8; Elective; semester; .5 unit

Junior Drama may be taken in both 7th and 8th grades if a student chooses. It is an elective course introducing students to the skills and disciplines needed to be focused and successful performers. Acting study is based on group games, memorized scene work, improvisation, and imagination. This course will provide a wonderful opportunity for the students to express themselves creatively in a welcoming class environment. Students will explore topics that include monologues, storytelling, reader's theater, musical theater, Shakespeare, and selected plays. Throughout the course there will be opportunities for students to showcase their talents both in and out of the classroom.

859FA: Musical Theater Honors

Prerequisite(s)—Junior Drama, Drama I, participation in a musical production and the recommendation of the course instructor, or by audition; Grades 7-12; Elective; semester; .5 credit

This course is for the student who is interested in performing in Musical Theater. Students will have the opportunity to create an audition, rehearse and perform scenes/a show from the Broadway genre. The course will introduce students to techniques used by actors to perform musical numbers with skill and dynamics. Performances are required by all students and will be both in-class and main-stage productions. Students will obtain training and skills associated with Musical Theater: singing, acting, movement/choreography, staging, and using correct terminology and vocabulary in written and oral discussion. \$30.00 fee.

Music:

805FA: Junior High Chamber Singers

Prerequisite(s): 7th Grade recommendation by choral director of 6th grade choral director; Grade 8; Recommendation by choral director; Full Year; 1 unit

JH Chamber Singers is Cardinal Newman's select middle school choir. Students are selected for Chamber Singers based on audition or, for 7th graders, a recommendation by their elementary music educator from one of Cardinal Newman's partner elementary schools. Students in Chamber Singers are held to the same standards as the Cardinal Chorale because Chamber Singers is the primary feeder into Cardinal Newman's top performing group. Choristers in Chamber Singers will learn advanced vocal techniques and sight-singing skills. Repertoire for this ensemble includes all genres encompassing music from the Renaissance era through contemporary compositions. Chamber Singers has mandatory class rehearsals and performances that will be performed outside of the regularly scheduled class hours. Auditions are required.

826FA: Beginning Band

No Prerequisites; Open to grades 7-12; Elective; full year; 1 credit

Beginning Band is Cardinal Newman's band course for students who have little or no experience playing traditional band instruments. The goal of this course is for students to gain the knowledge and fundamentals

necessary to advance to Intermediate Band and begin playing age-appropriate repertoire. Students will be required to attend some after and before school rehearsals and performances.

827FA: CP Symphonic Band: Intermediate Band

Prerequisites; Audition required for transfer or new students. Opened to grades 7-12; Elective; full year; 1 credit

Intermediate Band is a concert ensemble and also makes up a portion of the Marching Band. Intermediate Band is Cardinal Newman's band course for students who have 1 to 3 years of experience on their instrument. If a student is a transfer or new student, they must audition to be in this group. The goal of this course is to further development fundamental skills and to play age-appropriate repertoire, and to move on to the Advanced Band. The students in this group have the option to participate in the Marching Band, which plays at all home varsity football games, any televised game, and playoff games in the fall of each year. There are outside required rehearsals and performances that are part of this course. Band camp prior to the start of school is required as part of this course.

845FA: Cardinal Newman Piano Studio Prerequisite(s) – None; Elective; semester; .5 Credit

This course consists of private lessons designed to fit the student's skill level, from beginning to advance. Coursework includes basic piano skills, technique, sight-reading, piano literature, history, and music theory. The student must have access to an instrument for daily practice. An acceptable piano for practice is acoustic or digital but must have 88 weighted keys and a functional damper pedal. Occasionally, group classes will be held after school or when permitted for students to play for each other and learn to give constructive criticism. Students will also be expected to perform in a recital setting at some point during the term for a major portion of their grade. Course Fee: \$400/Semester.

842FA: Honors Cardinal Newman Piano Studio

Prerequisite(s)– None; Elective; semester; .5 Credit

This course consists of private lessons designed to fit the student's skill level, from beginning to advance. Coursework includes basic piano skills, technique, sight-reading, piano literature, history, and music theory. The student must have access to an instrument for daily practice. An acceptable piano for practice is acoustic or digital but must have 88 weighted keys and a functional damper pedal. Occasionally, group classes will be held after school or when permitted for students to play for each other and learn to give constructive criticism. Students will also be expected to perform in a recital setting at some point during the term for a major portion of their grade. Students who are enrolled in the honors course will have a research component along with extra performance expectations associated with the course to earn honors level credit. Course Fee: \$400/Semester.

844FA: Cardinal Newman Organist Academy Prerequisite(s) – None; Elective; semester; .5 Credit

THE ORGANIST ACADEMY, to address a need for professionally trained organists to serve the liturgy of the Roman Catholic Church, seeks to discover young faith-filled students in whom God has created a musical talent, to offer an exploration of a possible vocation in church music. WHO MAY APPLY? Any rising 6th – 11th grader with, or without a piano background may apply. STUDENTS WITH NO PRIOR KEYBOARD SKILLS enter a custom curriculum designed to teach the student basic piano/keyboard skills. There are two grades of assessment before beginning organ training (see below). STUDENTS WITH EXISTING KEYBOARD SKILLS may enter Organ Training Grade 1 after completing a Grade 1 and 2 Keyboard Skills workbook with the instructor. Completion of the workbook may take only one lesson or several lessons depending on the level of existing keyboard skills. 48 STUDENTS ENROLLED IN CARDINAL NEWMAN ORGANIST ACADEMY participate in one organ-crawl each school year, visiting one or two pipe organs in the Columbia/West Columbia area. On these organ-crawls, students go inside a pipe organ to see close-up, how everything works: pipes, chests, console, wind blowers, etc. Students also try out their new organ pieces on the organs visited.

And, the best part of all, students enjoy an all-you-can-eat pizza party at the end of the crawl. Also, students enrolled in Cardinal Newman Organ Academy are eligible to attend summer Pipe Organ

Encounters (POE) sponsored by American Guild of Organists (AGO). POE is a four or five-day event for students 13-18 years of age, organized by a local AGO chapter under the sponsorship of the national organization. It introduces participants to the world of the pipe organ, provides an opportunity for participants to have individual and group instruction from visiting organ professors, and provides a unique opportunity for participants to meet and interact with peers who have similar interests. For more information visit www.agohq.org/education/poe. Course Fee: \$400/Semester.

843FA: Honors Cardinal Newman Organist Academy

Prerequisite(s) – Instructor Recommendation; Elective; semester; .5 Credit

THE ORGANIST ACADEMY, to address a need for professionally trained organists to serve the liturgy of the Roman Catholic Church, seeks to discover young faith-filled students in whom God has created a musical talent, to offer an exploration of a possible vocation in church music. WHO MAY APPLY? Any rising 6th – 11th grader with, or without a piano background may apply. STUDENTS WITH NO PRIOR KEYBOARD SKILLS enter a custom curriculum designed to teach the student basic piano/keyboard skills. There are two grades of assessment before beginning organ training (see below). STUDENTS WITH EXISTING KEYBOARD SKILLS may enter Organ Training Grade 1 after completing a Grade 1 and 2 Keyboard Skills workbook with the instructor. Completion of the workbook may take only one lesson or several lessons depending on the level of existing keyboard skills. 48 STUDENTS ENROLLED IN CARDINAL NEWMAN ORGANIST ACADEMY participate in one organ-crawl each school year, visiting one or two pipe organs in the Columbia/West Columbia area. On these organ-crawls, students go inside a pipe organ to see close-up, how everything works: pipes, chests, console, wind blowers, etc. Students also try out their new organ pieces on the organs visited. And, the best part of all, students enjoy an all-you-can-eat pizza party at the end of the crawl. Also, students enrolled in Cardinal Newman Organ Academy are eligible to attend summer Pipe Organ Encounters (POE) sponsored by American Guild of Organists (AGO). POE is a four or five-day event for students 13-18 years of age, organized by a local AGO chapter under the sponsorship of the national organization. It introduces participants to the world of the pipe organ, provides an opportunity for participants to have individual and group instruction from visiting organ professors, and provides a unique opportunity for participants to meet and interact with peers who have similar interests. For more information visit www.agohq.org/education/poe. Course Fee: \$400/Semester.

Students who are enrolled in the honors course will have a research component along with extra performance expectations associated with the course to earn honors level credit.

835FA: Beginning Orchestra

No Prerequisites; Open grades 7-12; Elective; full year; 1 credit

Beginning Orchestra This course is a year-round entry-level course for students who have never played an orchestral string instrument before, or have a very limited experience. Students will learn the proper way to hold their instrument and bow, read notated music for their instrument, and learn basic music theory about rhythm, meter, pitch, key signatures and scales (one octave). The Essential Elements Book 1 is required for this course. Students will have to turn in weekly practice logs every quarter, and have graded playing tests. Students will be able to perform Grade Level 1 music by the end of this course. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

836FA: String Orchestra

Prerequisites; Audition required for transfer or new students. Open to grades 7-12; Elective; full year; 1 credit

The String Orchestra (Intermediate) course is a year-round intermediate level course for students who have two years or more experience on an orchestral string instrument. Students will learn how to rehearse and perform music of grade levels 2-4. Students will also learn the correct performance practices for different genres of music from diverse cultures. Students will be tested on basic music theory: intervals, major and minor scales (two and three octaves), arpeggios, broken thirds, rhythm and simple and compound meters. Students will have to turn in weekly practice logs every quarter, and have graded playing tests. Students will

also have to perform on Orchestra concerts for the Music Department throughout the year. Students will be encouraged to audition for All Region Orchestra, All State Orchestra and Solo and Ensemble. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

839FA: Honors Chamber Orchestra

Prerequisites; Audition required. Open to grades 7-12; Elective; full year; 1 credit

This course is a year-round advanced course for students who have advanced skills in orchestral string instruments. Students can only take this course by passing an audition, or the approval of the Director of Orchestras. Students will learn how to rehearse and perform Chamber Orchestra repertoire from grade levels 4-6 from the Baroque, Classical, Romantic, and Twentieth-Century music time periods. Students will also learn the correct performance practices for different genres of music from diverse cultures.

Students will have graded playing tests. The Chamber Orchestra will also have to perform concerts for the Music Department on and off-campus throughout the year. Students will be encouraged to audition for All Region Orchestra, All State Orchestra, and Solo and Ensemble. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

Visual Arts

802FA: Middle School Art

Grades 7 and 8: Elective; semester; .5 unit

Our Art 7 and Art 8 have now been combined into one Middle School Course. The course will be one step towards our Essential Idea of what a Graduate of Cardinal Newman is in regards to Art. We are to create creative problem solvers through the study of Elements of Art and Principles of Design, Art History, and the understanding of art through the Catholic lens and the history of art in the Catholic Church. The mediums we will cover are all of the courses offered in High School in regards to 2-D Design, which are Drawing, Painting, and Printmaking.

Middle School World Languages and Cultures:



Students are required to complete two full high school credits of the same world language in order to graduate from Cardinal Newman School.

	French	Spanish
7 th Grade		
8 th Grade	French I French II	Spanish I Spanish II

605FOR: French I

Prerequisite(s) - ELA MAP score range of 232-237 for middle school; full year; 1 credit

In French I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present, past and future tenses. Students will learn about French culture, numbers and the alphabet, and be able to discuss wants and needs, food and shopping, and home and school life. Studies will also include vocabulary and directions for finding one's way about. Students will learn to make comparisons and to speak about shopping, clothes, styles and money, vacation

activities, sports, and school activities.

606FOR: French II

Prerequisite(s) - Successful completion of French I; full year; 1 credit

In French I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present, past and future tenses. Students will learn about French culture, numbers and the alphabet, and be able to discuss wants and needs, food and shopping, and home and school life. Studies will also include vocabulary and directions for finding one's way about. Students will learn to make comparisons and to speak about shopping, clothes, styles and money, vacation activities, sports, and school activities.

609FOR: Spanish I

Prerequisite(s) - ELA MAP score range of 232-237 for middle school; full year; 1 credit

In Spanish I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present and past tenses. Studies will include Hispanic culture and history and students will discuss personal interests, likes and dislikes, characteristics, home and school life, food, and shopping. As students begin studying the past tense they will discuss places around town, household chores, party planning, sports and health, technology, daily routines, and vacation activities.

610FOR: Spanish II

Prerequisite – Successful completion of Spanish I; full year; 1 credit

Students will continue to learn other present tense formations as they discuss travel, daily routines, and commands. They will also produce formal and informal communication and be able to talk about the past using the preterite and imperfect, as well as expand cultural knowledge through a variety of media.

General Information for High School

Grades

Grades earned in a class will be reported as a numeric average in a range from 0-100.

Course Fees

Some courses may have a separate materials fee. These fees will be billed and collected by the Finance Director through FACTS accounts at the beginning of the semester in which the class is taken. Some courses and clubs may offer field trips, which are also billed through FACTS accounts.

Description of Weighted Courses

Dual Enrollment College Credit

College Credit courses are offered in association with the University of South Carolina. Students taking such courses follow the university curriculum and expectations, and they receive both high school and college credit simultaneously. These courses are offered on a faculty availability basis and with the continued support of the university. There will be an additional cost associated with these courses. Grades for College Credit courses are awarded additional weighting in the high school GPA. Placement will be by teacher recommendation and the students must also **meet the admissions requirements set by the University of South Carolina.**

Advanced Placement


Advanced Placement (AP) courses are high school courses that require in-depth and rigorous study of content, completion of extra projects and learning at an accelerated pace. Placement will be by grades earned in prior courses, the College Board PSAT indicator for success in AP courses, and teacher recommendation. **AP course students MUST take the AP Exam**; their chosen universities may or may not award advanced college credit. The Educational Testing Service charges a fee for each AP Exam, and students must pay the fee before taking the AP Exam(s). Payment for AP exams will be due in December or January and will be billed through FACTS. This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in the calculation of the student's Cardinal Newman GPA.

Honors

Similarly, Honors courses require in-depth and rigorous study of content, completion of extra projects, and learning at an accelerated pace. Honors courses are weighted more than CP courses but less than AP and College Credit courses.

Cumulative Grade Point Average (GPA)

Cumulative grade point average is computed at the end of each semester. All high school classes are used when determining GPA. Honors, AP, and College Credit courses are weighted

High School Graduation Requirements	Credits
English I- IV	4
Introduction to Research and Speech	.5
Mathematics (Algebra I, Geometry, Algebra II, Pre-Calculus CP, Pre-Calculus H, Calculus H, AP Calculus AB, AP Calculus BC, CP Stats, AP Stats, CSCE101 Intro to Computer Concepts, Personal Finance)	4.5
Lab Science (Biology, Chemistry and one other elective credit)	3
Social Studies (Credits MUST be in Contemporary World Geography, World History, U.S. History, Government. and Economics)	3.5
World Languages and Cultures (two credits in the same language)	2
Theology I - IV	3
Technology	1
Physical Education/Health	1
Fine Arts	1
Electives	1.5
Total Credits Required	25
Service Hour Requirements (9th-12th Grades)	Total: 90 Hours
	

High School English:

202ENG: AP Research

Prerequisite(s): Successful completion of AP-Weighted coursework with a score of 3 or greater in at least four AP-approved courses upon graduation, successful completion of AP Seminar. Placement by the principal, AP director, and grade-level guidance counselor; Grade 11 and 12; Elective; 1 credit

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

All students taking this course MUST pay for and take the AP Research exam in May.

This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in the calculation of the student's Cardinal Newman GPA.

255ENG: English 9 College Prep Composition and Selected Reading No Prerequisite; Grade 9; REQUIRED; full year; 1 credit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emphasis on thematic study. The literature that will be studied may include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Each unit of study is driven by an essential question. Students will engage in the writing process for a variety of situations, purposes and audiences, and will incorporate age-level appropriate analytical and research skills. Students will use the writing process - drafting, revising, and publishing – according to the MLA format. Students will be able to compose 2–4-page papers effectively and will create a portfolio of their writing.

256ENG: English 9 Honors Composition and Selected Reading

Prerequisite(s) – Successful completion of English 8 with an 88% or higher final grade in Honors-level or a 94% or higher in CP-level and ELA MAP score range of 232-237; Grade 9; REQUIRED; full year; 1 credit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. The literature that will be studied may include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Each unit of study is driven by an essential question. Students will engage in the writing process for a variety of situations, purposes and audiences, and to incorporate age-level appropriate analytical and research skills. Students will use the writing process - drafting, revising, and publishing – according to the MLA format. Students will be able to compose 3–5- page papers effectively and will create a portfolio of their writing.

*As an Honors course, English 9 Honors will cover more material in greater depth and with greater emphasis on student autonomy and critical thinking than in a comparable college preparatory class.

282ENG: English Grammar and Composition; 9-10 Grade; full year; 1 Credit

Prerequisite: By placement only.

English Grammar and Composition for high school students will focus on improving students' existing grammar and composition skills. Students will continue the study of grammar through the writing process as they concentrate on the basic modes of paragraph and essay writing with greater emphasis on the skills of editing and revising. In addition, students will begin to learn narrative writing, argumentative writing, and continue the effective use of research in writing. This course will place emphasis on student autonomy and the ability to think more critically.

257ENG: English 10 College Prep Composition and Selected Readings; Grade 9; full year; 1 credit. Prerequisite – Successful completion of English 9 CP; Grade 10; REQUIRED; full year; 1 credit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emphasis on historical study. Genre study will include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American and British origins. Each unit of study is driven by an essential question. Students will engage in the writing process for a variety of situations, purposes and audiences, and to incorporate age-level appropriate analytical and research skills. Students will use the writing process - drafting, revising, and publishing – according to the MLA format. Students will be able to compose 3–5-page papers effectively and will create a portfolio of their writing. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

258ENG: English 10 Honors Composition and Selected Readings

Prerequisite(s) – Successful completion of English 9 with an 88% or higher final grade in Honors-level or a 94% or higher in CP-level and ELA MAP score range of >238; Grade 10; REQUIRED: full year; 1 credit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on the historical study. The literature that will be studied may include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American and British origins. Each unit of study is driven by essential questions. Students will engage in the writing process for a variety of situations, purposes and audiences, and to incorporate age-level appropriate analytical and research skills. Students will use the writing process - drafting, revising, and publishing – according to the MLA format. Students will compose 5–10-page papers and will create writing portfolios. Additionally, students will study vocabulary with the purpose of integrating standardized testing strategies while broadening their vocabulary word base.

*As an Honors course, English 10 Honors will cover more material in greater depth and with greater emphasis on student autonomy and critical thinking than in a comparable college preparatory class.

259ENG: English 11 College Prep Composition and Selected Readings

Prerequisite-Success completion of English 10 CP; Grade 11; REQUIRED; full year; 1 credit

This course offers an in-depth study of literature including a sound pairing of both fiction and nonfiction selections with an emerging emphasis on thematic study. The literature that will be studied may include analysis of the novel, short story, dramatic readings, and poetry as well as essays, periodicals, biographies, and autobiographies and speeches. Students will analyze selections from American, British, and World origins. Each unit of study is driven by an essential question. Students will engage in the writing process for a variety of situations, purposes and audiences, and to incorporate age-level appropriate analytical and research skills. Students will use the writing process - drafting, revising, and publishing – according to the MLA format. Students will be able to compose 4–6-page papers and will create a portfolio of their work.

In preparation for the Senior Project, students will be introduced to argumentative writing, more sophisticated research skills including creating an annotated bibliography, and other rhetorical devices.

260ENG: English 11 Honors Composition and Selected Reading

Prerequisite(s): Successful completion of English 10 with an 88% or higher final grade in Honors-level or a 94% or higher in CP-level and a College Board PSAT/ AP Predictor; Grade 11; REQUIRED: full year; 1 credit

English 11 Honors, an alternative to English 11 CP and English 11 College-Credit will carry Honors weighting on the Cardinal Newman grading scale. This course includes reading and in-depth analysis of a variety of literary genres, writing critical analysis, and honing research practices. Throughout the year, students will read closely and analytically, will work to understand function and style in literature, and will respond to literature using synthesis of secondary sources and textual evidence for support. Students will read closely and critically and will write frequently. Students will be able to compose research-based arguments of 6-10 pages and will create a portfolio of their work.

In preparation for the Senior Project, students will be introduced to the Toulmin Method and will utilize more sophisticated research skills including creating an annotated bibliography and a detailed MLA outline and using other rhetorical devices.

232ENG: Introduction to Speech and Research

No Prerequisite—REQUIRED for all 11th - 12th grade; Semester; .5 credit

This one-semester course prepares students to research effectively, to determine credible and valid sources, and learn to use three citation methods. Students will conduct research across disciplines with a root focus on Catholic Social Justice Issues. Students will write research-based expository or argumentative essays that relate to their core courses of study (Social Studies, Theology, Science, English). Students will learn to develop a thesis and support it with evidence from credible sources. They will argue logically for a position both in speech and in writing. Students will create a portfolio of their writing and will make several presentations based upon their individual findings.

263ENG: AP English Language and Composition

Prerequisite(s): Successful completion of a 94% or higher in CP English 10 or 88% or higher in Honors English 10; AP Predictor for success; Grade 11; REQUIRED (may take in place of English 11 Honors); full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement English Language and Composition. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims, evidence, reasoning and organization, and style. This course places a major focus on writing rhetorical analysis, synthesis, and argument. **All students taking this course MUST take the AP English Language and Composition test in May. All AP courses come with a fee that will be billed through FACTS.**

This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in the calculation of the student's Cardinal Newman GPA.

262ENG: English 12 College Prep Composition and Selected Readings Prerequisite(s) – Successful completion of English 11 CP; Grade 12; REQUIRED; full year; 1 credit

This course is designed to complement the students' previous writing and critical reading training and to ensure their readiness for the demands of college. Students will be exposed to a variety of literary genres and rhetorical modes, and to a wide spectrum of writing processes. Students will practice generating, developing, writing, and revising ideas into working papers. Students will also learn to write strong

argumentative/persuasive pieces and will use credible sources to back up their opinions. Finally, students will be able to locate reliable sources, incorporate such information into their writing, and appropriately document said sources. Multiple drafts and collaborative peer review will be important elements of the class. Students will learn the Toulmin Method of Argumentation and will be able to compose 5–8-page papers utilizing direct and indirect citation and appropriate Works Cited documentation. This course will prepare students for successful completion of the Senior Project and prepare them for the rigors of college-level writing.

266ENG: English 12 Honors Composition and Selected Readings

Prerequisite(s) – Successful completion of English 11 with an 88% or higher final grade in Honors-level or a 94% or higher in CP-level. Grade 12

REQUIRED: full year; 1 credit

Building on the skills learned in ENG 11 Honors or English 101, the course focuses on in-depth analysis of various literary genres, critical reading of essays, understanding structure and logical fallacies, writing a variety of essays using different modes, supporting arguments, citing documentation, and improving writing practices in editing and revision. Students will write Toulmin, research-based argumentative papers of 7-10 pages and will create a portfolio of their writing. This course will provide students for the successful completion of the Senior Project and will prepare them for the rigors of college-level writing. The course carries Honors weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

264ENG: AP Literature and Composition

Prerequisite(s) Successful completion of a 94% or higher in CP English 11 or 88% or higher in Honors English 11 or AP Language and Composition; AP Predictor for success; Grade 12; REQUIRED (may take in place English 12 Honors); full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Literature and Composition. This course will focus on literature studies from American, British, and World Literature by genre: poetry, fiction, and drama. This rigorous course of study will be fast-paced and will require close reading. Critical writing skills should be in place before a student enrolls in this course. Throughout the year, students will read closely and analytically, will work to understand function and style in literature, and will respond to literature using synthesis of secondary sources and textual evidence for support. Students will be exposed to and will practice strategies involving critical reading, thinking, and writing in order to be prepared to sit for the ACT and SAT . **All students taking this course MUST take the AP English Literature and Composition test in May. All AP courses come with a fee that will be billed through FACTS.**

Strong close reading and writing skills should be in place before the student enrolls in this course. The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

261ENG: English 11 College Credit English 101- Critical Reading & Composition

Prerequisite(s): Successful completion of Honors English 10. Students may NOT elect this course. Placement is done by Cardinal Newman personnel based on the individual student's diligence and strength in reading, writing and critical thinking as well as the College Board PSAT indicator for success in an AP English course. University of South Carolina admission is required. 1 Credit to fulfill the CN requirement and 3 hours of USC college credit.

This semester course offers college credit for ENG 101 through the University of South Carolina, Sumter. The course includes close reading of both fiction and nonfiction with in-depth analysis of a variety of literary genres. Students will be required to write robust critical analyses and argumentative essays and will further develop and refine research practices. Students will transform some major essays into multimodal presentations. The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the students SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the University of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

265ENG: Dual Enrollment English 102 Rhetoric and Nonfiction

Prerequisite: Successful completion of 261ENG (ENG 101) with an 88 or higher on the final grade as well as the College Board PSAT indicator for success in an AP English course. The student must meet USC guidelines for acceptance as he/she is dually enrolled.

Students with a high AP Language and Composition score can skip English 101 and go straight to 102.

Grade 12 REQUIRED; 1 Credit to fulfill the CN requirement and 3 hours of USC college credit.

For students who qualify, this semester course offers college credit for ENG102 through the University of South Carolina, Sumter. Building on the skills learned in ENG101, the course focuses on critical close reading of mostly nonfiction texts, advanced research skills, and analysis of rhetorical device and structure. Students will write frequently using different modes of writing with a heavy emphasis on analytical and argumentative writing. Students will finesse editing and revision practices and must have a strong foundation in grammar. Students will present arguments orally and receive feedback. Students will strengthen research practices and create an annotated bibliography. The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the student's SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

234ENG: Debate

Prerequisite(s)-Successful completion of Speech and Research; Grades 10, 11, 12; Elective; semester; .5 credit

This class will concentrate on discussions and practice in formulating and structuring clear, effective arguments and counterarguments; achieving effective vocal and postural tones; studying rhetorical theory and technique from antiquity to the present; and working as a group to create an effective, competitive debate team.

High School Mathematics:

Note: A minimum of four credits of Math are required for high school graduation. Beginning with the Freshman Class of 2023-2024 four and one-half credits are required for high school graduation.

The recommended sequences of Math options for students are as follows:

Grade	College Preparatory Pathway		Honors Pathway		AP Pathway
Grade 9	-College Prep Algebra I -Personal Finance	-College Prep Geometry	-Honors Geometry -Personal Finance	-Honors Algebra II	-Honors Algebra II -Personal Finance
Grade 10	-College Prep Geometry	-College Prep Algebra II	-Honors Algebra II	-Honors Pre-Calculus	-Honors Pre-Calculus
Grade 11	-College Prep Algebra II	-College Prep Pre-Calculus -College Prep Probability and Statistics -CSCE101 Intro to Computer Concepts	-Honors Pre-Calculus -College Prep Probability and Statistics -CSCE101 Intro to Computer Concepts	-Honors Calculus -CSCE101 Intro to Computer concepts	-AP Calculus AB -CSCE101 Intro to Computer Concepts
Grade 12	-College Prep Pre-Calculus -College Prep Probability and Statistics	-College Prep Probability and Statistics -CSCE101 Intro to Computer Concepts	-Honors Calculus -AP Statistics -AP Calculus AB -CSCE101 Intro to Computer Concepts	-AP Calculus AB -AP Statistics -CSCE101 Intro to Computer Concepts	-AP Calculus BC -AP Statistics -CSCE101 Intro to Computer Concepts

- MAP Testing scores will be used by Cardinal Newman personnel to place students in the appropriate math courses that will challenge them. All math students will be required to take the MAP test through Geometry and Algebra II.
- Algebra I is the backbone of high school mathematics and prepares students for success in all subsequent mathematics courses. Therefore, it is crucial that all students are successful in Algebra I. Students in honors courses are expected to maintain an average of 88 or above. To move from a college prep-level to an honors-level course, students should have an average of 94 or above and a teacher recommendation.
- Beginning with Algebra I, students are REQUIRED to have a graphing calculator. The TI 84 Plus is highly recommended.
- Transfer students may be required to take a diagnostic test for placement.

304MTH: College Prep Algebra I

Prerequisite(s): Successful completion of CP Pre-Algebra and Math MAP score range <234; Grade 9; REQUIRED; full year; 1 credit

Topics include variables; grouping symbols, equations, translating sentences into equations, translating problems into equations and solving; the number line, absolute values, adding and subtracting, and multiplying and dividing integers, commutative and associative and distributive and identity properties, solving equations, using exponents, adding, subtracting and multiplying polynomials, transforming formulas, factoring, simplifying algebraic fractions, working with equations in two variables, linear equations, including calculation of slope, and writing the equation of a line.

305MTH: Honors Algebra I

Prerequisite(s): Successful completion of Pre-Algebra Honors with an 88% or higher or CP Pre-Algebra with a 94% higher final average and Math MAP score range 230-235; Grade 9; REQUIRED; full year; 1 credit;

The topics covered in this fast-paced class include adding, subtracting, multiplying, and dividing real numbers, polynomials, rational algebraic expressions, solving equations, factoring, graphing, and problem solving.

306MTH: College Prep Geometry

Prerequisite(s) – Successful completion of CP Algebra I and Math MAP score range 235- 240; Grade 10; REQUIRED; full year; 1 credit

This course is designed to familiarize students with plane and solid geometric figures and their relationships in planes and space as a foundation for the coordinate system as they relate to real world problem situations. Students are taught to use methods of inductive and deductive reasoning so that these methods become usable tools of learning, thinking, and understanding. It is also the purpose of geometry to learn accuracy in reasoning, originality in thought, the difference between reliable and unreliable information and to express data systematically. Topics include polygons, perimeter and area analysis, volume and surface area analysis, and trigonometry of the right triangle.

307MTH: Honors Geometry

Prerequisite(s) – Successful completion of Algebra I Honors with an 88% or higher final grade OR Algebra I CP with a 94% or higher final grade and Math MAP score range of 240-245; Grade 9-10; REQUIRED; full year; 1 credit

This course is designed to familiarize students with plane and solid geometric figures and their relationships in planes and space as a foundation for the coordinate system. Students are taught to use methods of inductive and deductive reasoning so that these methods become usable tools of learning, thinking, and understanding. This course will include topics covered in the CP Geometry curriculum. It will also include the development of students to reason logically and deductively based on the assumption of the basic principles of Algebra and the postulates, corollaries, theorems, definitions of geometry and developing the skills to write formal two-column proofs. The purpose of Geometry is to help students learn accuracy in reasoning, to utilize originality in thought, to discern the difference between reliable and unreliable information, and to express data systematically.

308MTH: College Prep Algebra II

Prerequisite(s) - Successful completion of CP Geometry and Math MAP score range of 235-240; Grade 9/11; REQUIRED; full year; 1 credit

This class is intended to provide students with foundations in fundamental operations with algebraic expressions, linear and quadratic equations, polynomials, systems of equations, factoring, functions, and solution of linear inequalities. This course will include graphing, complex numbers, and solution of radical equations.

309MTH: Honors Algebra II

Prerequisite(s)-Successful completion of Honors Geometry with an 88% or higher final grade or CP Geometry with a 94% or higher final grade and MAP score range 240-245; Grade 9-11; REQUIRED; full year; 1 credit

This course will include a more in-depth study of topics covered in the CP Algebra II curriculum. This fast-paced class builds on and deepens concepts from previous math courses. Students extend their study of foundational algebraic concepts, such as linear functions, equations and inequalities, quadratic functions, absolute value functions, and exponential functions, from previous mathematics encounters. Additionally, students study new families of functions that are also essential for subsequent mathematical application and applying mathematics in meaningful ways to solve problems that arise in the workplace, society, and everyday life through the process of modeling.

376MTH: College Prep Pre-Calculus

Prerequisite(s) – Successful completion of College Prep Algebra II and College Prep Geometry with an 94% or higher, and a Math MAP score >240; 10-11 REQUIRED; full year; 1 credit This course is designed to prepare students for Calculus and will develop students' critical thinking skills. The content of the course will include operations with graphs of functions (linear, piecewise-defined, step or greatest integer, polynomial, absolute value, rational, exponential, logarithmic, inverse, and trigonometric) as well as their application, and parametric functions.

314MTH: Honors Pre-Calculus

Prerequisite(s) – Successful completion of Algebra II Honors and Geometry Honors with an 88% or higher or successful completion of Algebra II CP and Geometry CP with a 94% or higher final grade AND a teacher recommendation. Math MAP score >245; 10-11 REQUIRED; full year; 1 credit

This course is designed to prepare students for Calculus and will develop students' critical thinking skills. The content of the course will include operations with graphs of functions (linear, piecewise-defined, step or greatest integer, polynomial, absolute value, rational, exponential, logarithmic, inverse, and trigonometric) as well as their application, and parametric functions.

316MTH: Honors Calculus

Prerequisite(s) – Successful completion of Pre-Calculus Honors with an 84% or higher final grade and PSAT/AP predictor for success; Grade 11 and 12; Elective; full year; 1 credit

Calculus Honors will focus on students' conceptual understanding of Analytical Calculus and Geometry with an emphasis on application of these concepts. More specifically, students will cover limits of functions with applications, derivatives of functions with applications, and integration of functions with applications. The course will promote multi-representational approaches to Calculus with concepts and solutions being expressed graphically, numerically, analytically, and verbally.

323MTH: AP Calculus AB

Prerequisite(s) – Successful completion of Pre-Calculus Honors with a 94% or higher final grade and PSAT/AP predictor for success; Grade 11 and 12; Elective; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement AB Calculus. AP Calculus AB is structured around three big ideas: limits, derivatives and integrals. The concept of limits is foundational; the understanding of this tool leads to the development of more advanced tools and concepts that prepare students to grasp the Fundamental Theorem of Calculus.

Important NOTE: The content of this course is very demanding and requires that students work diligently in order to be prepared for the AP exam in the spring. **All students taking this course MUST take the AP Calculus AB exam in May. All AP courses come with a fee that will be billed through FACTS.**

324MTH: AP Calculus BC

Prerequisite(s) – Successful completion of AP Calculus AB with a 94% or higher final grade and PSAT/AP predictor for success; Grade 12; Elective; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Calculus BC. AP Calculus BC is designed to develop mathematical knowledge conceptually, guiding the student to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. Calculus BC includes a thorough review and amplification all topics covered in Calculus AB plus additional pertinent topics, and it is designed to qualify the student for placement and credit in a course that is one course beyond what is granted for Calculus AB. NOTE: The content of this course is very demanding and requires that students work diligently in order to be prepared for the AP exam in the spring. **All students taking this course MUST take the AP Calculus BC exam in May. All AP courses come with a fee that will be billed through FACTS.**

The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

377MTH: Probability and Statistics

Prerequisites- Successful completion of Algebra I, Geometry, and Algebra II with a passing grade; Grade 11-12; REQUIRED; full year; 1 credit

This course includes the following topics: introductory probability, counting techniques, and probability distributions. Statistics topics include data organization, distributions, central limit theorem, confidence intervals, and hypothesis testing.

341MTH: AP Statistics

Prerequisite(s) – Successful completion of Algebra I, Algebra II, and Geometry with a 94% or higher final grade and PSAT/AP predictor for success; Grade 11-12; Elective; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Statistics. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students will use technology, investigations, problem-solving, and writing as they build conceptual understanding. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. **All students taking this course must pay for and take the AP Statistics exam in May.**

378MTH: Intro to Computer Concepts CSCE101 .5 credit and 3 hours of USC college credit.

History, application and social impact of computers; problem-solving, algorithm development, applications, software, and programming in a procedural language.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

325MTH: Personal Finance

Prerequisites - None; BEGINNING WITH THE FRESHMAN CLASS OF 2023-2024, STUDENTS WILL BE REQUIRED TO COMPLETE A ONE-HALF CREDIT IN FINANCIAL LITERACY TO EARN A SOUTH CAROLINA HIGH SCHOOL DIPLOMA. Grades 9-12; Elective; semester; .5 credit

A course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing.

Physical Education:



All students are required to complete 910PE Physical Education/Health or 913PE Speed and Strength Training for Athletes/Health for high school graduation.

912PE: Physical Education/Health

No Prerequisite; Grades 9-12; REQUIRED; .5 credit

The goal of this course is to introduce students to fitness and conditioning through physical education with an emphasis on fine motor skills. These skills are important in most physical activities as well as in life in general. Other areas that may be covered, but not limited to, include skills in teamwork, listening, and cardiovascular endurance. A major focus will be on fundamental movement patterns, learning to use a light to medium light load, and learning to develop healthy habits physically, mentally and emotionally. The fitness component presents a wide array of topics related to health, physical fitness, designing a personal fitness program, and maintaining a healthy lifestyle.

913PE: Speed and Strength Training for Athletes/Health

Prerequisites: Instructor/coach recommendation and current participation in Cardinal Newman athletics; Grades 8-9; .5 credit

This class will teach the fundamentals of how to improve speed and strength, as well as weight room safety and competitive expectations. The fitness component presents a wide array of topics related to health, physical fitness, designing a personal fitness program, and maintaining a healthy lifestyle.

The class is designed for Cardinal Newman athletes who have little or no weight room experience.

914PE: Advanced Speed and Strength Training for Male Athletes

Prerequisites: 913 PE; Placement by Varsity Coaches only – other students may NOT elect this class; participant MUST be an athlete on a VARSITY team; Grades 9, 10, 11, 12; .5 credit

This is an advanced course that will build upon the fundamentals taught in Speed and Strength Training for Athletes. The class is designed for Cardinal Newman **Varsity** athletes who are serious about functional speed and strength. It is **HIGHLY RECOMMENDED** that athletes participate in both semesters of the class because it will help prepare student them academically and physically for collegiate competition if that is their goal. Also, it can help to reduce injuries and improve the health and performance of high school athletes.

920PE: Advanced Speed and Strength Training for Female Athletes

913 PE; Placement by Varsity Coaches only – other students may not elect this class; participant MUST be an athlete on a VARSITY team; Grades 9-12; .5 credit

This is an advanced course that will work with female **Varsity** athletes to establish a fitness and weight-training regimen for them. The class is designed for Cardinal Newman female athletes who are serious about functional fitness, speed and strength. It is **HIGHLY RECOMMENDED** that athletes participate in both semesters of the class because it will help prepare student them academically and physically for collegiate competition if that is their goal. Also, it can help to reduce injuries and improve the health and performance of high school athletes.

937PE: Advanced Weight Training Prerequisites: 910 PE; Grades 9-12; .5 credit

This course will focus on weightlifting, conditioning and nutrition for the purpose of building muscle and increasing physical fitness. This class will provide a strong foundation of the benefits of resistance training and proper nutrition for a healthy lifestyle.

High School Science: 

All students are required to have three years of lab science (Biology and Chemistry are REQUIRED) for graduation. The recommended sequences are:

Grade	College Preparatory Pathway	Honors Pathway	AP Pathway
Grade 9	-College Prep Biology	-Honors Biology	-Honors Biology
Grade 10	-College Prep Chemistry	-Honors Chemistry	-Honors Chemistry

Grade 11	<u>Elective:</u> -Honors Astronomy (2024-2025) -Honors Anatomy -College Prep Environmental Science -College Prep Marine Science	<u>Elective:</u> -Honors Astronomy (2024-2025) -Honors Anatomy -Honors Physics -College Prep Environmental Science -College Prep Marine Science	<u>Elective:</u> -AP Biology -AP Chemistry -AP Environmental (2024-2025)
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404 SCI: College Prep Biology (a laboratory science)

Prerequisite(s) - Satisfactory completion of Physical Science; Grade 9; REQUIRED for Non-honors sequence; full year; 1 credit

Biology is the study of life and this course builds upon the student’s foundational learning and centers of the structure and function of cells, inheritance of traits, matter and energy relevant to living organisms, as well as the principles of natural selection and evolution. This course will incorporate the science and engineering practices and allow for application of content to real-world situations.

405SCI: Honors Biology (a laboratory science)

Prerequisite(s) – Successful completion of Honors Physical Science with an 88% or higher final grade in the Honors level or a 94% average in the CP level and ELA/Math MAP score range 234-239; Grade 9; REQUIRED for Honors sequence; full year; 1 credit

Biology is the study of life and this course builds upon the student’s foundational learning and centers of the structure and function of cells, inheritance of traits, matter and energy relevant to living organisms, as well as the principles of natural selection and evolution. This course will incorporate the science and engineering practices and allow for application of content to real-world situations. This course will also include more in-depth laboratory investigations as well as provide instruction of technical writing skills as appropriate for a science course.

413SCI: AP Biology (a laboratory science)

Prerequisite(s): Successful completion 90% or higher final grade in Honors Chemistry; and PSAT/AP predictor for success, Reading MAP score range >238; Grade 11-12; Elective; full year; 1 credit

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. The contents of this high school course meet the College Board requirements for Advanced Placement Biology. At the end of the year, the students will take the standardized Advanced Placement Biology exam which will determine their eligibility for advanced placement and/or credit in college Biology courses. This class may be used to fulfill the third lab science requirement. Completing the summer assignment is a prerequisite for the course. **All students taking this course MUST take the AP Biology exam in May. All AP courses come with an exam fee that will be billed through FACTS.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student’s Cardinal Newman GPA.

444SCI: College Prep Chemistry (a laboratory science)**Prerequisite: Satisfactory completion of Biology CP and Algebra I CP; Grade 10; REQUIRED for Non-honors Sequence; full year; 1 credit.**

This introduction to Chemistry course uses problem-solving techniques and hands-on laboratory investigations to relate chemistry concepts to everyday life. Students will examine the concepts of periodicity and atomic structure, bonding and chemical reactions, states of matter, and aqueous solutions.

446SCI: Honors Chemistry (a laboratory science)**Prerequisite(s): Satisfactory completion of 90% or higher final grade in Biology H and Geometry H and Math MAP score range 235-240; Grade 10; REQUIRED; full year; 1 credit.**

This introduction to Chemistry course uses problem-solving techniques and laboratory investigations to relate chemistry concepts to everyday life. Students will examine the concepts of periodicity and atomic structure, bonding and chemical reactions, states of matter, and aqueous solutions. This course will also include more in-depth laboratory investigations as well as provide instruction in technical writing skills as appropriate for a science course. A strong algebraic foundation is required.

415SCI: AP Chemistry (a laboratory science)**Prerequisite(s): Successful completion 90% or higher final grade in Honors Chemistry and Pre-Calculus Honors and PSAT/AP predictor for success, Grade 12; Elective; full year; 1 credit**

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. The contents of this high school course meet the College Board requirements for Advanced Placement Chemistry. At the end of the year, the students are given the standardized Advanced Placement Chemistry exam which will determine their eligibility for advanced placement and/or credit in college Chemistry courses. This course may be used to fulfill the third lab science graduation requirement. **All students taking this course course MUST take the AP Chemistry exam in May. All AP courses come with an exam fee that will be billed through FACTS.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

452SCI: Astronomy Honors (a laboratory science) (offered 2024-2025)**Prerequisites: Successful completion of Biology, Chemistry with an 84% or higher, and Algebra II or Geometry with an 84% or higher final grade; Grade 11-12; Elective; full year; 1 credit.**

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties, and motions of bodies in space. Emphasis shall be placed on concepts basic to Earth, including materials, processes, history, and the environment. This course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the contents of the entire universe. This course will provide the student with a study the universe, and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars. The size and scale of our solar system, galaxy, and universe; our Sun and our Moon; the constellations in our sky; both ancient and modern astronomers; how stars burn fuel; the methods scientists use to study distant stars; the birth, life, and death of stars; the planets within our own solar system; space exploration missions and the search for extraterrestrial life. This class may be used to fulfill the third elective lab science requirement.

453SCI: College Prep Marine Science (a laboratory science)

Prerequisites for this course include: Biology and Chemistry; Grade 11-12; Elective; full year; 1 credit

Marine Science is an introductory lab science course that provides an overview and appreciation of the marine environment. This course will explore the chemical composition of the oceans, the movement of ocean systems and their impact on the variety of ocean ecosystems: estuaries, intertidal, coral reef, and open ocean communities. An underlying theme of this course will encompass the impact humans have on the marine environment as well as the influence that oceans have on the globe as a whole.

408SCI: Honors Physics I (a laboratory science)

Prerequisite(s) - Satisfactory completion of both Algebra 1 and Geometry with an 90% or higher final grade. Concurrent enrollment in Algebra II or above, successful completion of Chemistry; Grade 11-12; Elective; full year; 1 credit

Physics 1 is a math-intensive algebra-based introductory physics course. Students cultivate their understanding of physics through classroom study, in-class activities, and hands-on laboratory work. Physics 1 explores Newtonian mechanics, work, energy, and power. This class may be used to fulfill the third elective lab science requirement.

450SCI: College Prep Environmental Science (a laboratory science)

Prerequisite: Satisfactory Completion of CP or Honors Biology and CP or Honors Chemistry; Grades 11-12; Elective; full year; 1 credit

Environmental science is designed to explore the interactions between Earth's natural systems and the demands placed on them by the human population. This course examines the scientific principles behind natural phenomena and resource cycles, explores how we utilize these systems and our impact, and potential solutions for the resulting consequences of resource mismanagement and exploitation.

455SCI: AP Environmental Science (a laboratory science) Offered in 2024-2025

Prerequisite(s) –Successful completion of Algebra I, Biology and Chemistry with an 90% or higher and PSAT/AP predictor for success, Reading MAP score range >238; Grades 11- 12; Elective; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Environmental Science. AP environmental science is the equivalent of an introductory college level course. It is an interdisciplinary subject including geology, biology, chemistry, geography. AP Environmental science employs scientific principles, concepts and methodologies to understand the interrelationships of the natural world. Through the study of Earth systems and resources, population, land and water use, energy resources and consumption, pollution, and global change, students identify and analyze natural and human-made environmental problems, evaluate their risks and examine possible solutions. **All students must take the AP Environmental Science exam in May. All AP courses come with an exam fee that will be billed through FACTS.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

456SCI: Human Anatomy and Physiology - H (a laboratory science)

Prerequisite Courses: Biology and Chemistry; Grades 11 & 12

Anatomy and Physiology is designed to familiarize students with the structure and function of the human body. This rigorous course is designed to provide a detailed examination of the anatomy and physiology of

the human body. A systematic analysis of the relationships of structure and function is conducted through lectures, lab, demonstration and simulation. Laboratory exercises, including dissection, comprise a major portion of this course. Formal lab reports and independent research are required. This course is excellent preparation for students interested in the health field.

High School Social Studies:



Grade	College Preparatory Pathway	Honors Pathway	AP Pathway
Grade 9	College Prep Contemporary World Geography	College Prep Contemporary World Geography	AP Human Geography
Grade 10	College Prep World History	Honors World History	AP World History
Grade 11	College Prep US History	Honors US History	AP US History AP Micro/Macroeconomics* (.5 credit)
Grade 12	College Prep Government (.5 credit) College Prep Economics (.5 credit)	College Prep Government (.5 credit) College Prep Economics (.5 credit)	AP Government & Pol AP Micro/Macroeconomics* (.5 credit)

*AP Microeconomics and AP Macroeconomics will be offered every other year and may be taken during a student’s junior year.

551SOC: College Prep Contemporary World Geography

No Prerequisite(s); REQUIRED; Grade 9; Semester; .5 credit

differences in the way that people move around the world, grow populations, and interact with their surroundings. Contemporary and historical examples will be used to highlight these patterns of interactions, as well as comparisons between more developed and less developed regions of the world. In this course, students will analyze the patterns and processes that the many facets of today’s world. This course takes a thematic approach to understanding the development of human systems and similarities and world. An emphasis will be placed on developing geographic skills including map interpretation, data comparison, and theory analysis.

552SOC: AP Human Geography

Prerequisites – Successful completion of US History 8 Honors of 94% or higher final grade; qualifying College Board PSAT indicator for success. REQUIRED (in place of Contemporary World Geography); full year; 1 credit The contents of this high school course meet the College Board requirements for Advanced Placement Human Geography. The purpose of the AP course in Human Geography is to introduce 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 human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Topics covered include Population demographics, regional linguistic development, rural/urban land use, the formation of borders, and more. The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the students' Cardinal Newman GPA. **All students taking this course MUST pay for and take the AP Human Geography exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

560SOC: College Prep World History: 1400 to Present

Prerequisite(s) – Satisfactory completion of Contemporary World Geography; REQUIRED; Grade 10; full year; 1 credit

In this course, students will develop an understanding of the historical roots of current world issues. Students will investigate the major turning points that shaped the modern world, from the late fifteenth century through the present. Key military campaigns, social movements, political ideologies, and economic shifts will be emphasized. Emphasis will be placed on critical thinking skills as students evaluate modern implications resulting from the significant events.

561SOC: Honors World History: 1400 to Present

Prerequisite(s) - Successful completion of Contemporary World Geography with an 84% or higher; Grade 10; full year; 1 credit

In addition to the required course material described in 560SOC, Recent Global Studies Honors students will be expected to investigate and explore selected topics in-depth and complete additional research, writing, and project components.

562SOC: AP World History

Prerequisite(s); Successful completion of Contemporary World Geography with a 94% or higher or AP Human Geography with an 88% or higher, and an 88% or higher in Honors English 9; qualifying College Board PSAT indicator for success in AP World History; Grade 10; REQUIRED (in place Honors World History); full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement World History. AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, and economic systems, social interactions and organizations, and the technology and innovation. **All students taking this course MUST pay for and take the AP World History exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

526SOC: College Prep US History

Prerequisite – Successful completion of CP or Honors World History; REQUIRED; Grade 11; full year; 1 credit

Students in this course will concentrate on the growth of the United States from the settlement of North America by natives to the 21st Century. The course will focus on the development of American identity over the course of its history, the causes and effects of American expansionism, and the impact of foreign policy decisions made by the United States on the global community. Particular attention will be given to the integration and analysis of primary sources as a method of historical inquiry.

528SOC: Honors US History

Prerequisite – Successful completion of Honors World History with an 88% or a 94% or higher in College Prep /world History and PSAT/AP Predictor for success; REQUIRED; Grade 11; full year; 1 credit

In addition to the description provided for 526 SOC, students will be expected to complete additional reading and writing in this honors-level class.

536SOC: AP U.S. History

Prerequisite – Successful completion of AP World History with an 88% or higher or Honors World History with a 94% or higher for a final grade in and a PSAT/AP predictor for success; REQUIRED (in place Honors U.S History); Grade 11; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement U.S. History. Daily lectures and rigorous note taking are utilized in achieving a college classroom environment. Students are expected to use analytic skills and factual knowledge to critically analyze events in U.S. History. They will assess historical materials, weigh evidence, and analyze and interpret historical documents. All students taking this course MUST pay for and take the AP U.S. History exam in May. The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

506SOC: U.S. Government

Grade 12; REQUIRED; Semester; .5 credit

United States Government provides a framework for understanding the nature and importance of responsible civic participation and for learning the rights and responsibilities of individuals in a constitutional democracy. The course enables students to explore the historical origins and evolution of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive, and judicial branches of the national, state, and local levels of government are examined. Students learn to draw conclusions about the impact and interrelationships of history, geography, and economics upon our system of government. They also learn to demonstrate an understanding of the governmental structures of the United States and other political systems, as well as the relationship of American government to world affairs. Students learn to analyze the roles of individuals and groups in the political process by identifying and analyzing political issues.

539SOC: AP U.S. Government and Politics

Prerequisite(s) -; Successful completion of AP U.S. History with an 84% or higher, or Honors U.S. History with a 91% or higher final grade; Grade 12; REQUIRED (in place of U.S. Government); full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement U.S. Government and Politics. This will be a survey course designed to be an introduction to political science. Topics will include the origin and development of constitutional democracy, federalism, intergovernmental relations, local government relations, parties, politics, political behavior, and the legislative, judicial, and executive branches of government. All students taking this course MUST pay for and take the AP U.S.

Government exam in May. The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

515SOC: Economics

Grade 12; REQUIRED; Semester; .5 credit

This course places emphasis on developing economic thinking skills at both the micro and macro levels. Topics covered in this class include decision making, economic structures, supply and demand, banking, the federal government's role in the economy, and the global economy.

540SOC: AP Macroeconomics (Offered in 2024-2025)

Prerequisite(s): Successful completion of Pre-Calculus Honors or AP Calculus with a 84% or higher and College Board PSAT indicator for success in an AP Economics class; Grades 11-12; REQUIRED (may take in place of Economics); Semester; .5 credit

This course is designed to give students an introduction to macroeconomics at approximately the college level. The course will give students an understanding of practical and institutional information related to national economies as well as theories of income and price determination. **All students taking this course MUST pay for and take the AP Macroeconomics exam in May.** Review sessions will be provided in the weeks leading up to the test. This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

541SOC: AP Microeconomics (Offered in 2023-2024)

Prerequisite(s): Successful completion of Pre-Calculus Honors or AP Calculus with an 84% or higher and College Board PSAT indicator for success in an AP Economics class; Grades 11-- 12; REQUIRED (may take the place of Economics); Semester; .5 credit

This course is designed to give students an introduction to microeconomics at approximately the college level. The course will give students an understanding of the principles of microeconomics that apply to individual decision-makers – both consumers and producers – within the economic system. **All students taking this course MUST pay for and take the AP Microeconomic exam in May.** This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

554SOC: Introduction to Psychology

No Prerequisites; Grades 11-12; Elective; Semester; .5 credit

This course is a survey with an introduction to the main theories, methods, and principles of psychology. Topics will include a brief history of psychology, human development, personality, abnormal behavior, social psychology, feelings and emotions, learning and memory, sleep and dreams, and research methodologies.

555SOC: AP Psychology

Prerequisites – Student must have strong writing skills and an 84% or higher in Honors or AP Social Studies class; Grade 11-12; Elective; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Psychology. AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. **All students taking this course MUST pay for and take the AP Psychology exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

501SOC: The American Presidents and the Western Tradition Honors

Prerequisite(s): Successful completion of Honors Social Studies coursework with an 84% or higher or CP Social Studies coursework with a 91% or higher; Grades 9-12; Elective; semester; .5 credit

We will study the ways in which the presidency as an institution, and the presidents in thought and action, are part of a larger range of expression and experience in the Western tradition. (Greece, Rome, the Bible, etc.) In a rigorous academic setting, students will think “outside of the box,” perform historical research, analyze sources, and learn to write a concise paper through application of skills. This course is intended to prepare incoming 9th and 10th graders for the AP Capstone program although it is open to other students as well. Topics studied include, but are not limited to, the deification and apotheosis of Washington; Jefferson and Adams reading the ancients; Lincoln and the Bible.

571SOC: True Crime

Prerequisite – Parental permission Grades 11 - 12; Elective; semester; .5 credit

This course will examine many of our nation’s most notorious crimes such as the Manson Family murders, the Jonestown Massacre, the Oklahoma City bombing, 9/11, Columbine and the crimes of Ted Bundy. Students will view, analyze, and discuss the factual evidence of the crimes and the impact these crimes have had on our society and culture. Students will also discuss what we can learn as a result of these tragedies and will be exposed to guest speakers from various fields of criminal justice, including medical examiners, law enforcement, forensic psychiatrists, and SLED criminal profilers.

572SOC: Ancient History I: Egypt and Mesopotamia

No Prerequisites; Grades 9-12; Elective; Semester; .5 credit

This course takes students on a journey throughout the Ancient Near East as they study the civilizations of Ancient Egypt and Mesopotamia. Students will study the history, language, and culture of these impressive civilizations that dominated Africa and Asia long before European contact. Units on Egypt will span the Old, Middle, and New Kingdoms, including Greek and Roman conquest, while the study of Mesopotamia will focus on the states of Sumer and Babylon. This course will also investigate the ways in which ancient near eastern civilizations interacted with each other over thousands of years, both through war and diplomacy. Emphasis will be placed on using primary and secondary sources in persuasive writing.

573SOC: Ancient History II: Greece, Rome and the Middle Ages

No Prerequisites; Grades 9-12; Elective; Semester; .5 credit (Completion of Ancient History I is not REQUIRED)

This course will take students through a history of Ancient Greece, Rome and the middle Ages. Students will study the foundations of western civilization through the lens of Graeco-Roman state institutions, philosophy, and culture, as well as the developments of the Middle Ages to create a uniquely Western identity. Special emphasis will be placed on developing students’ writing abilities and engagement with primary textual, artistic, and architectural sources in order to develop a solid foundation in persuasive writing and critical thinking.

High School Support Services:



Courses in this department are offered by Cardinal Newman School's certified learning support staff to assist students who need additional support in their classes to be successful.

050SS: Math Support for High School DeLaSalle Students REQUIRED; DeLaSalle students in grades 9, 10, 11 and 12; 1 credit High School DeLaSalle students will receive their math instruction in this class.

052SS: Study Skills for High School DeLaSalle Students

REQUIRED; DeLaSalle Program Students in Grades 9, 10, 11, 12; 1 credit

Students in the DeLaSalle Program will receive instruction from the certified Support Services personnel to ensure their success in adapting to the environment of an inclusive junior high experience.

High School Theology:



Students are required to take Theology for each year of study at Cardinal Newman School.

131THE: Catholicism 101 - Grades 9-12 (Transfer Students Only); Elective; Semester; .5 credit

This course is intended for all students new to a Catholic school, this course may be taught in conjunction with and in order to support the appropriate grade level Theology course. The course will introduce students to basic teachings of the Catholic Church with a strong focus on the role of the Sacraments, the structure and prayers of the mass, distinctly Catholic prayer types, and the roles of the pope, bishop, and priests.

121THE: Theology 9 - Divine Revelation Grade 9; REQUIRED; full year; 1 credit

This course examines the role of divine revelation in salvation history. This course will address sacred scripture as the written revelation of God himself. This course will examine the Old Testament specifically and focus on the development of the covenant between God and his chosen people. The course also will address Jesus Christ as the human embodiment of God's word to mankind. This course follows courses I and II of the United States Conference of Catholic Bishops (USCCB) Curriculum Framework.

122THE: Theology 10 – The Paschal Mystery

Grade 10; REQUIRED; 1 Credit

Through this course, students will understand the meaning of God's Revelation and key concepts related to Scripture, including Biblical inspiration, Biblical inerrancy, and the canon as well as the relationship between Scripture and tradition, and the role of the Magisterium during interpretation. Then, using Biblical criticism, students will focus on the twenty-seven books of the New Testament.

132THE: Theology 11-Morality Catholic Social Teaching - Grade 11; REQUIRED for ALL Juniors; semester; .5 credit

This course will explain the foundations of morality and its follow-through and practice in Social Justice. This directly feeds into the senior project, which focuses on modern social justice issues.

133THE: Theology 12- Apologetics-Sacraments/Vocations - Grade 12; REQUIRED for ALL Seniors; semester; .5 credit

Students will look at the relationship of faith and reason in determining the truths of the faith. They will evaluate objections to traditional morality and objective truth found in the world today. There will be discussions of logic, argumentation, and revelation in addition to explanation of doctrines and Dogmas of the Catholic Church. There will be a heavy reliance on magisterial teachings in order to deepen the students' understanding of the rationale for our faith-based beliefs and teachings.

This course will be a comprehensive examination of the Seven Sacraments of the Catholic Church. Students will examine each sacrament as described in the Catechism of the Catholic Church. In addition, students will examine each vocation, whether single life, married life, consecrated religious, or ordained, in connection with living a sacramental life.

129THE: Introduction to Philosophy

No prerequisite(s); Grades 10, 11 and 12; Elective; semester; .5 credit

This course is an introduction to logical and philosophical thought. Students will study the discipline of logic, the beginnings of philosophy, and the process of philosophical dialogue. The purpose of the course is to assist students in developing the tools needed for critical thinking, good decision making, and persuasive arguments.

130THE: Philosophy Honors

No prerequisites; Grades 11 - 12; Elective; semester; .5 credit

The goals of this course are to introduce the student to the schools of thought that are necessary for further philosophical study. These disciplines include Logic, Natural Philosophy, Metaphysics and Epistemology. Through a survey of these teachings, the student will have a grasp of the basic teachings of Western Philosophy.

High School Technology and Media



715TCH: Digital Business Applications I

No Prerequisites; REQUIRED. (All students should complete the course by the end of 10th grade); .5 credit

This class will prepare students to function effectively in today's digital world. The focus will be on the Windows-based Microsoft Office Suite. Students will also learn proper keyboarding techniques. Students will use Office programs to create work for college prep classes, college courses, and the business world. Essays, resumes, cover letters, spreadsheets, and PowerPoint presentations are just a few key works they will be able to create.

716TCH: Digital Business Applications II

Prerequisite –No prerequisite; REQUIRED. (All students should complete the course by the end of 10th grade); .5 credit

This class will focus on the use of the Google Suite apps Docs, Sheets, and Slides, alternative platforms to Microsoft Office Suite, to create and present information. Students will also become proficient in their use of iMovie to create movies combining video, images, and text. We will also have a unit on the basic principles of marketing, specifically in the digital world.

713TCH: Yearbook Production

No Prerequisite(s) - Grades 10, 11, 12; Elective; 1 credit

The ultimate goal of this program will be the publication of the Cardinal Newman Yearbook. Students will

participate in long-range planning and production management. Copy writing/editing, reporting, photography, marketing and design layout will be the basis of the course. Students will learn the discipline of meeting deadlines, a crucial aspect of any media production.

730TCH: Digital Art and Design 1

No Prerequisite(s); Grades 10 – 12; Elective; .5 credit

This visual arts and technology course will focus on an introduction to Adobe Illustrator. Students will learn programs toolbars, settings, and introductory level skills to complete multiple digital projects. Students will also work on file management and basic computer etiquette. An emphasis on design and elements of art will be taught to link both the studio arts and the graphic arts together. Students will learn how the basic elements of art will apply to multiple genres and mediums in the art world.

731TCH: Digital Art and Design 2

Prerequisite(s) - Digital Art and Design 1; Grades 10 – 12; Elective; .5 credit

This visual arts and technology course will focus on an introduction to Adobe Photoshop. Students will learn program toolbars, settings, and introductory level skills to complete multiple digital projects. Students will also work on file management and basic computer etiquette. Students will use their own personal cameras (or iPad) for photo taking. Lessons will be given on proper photography. An emphasis on design and elements of art will be taught to link both the studio arts and the graphic arts together. An emphasis will be placed on post-production use of what students created in 730 TCH and will focus on printing in various mediums including, but not limited to, paper, vinyl, and screen printing

742TCH: Introduction to Computer Programming (0.5 credit)

Prerequisite Courses: Digital Business and Algebra 1; Grades 9 - 12

The computer programming course, this course will build on abstraction that is needed in science to solve various types of problems. The course will review concepts of how a computer functions and the internet, and then students will concentrate on problems that involve data. The course will then focus on fundamental aspects of variables, functions, iterations, and data computed/analyzed, concentrating on several topics. Analytical skills may be necessary, along with an understanding of how to organize concepts and thoughts.

The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the student's SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

High School World Languages and Cultures:



Students are required to complete two full high school credits of the same world language in order to graduate from Cardinal Newman School. To begin this sequence, students start their language requirement in the 8th grade. Please see the sequence chart listed below.

	French	Spanish	American Sign Language
9th Grade	-French I -French II -Honors French III	-Spanish I -Spanish II -Spanish III -Honors Spanish III	-American Sign Language I
10th Grade	-French II -Honors French III	-Spanish II -Spanish III -Honors Spanish III -Honors Spanish IV	-American Sign Language II
11th Grade	-Honors French III -Dual Enrollment French	-Spanish III -Honors Spanish III -Honors Spanish IV -AP Spanish	-American Sign Language III
12th Grade	-Dual Enrollment French	-Honors Spanish IV -AP Spanish	

650FOR: American Sign Language 1

No prerequisite(s) - Grades 9-12; full year; 1 credit

This course is designed to acquaint students with the methods and techniques of learning and using American Sign Language (ASL). It will also introduce students to Deaf culture and its history by comparing and contrasting ASL with spoken English. This course adheres to the World Readiness Standards for Language Learning to ensure that students develop competence to communicate effectively and interact with cultural understanding of the Deaf community.

651FOR: American Sign Language II

Prerequisite(s) - Successful completion of Sign Language I; Grades 9-12; full year; 1 credit

Students will increase their proficiencies in the skills which they acquired in American Sign Language I including fingerspelling, numbers, facial grammar, ASL sentence structure and conceptual accuracy. Students will further develop the conversational and cultural behaviors necessary to hold a conversation and make classroom presentations in ASL. Mastery of grammatical concepts and language structures learned in American Sign Language I will be emphasized and refined. American Sign Language II will include a more in-depth understanding of ASL history, famous Deaf people, and cultural information in hopes to aid student awareness and appreciation for the Deaf community.

652FOR: American Sign Language III

Prerequisite(s) - Successful completion of Sign Language II Grades 9-12; full year; 1 credit

This course builds on skills learned American Sign Language II, adding more complex grammatical features and vocabulary used in increasingly complex constructs, narratives, and situational dialogues. In this course, emphasis will be placed on improvements in speed, automaticity, and fluency along with reinforcement of appropriate grammar usage and conversation skills. This course will introduce ASL idioms and their use within Deaf culture. Students will be encouraged to interact with Deaf people in social contexts and a variety of other situations.

605FOR: French I

No prerequisite(s) - Grade 9-12; full year; 1 credit

In French I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present, past and future tenses. Students will learn about French culture, numbers and the alphabet, and be able to discuss wants and needs, food and shopping, and home and school life. Studies will also include vocabulary and directions for finding one's way about. Students will learn to make comparisons and to speak about shopping, clothes, styles and money, vacation activities, sports, and school activities.

606FOR: French II

Prerequisite(s) - Successful completion of French I; full year; 1 credit

In French I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present, past and future tenses. Students will learn about French culture, numbers and the alphabet, and be able to discuss wants and needs, food and shopping, and home and school life. Studies will also include vocabulary and directions for finding one's way about. Students will learn to make comparisons and to speak about shopping, clothes, styles and money, vacation activities, sports, and school activities.

616FOR: Honors French III

Prerequisite(s) - Successful completion of French II with a 91 % or higher final grade; full year; 1 credit

French III reviews and builds on the grammar and vocabulary taught in French 2. In addition, students will study and practice the correct use of most widely used verb tenses. They will continue with more intense cultural studies, internet news broadcasts and more advanced readings including excerpts from

French language works such as *les Misérables* and *le Fantôme de l'Opéra*. The spoken word will be stressed and aided by the use of short videos produced in France.

628FOR: Dual Enrollment French (Fren 109)

Prerequisite(s) - Successful completion of French IV with a 91% or higher final grade and College Board PSAT/AP Predictor for success; full year; 1 credit and 3 hours of USC College credit

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the student's SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

609FOR: Spanish I

Prerequisite(s)-- For transfer high school students, a placement test may be administered; full year; 1 credit

In Spanish I, students will use all four language skills: listening, reading, speaking and writing to produce formal and informal communication as they study the present and past tenses. Studies will include Hispanic culture and history, and students will discuss personal interests, likes and dislikes, characteristics, home and school life, food, and shopping. As students begin studying the past tense they will discuss places around town, household chores, party planning, sports and health, technology, daily routines, and vacation activities.

610FOR: Spanish II

Prerequisite – Successful completion of Spanish I; full year; 1 credit

Students will continue to learn other present tense formations as they discuss travel, daily routines, and commands. They will also produce formal and informal communication and be able to talk about the past using the preterite and imperfect, as well as expand cultural knowledge through a variety of media.

611FOR: Spanish III

Prerequisite – Successful completion of Spanish II; full year; 1 credit

Students will continue to strengthen their communicative skills (reading, writing, speaking and listening) through further study of the language including but not limited to grammar moods that express the past, present, imperative, progressive and subjunctive tenses. Students will acquire more vocabulary and gain additional knowledge of target cultures.

618FOR: Honors Spanish III

Prerequisite(s) - Successful completion of Spanish II with a 91 % or higher final grade; full year; 1 credit

Students will continue to strengthen their communicative skills (reading, writing, speaking and listening) through further study of the language including but not limited to grammar that expresses the past, present, imperative, progressive, future, and conditional tenses in addition to the subjunctive mood.

612FOR: Honors Spanish IV

Prerequisite(s) - Successful completion of Spanish III with a 91 % or higher final grade , or Spanish III H with an 84% or higher final grade; full year; 1 credit

This course may be used to fulfill an elective requirement. In addition to elaborating on the skills already acquired, students will focus intensively on their communicative skills by applying the remaining grammar skills, which allow them to express the subjunctive and future tenses as well as those previously introduced. Writing, aural and oral expressions are vital to the course and will be assessed.

619FOR: AP Spanish Prerequisite(s) - Successful completion of Spanish IV H with a 91 % or higher final grade and College Board PSAT/AP Predictor for success; full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement Spanish. This course is designed to prepare students for the Advanced Placement Spanish Language and Culture exam and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products, practices, and perspectives. **All AP courses come with an exam fee that will be billed through FACTS. All students taking this course MUST take the AP Spanish exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

637FOR: Latin and Greek Roots of English

No prerequisites; ELECTIVE; Grades 10-12); .5 Credit

This course will study Latin and Greek roots and the English derivatives which come from them. Students will also learn how the roots change when they go through different languages in between Latin or Greek and English. This course will help prepare students for taking the SAT or ACT.

Performing Arts:

Music:

808FA: Cardinal Chorale

Prerequisite(s): Recommendation required (ability to match pitch required); Sight-reading factory L4/5 required; Grades 9-12; Elective; full year; 1 credit

This course is an extension of Cardinal Newman's premiere choral ensemble Cardinal Chorale. This class is for students at the intermediate singing level. Students who are placed in this class can read music confidently on a Sight-reading Factory Level 4 or 5 and demonstrate good knowledge of vocal technique. Open to all high school students upon recommendation of the CN Choral Director. Additionally, some advanced 8th grade students may be invited to audition. The group is held to the highest standards of choral literature and performance. Cardinal Chorale is an auditioned choir that is made up of a maximum of 40 singers. The repertoire of the Chorale covers all genres from the Renaissance era through contemporary compositions by living composers. The ensemble performs at various concerts/events at CN, in the Columbia Community, and is also the primary liturgical choir for all CN liturgies. Cardinal Chorale attends SCMEA's performance assessment and travels on a performance tour every other year. There are outside of class rehearsals and performances associated with this course.

810FA: Cardinal Chorale Honors

Prerequisite(s): Auditioned (ability to match pitch required); Sight-reading factory L5/6 required; Grades 9-12; Elective; full year; 1 credit

This class is for our most advanced singers and makes up Cardinal Newman's premier choral ensemble Cardinal Chorale. Open to all High School Students by choral director recommendation. Students in this class can sight read at sight reading factory level 5 or above and demonstrate an advanced level of vocal technique. The group is held to the highest standards of choral literature and performance. Cardinal Chorale is an auditioned choir that is made up of a maximum of 40 singers. The repertoire of the Chorale covers all genres from the Renaissance era through contemporary compositions by living composers. The ensemble performs at various concerts/events at CN in the Columbia Community and is also the primary liturgical choir for all CN liturgies. Cardinal Chorale attends SCMEA's performance assessment and travels on a performance tour every other year. There are outside of class rehearsals and performances associated with this course.

819FA: Music Theory I Honors

No Prerequisites; Grades 9-12; Elective; semester; .5 credit

This class is designed for students who have the desire to dig deeper into the fundamentals of music. In this class, students will be challenged to think critically, analytically, and creatively about music from all western music traditions. The course will consist of three major elements: analysis, creation, and performance--all essential skills of strong, independent musicianship. The course will begin with notation and culminate with a final composition project with basic Roman numeral analysis. This course includes both ear training and basic analysis skills. Students must see Mr. Cochrane for placement in the correct Music Theory class.

824FA: Dual Enrollment Introduction to Music; MUSC110

Prerequisite: Teacher recommendation; Grades 11-12; Elective; semester; .5 credit; 3 hours of USC College credit

Perceptive listening and appreciation of musical elements, forms, and style periods, including composers' lives, individual styles and representative works. Emphasis on classical music; jazz and American popular music included.

The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the student's SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

826FA: Beginning Band

No Prerequisites; Open to grades 7-12; Elective; full year; 1 credit

Beginning Band is Cardinal Newman's band course for students who have little or no experience playing traditional band instruments. The goal of this course is for students to gain the knowledge and fundamentals

necessary to advance to Intermediate Band and begin playing age-appropriate repertoire. Students will be required to attend some after and before school rehearsals and performances.

827 FA: CP Symphonic Band: Intermediate

Prerequisites; Audition required for transfer or new students. Opened to grades 7-12; full year; Elective; 1 credit

Intermediate Band is a concert ensemble and also makes up a portion of the Marching Band. Intermediate Band is Cardinal Newman's band course for students who have 1 to 3 years of experience on their instrument. If a student is a transfer or new student, they must audition to be in this group. The goal of this course is to further development of fundamental skills and to play age-appropriate repertoire, and to move on to the Advanced Band. The students in this group have the option to participate in the **Marching Band**, which plays at all home varsity football games, any televised game, and playoff games in the fall of each year. **There are outside required rehearsals and performances that are part of this course. Band camp prior to the start of school is required as part of this course.**

828 FA: Honors Symphonic Band

Prerequisites; Audition required for transfer students or new students; 9-12; full year; Elective; 1 credit

Advanced Band is the top concert band ensemble and makes up a portion of the Marching Band. Advanced Band is Cardinal Newman's band course for students who have 4 to 7 years of experience on their instrument. If a student is a transfer or new student, they must audition to be in this group. The goal of this course is to execute a high level of performance and prepare students for musical engagement beyond high school. The students in this group also participate in the **Marching Band**, which plays at all home varsity football games, any televised game, and playoff games in the fall of each year. **There are outside required rehearsals and performances that are required as part of this course. Band camp prior to the start of school is required as part of this course.**

845FA: Cardinal Newman Piano Studio

Prerequisite(s) – None; semester; Elective; .5 Credit

This course consists of private lessons designed to fit the student's skill level, from beginning to advance. Coursework includes basic piano skills, technique, sight-reading, piano literature, history, and music theory. The student must have access to an instrument for daily practice. An acceptable piano for practice is acoustic or digital but must have 88 weighted keys and a functional damper pedal. Occasionally, group classes will be held after school or when permitted for students to play for each other and learn to give constructive criticism. Students will also be expected to perform in a recital setting at some point during the term for a major portion of their grade. Course Fee: \$400/Semester.

842FA: Honors Cardinal Newman Piano Studio

Prerequisite(s)– None; Elective; semester; .5 Credit

This course consists of private lessons designed to fit the student's skill level, from beginning to advance. Coursework includes basic piano skills, technique, sight-reading, piano literature, history, and music theory. The student must have access to an instrument for daily practice. An acceptable piano for practice is acoustic or digital but must have 88 weighted keys and a functional damper pedal. Occasionally, group classes will be held after school or when permitted for students to play for each other and learn to give constructive

criticism. Students will also be expected to perform in a recital setting at some point during the term for a major portion of their grade. Students who are enrolled in the honors course will have a research component along with extra performance expectations associated with the course to earn honors level credit. Course Fee: \$400/Semester.

844FA: Cardinal Newman Organist Academy

Prerequisite(s) – None; Elective; semester; .5 Credit

THE ORGANIST ACADEMY, to address a need for professionally trained organists to serve the liturgy of the Roman Catholic Church, seeks to discover young faith-filled students in whom God has created a musical talent, to offer an exploration of a possible vocation in church music. WHO MAY APPLY? Any rising 6th – 11th grader with, or without a piano background may apply. STUDENTS WITH NO PRIOR KEYBOARD SKILLS enter a custom curriculum designed to teach the student basic piano/keyboard skills. There are two grades of assessment before beginning organ training (see below). STUDENTS WITH EXISTING KEYBOARD SKILLS may enter Organ Training Grade 1 after completing a Grade 1 and 2 Keyboard Skills workbook with the instructor. Completion of the workbook may take only one lesson or several lessons depending on the level of existing keyboard skills. 48 STUDENTS ENROLLED IN CARDINAL NEWMAN ORGANIST ACADEMY participate in one organ-crawl each school year, visiting one or two pipe organs in the Columbia/West Columbia area. On these organ-crawls, students go inside a pipe organ to see close-up, how everything works: pipes, chests, console, wind blowers, etc. Students also try out their new organ pieces on the organs visited. Also, students enrolled in Cardinal Newman Organ Academy are eligible to attend summer Pipe Organ Encounters (POE) sponsored by American Guild of Organists (AGO). POE is a four or five-day event for students 13-18 years of age, organized by a local AGO chapter under the sponsorship of the national organization. It introduces participants to the world of the pipe organ, provides an opportunity for participants to have individual and group instruction from visiting organ professors, and provides a unique opportunity for participants to meet and interact with peers who have similar interests. For more information visit www.agohq.org/education/poe. Course Fee: \$400/Semester.

843FA: Honors Cardinal Newman Organist Academy

Prerequisite(s) – None; Elective; semester; .5 Credit

THE ORGANIST ACADEMY, to address a need for professionally trained organists to serve the liturgy of the Roman Catholic Church, seeks to discover young faith-filled students in whom God has created a musical talent, to offer an exploration of a possible vocation in church music. WHO MAY APPLY? Any rising 6th – 11th grader with, or without a piano background may apply. STUDENTS WITH NO PRIOR KEYBOARD SKILLS enter a custom curriculum designed to teach the student basic piano/keyboard skills. There are two grades of assessment before beginning organ training (see below). STUDENTS WITH EXISTING KEYBOARD SKILLS may enter Organ Training Grade 1 after completing a Grade 1 and 2 Keyboard Skills workbook with the instructor. Completion of the workbook may take only one lesson or several lessons depending on the level of existing keyboard skills. 48 STUDENTS ENROLLED IN CARDINAL NEWMAN ORGANIST ACADEMY participate in one organ-crawl each school year, visiting one or two pipe organs in the Columbia/West Columbia area. On these organ-crawls, students go inside a pipe organ to see close-up, how everything works: pipes, chests, console, wind blowers, etc. Students also try out their new organ pieces on the organs visited. Also, students enrolled in Cardinal Newman Organ Academy are eligible to attend summer Pipe Organ Encounters (POE) sponsored by American Guild of Organists (AGO). POE is a four or five-day event for students 13-18 years of age, organized by a local AGO chapter under the sponsorship of the national organization. It introduces participants to the world of the pipe organ, provides an opportunity for participants to have individual and group instruction from visiting organ

professors, and provides a unique opportunity for participants to meet and interact with peers who have similar interests. For more information visit www.agohq.org/education/poe. Course Fee: \$400/Semester.

Students who are enrolled in the honors course will have a research component along with extra performance expectations associated with the course to earn honors level credit.

835FA: Beginning Orchestra

No Prerequisites; Open grades 7-12; Elective; full year; 1 credit

Beginning Orchestra This course is a year-round entry-level course for students who have never played an orchestral string instrument before, or have a very limited experience. Students will learn the proper way to hold their instrument and bow, read notated music for their instrument, and learn basic music theory about rhythm, meter, pitch, key signatures and scales (one octave). The Essential Elements Book 1 is required for this course. Students will have to turn in weekly practice logs every quarter, and have graded playing tests. Students will be able to perform Grade Level 1 music by the end of this course. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

836FA: String Orchestra

Prerequisites; Audition required for transfer or new students. Open to grades 7-12; Elective; full year; 1 credit

String Orchestra (Intermediate) is a year-round intermediate level course for students who have two years or more experience on an orchestral string instrument. Students will learn how to rehearse and perform music of grade levels 2-4. Students will also learn the correct performance practices for different genres of music from diverse cultures. Students will be tested on basic music theory: intervals, major and minor scales (two and three octaves), arpeggios, broken thirds, rhythm and simple and compound meters. Students will have to turn in weekly practice logs every quarter, and have graded playing tests. Students will also have to perform on Orchestra concerts for the Music Department throughout the year. Students will be encouraged to audition for All Region Orchestra, All State Orchestra and Solo and Ensemble. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

839FA: Honors Chamber Orchestra

Prerequisites; Audition required. Open to grades 7-12; Elective; full year; 1 credit

This course is a year-round advance course for students who have advanced skills on orchestral string instruments. Students can only take this course by passing an audition, or the approval of the Director of Orchestras. Students will learn how to rehearse and perform Chamber Orchestra repertoire from grade levels 4-6 from the Baroque, Classical, Romantic, and Twentieth-Century music time periods. Students will also learn the correct performance practices for different genres of music from diverse cultures. Students will have graded playing tests. The Chamber Orchestra will also have to perform concerts for the Music Department on and off campus throughout the year. Students will be encouraged to audition for All Region Orchestra, All State Orchestra and Solo and Ensemble. Students will learn how to rehearse and perform together in an ensemble, and respect each other based on Catholic values.

838 FA: Percussion Class

Prerequisite(s): Audition required for transfer students or new students;

Grades 9-12; full year; 1 credit

Percussion Class is a division of the Symphonic and Marching Bands. During the school days students are divided into classes by instrument, allowing students to receive more one-on-one instruction during class. part of this course.

848FA: Colorguard: Prerequisite: Audition and Instructor Recommendation; Grades 9-12; .5 credit; Fall Semester

Color Guard is a performance based ensemble emphasizing the fundamentals of body and equipment movement through choreographed routines and drill design. The Color Guard functions as an auxiliary unit to the marching band in the fall. Performances include marching band activities and a Winterguard competition circuit through Carolina Winter Ensemble Association (CWEA) second semester.

This course will be taught as a Pass/Fail course.

Drama:

851FA: Drama I

No Prerequisite; Grades 9-12; Elective; semester; .5 credit

Students will survey the following aspects of theater production: staging, theatrical styles, and acting. In addition to academic work in the history of theatre, students will spend a good portion of the course performing and writing scenes, building sets and practicing the basic components of stage, costume and make-up design. \$20.00 fee.

821FA: Drama II – Advanced Acting

Prerequisite(s) – Drama I OR two semesters of participation in play production and the recommendation of the course instructor; Grades 9-12; Elective; semester; .5 credit

This class will build on the acting and directing techniques learned in Drama I in order to prepare the student for refined, exceptional scene and play preparation. Students will spend time performing intense direction and performance sequences and will work with their peers to produce different scenes from several different periods and styles. \$20.00 fee.

862FA: Drama III Honors — Directing Lab

Prerequisite(s)—Completion of Drama 1 and 2 or two semesters of participation in a play production AND approval of Course Instructor; semester; .5 credit

This one-semester course will introduce students to intensive theatrical production leadership. Students will direct and design scenes and short productions of their own. With the assistance of the course instructor and their peers, students will choose, pre-read, edit, and direct a number of short scenes. They will also design lights, sound, sets, make-up and costumes for pieces of their own choosing. This course will culminate in a school performance at semester's end. \$20.00 fee.

859FA: Musical Theater Honors

Prerequisite(s)—Junior Drama, Drama I and II, OR instructor audition/approval; Grades 7-12; Elective; semester; .5 credit

This course is for the student who is interested in performing in Musical Theater. Students will have the opportunity to create an audition, rehearse and perform scenes/a show from the Broadway genre. The course will introduce students to techniques used by actors to perform musical numbers with skill and dynamics. Performances are required by all students and will be both in-class and main-stage productions. Students will obtain training and skills associated with Musical Theater: singing, acting, movement/choreography, staging, and using correct terminology and vocabulary in written and oral discussion. \$30.00 fee.

860FA: Honors Shakespeare

Prerequisite(s)—None; Grades 9-12; Elective; semester; .5 credit

This course is a survey of Shakespeare's major dramatic works, and an in-depth exploration of six to eight works of Comedy, Tragedy, History and Romance. Students will master elements of performance, history, and poetry. Students will also receive coaching in the preparation of powerful Shakespearean monologues and multi-person scenes, and will move toward the creation of full-scale productions. Other subjects that the course will cover will include costume design, landmark productions through history, text analysis, and stage design.

863FA: Dual Enrollment Fundamentals of Acting; USC THEA 170

Prerequisite(s) Performance or participation in a production or completion of any Drama course, or permission from course instructor.; Grades 11-12; Elective; semester; .5 credit

Introduction to the art and craft of acting. Practical exploration through improvisation and scripted scene work. Includes a brief history of the development of modern acting techniques.

The course carries the Advanced Placement (AP) weighting on the SCUGP grading scale and is figured as such in calculation of the student's SCUGP GPA.

In order to take this course, students must qualify for admission to the dual enrollment program through the university of South Carolina. Students must take the course for college credit and are responsible for paying the college tuition.

Students who register for this course must complete the USC College Credit application packet which will be available in Guidance. Completed packets MUST be returned to Mrs. Mann in Guidance.

Visual Arts:**880FA: Introduction to Drawing**

No prerequisite; Grades 9-12; Elective; semester; .5 credit

This semester long course will focus primarily on drawing and its various mediums. Mediums will include but are not limited to pencil, charcoal, colored pencils, and graphite. Students will explore the elements of art, the principles of design, and art history to create symbols to convey meaning. They will also learn how to compare and contrast works of art, use art vocabulary, and make connections between visual

arts and other disciplines. Lessons will be structured to encourage perceptual awareness and develop critical thinking skills. This course along with one other introductory 2-D art course will allow you to move into the year-long Advanced Art offering. *Course fee for materials is \$35 per semester.*

882FA: Introduction to Painting

No prerequisite; Grades 9-12; Elective; semester; .5 credit

This semester long course will focus primarily on painting and its various mediums. Mediums will include but are not limited to acrylic, watercolor, and oil. Students will explore the elements of art, the principles of design, and art history to create symbols to convey meaning. They will also learn how to compare and contrast works of art, use art vocabulary, and make connections between visual arts and other disciplines. Lessons will be structured to encourage perceptual awareness and develop critical thinking skills.

Course fee for materials is \$35 per semester.

883FA: Painting II

Prerequisite(s): Painting I; Grades 10-12; Elective; semester; .5 credit

This is an advanced painting course exploring the areas of still-life, portrait, landscape, and abstract paintings using acrylics, watercolors and oil-based paints. Students will focus on developing technique, content, personal expression and style. The course projects will further advance understanding of the formal elements of drawing through various media, as well as develop conceptual possibilities within the art work. *Course fee for materials is \$35 per semester*

884FA: Introduction to Printmaking

No prerequisite; Grades 9-12; Elective; semester; .5 credit

This semester course will focus primarily on printmaking and its various mediums. Mediums will include but are not limited to block printing, vinyl/rubber printing, screen printing, and lithography. Students will explore the elements of art, the principles of design, and art history to create symbols to convey meaning. They will also learn how to compare and contrast works of art, use art vocabulary, and make connections between visual arts and other disciplines. Lessons will be structured to encourage perceptual awareness and develop critical thinking skills. *Course fees for materials is \$35 per semester.*

890FA: Ceramics I

No prerequisite; grades 9-12; Elective; semester; .5 credit

This semester long course introduces students to the basics of working with clay. Hand building techniques of slab, coil and pinch construction will be our main focus. Surface decoration, the process of firing and an introduction to traditional and contemporary artists are additional areas of concentration. Note: required fee for materials \$35 per semester.

891FA: Ceramics II

Prerequisite – Ceramics I; Grades 9-12;

Elective; semester; .5 credit

This semester long course continues developing students' skills in hand-building techniques while spending a little more time on the wheel. Refining the form, surface decorating and assemblage will be our focus. *Course fees for materials \$35 per semester*

892FA: Advanced Ceramics

Prerequisite(s)– Ceramics I and II; Grades 10-12; Elective; semester; .5 credit

This semester-long course gives our students more time to explore the many possibilities of working with clay. We will further develop hand-building and wheel-throwing skills, giving more emphasis to refined three-dimensional design and surface decoration. Contemporary as well as traditional artists, their techniques and career paths will be explored.

Course fees for materials is \$35 a semester

898FA AP 2-D & AP 3-D ART

Prerequisite(s): Completion of at least two intro high school level Art Course, and Art teacher recommendation; Grades: 11-12; Elective; Full Year; 1 credit

AP Art at Cardinal Newman is attended for anyone who has taken a high school art course who would like to potentially earn a college credit in Art. Most degrees in college require some type of art credit. This will be an opportunity for students to earn this credit, even if they do not plan to study Art in college. We will create a portfolio throughout the semester, which will be what we submit for grading by the College Board for potential AP credit. Students will be taught how to perform a sustained investigation through inquiry, research, reflection, revision, and experimentation to create their portfolio of original work.

Course fee for materials is \$100 for the full-year course



CARDINAL NEWMAN AP COURSES, DESCRIPTIONS, AND RECOMMENDED PREPARATION

The following are the AP courses offered at Cardinal Newman School. Course descriptions are taken directly from College Board publications. Recommendations for prerequisite preparation are taken from College Board sources as well as Cardinal Newman AP teachers, counselors, and student experiences/best practices.

AP Courses are rigorous. They require a significant academic commitment both inside and outside the classroom. Extensive reading and writing will be part of day-to-day course expectations. For all AP courses, students should have outstanding performance in prior honors coursework. They must likewise have an ability to work independently and to balance their heavy academic loads with their extracurricular responsibilities. Summer assignments and after school/Saturday work sessions may be required. **All students taking these courses must pay for and take the AP exam in May.**

POTENTIAL AP OFFERINGS AT CARDINAL NEWMAN BY GRADE LEVEL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
AP Human Geography	AP World History	AP Psychology	AP Psychology
		AP United States History	AP United States Government & Politics
	AP Music Theory*	AP Macroeconomics**	AP Macroeconomics**
		AP Microeconomics**	AP Microeconomics**
		AP Research	AP Research
		AP English Language And Composition	AP English Literature and Composition
		AP Chemistry	AP Chemistry

		AP Environmental Science **	AP Environmental Science **
		AP Physics 1	AP Physics 1
		AP Biology	AP Biology
		AP Calculus AB	AP Calculus AB
			AP Calculus BC
		AP Statistics	AP Statistics
		AP Spanish	AP Spanish
		AP Music Theory*	AP Music Theory*
		AP Studio Art 2D AP Studio Art 3D	AP Studio Art 2D AP Studio Art 3D

* Requires teacher permission for this grade level

**Some AP courses run every other year



The AP Capstone Diploma Program:

AP Capstone™ is an innovative diploma program from College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP® courses—AP Seminar and AP Research—and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses.

Cardinal Newman School is distinguished as one of the 2500 schools in the nation who has been approved to offer the Capstone Diploma Program

In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments.

AP Seminar is a prerequisite for AP Research. Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research. In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work.

The AP Capstone program aims to empower students by:

- engaging them with rigorous college-level curricula focused on the skills necessary for successful college completion
- extending their abilities to synthesize information from multiple perspectives and apply skills in new situations and cross-curricular contexts
- enabling them to collect and analyze information with accuracy and precision
- cultivating their abilities to craft, communicate, and defend evidence-based arguments, and
- providing opportunities for them to practice disciplined and scholarly research skills while exploring relevant topics that appeal to their interests and curiosity.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

For more information, speak to your guidance counselor and visit <https://apcentral.collegeboard.org/pdf/ap-seminar-course-and-exam-description.pdf?course=about-ap-capstone-diploma-program>.

Note: All program material has been borrowed from AP Central.

AP CAPSTONE COURSES

AP RESEARCH

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Successful completion of AP Seminar (grade C) with an average of at least 74 or better and with successful AP exam performance.

Description from the College Board:

“AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based

investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000– 5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

AP ENGLISH COURSES

AP ENGLISH LANGUAGE AND COMPOSITION

Typical Grade Level: Grade 11 and 12

Recommended Preparation:

Grades of A or high B (at least an 84 average) in 9th, 10th, and/or 11th grade honors English
Students should be able to read and comprehend college-level texts and apply the conventions of standard written English in their writing.

Description from the College Board:

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts— including images as forms of text— from a range of disciplines and historical periods.

An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers’ intentions and elicit readers’ responses in particular situations.

AP ENGLISH LITERATURE AND COMPOSITION

Typical Grade Level: Grade 12

Recommended Preparation:

Successful completion of AP English Language (grade C or better with successful AP exam performance)
OR Grades of A or high B (at least an 84 average) in 9th, 10th, and 11th grade honors English
Students should be able to read and comprehend college-level texts and apply the conventions of standard written English in their writing.

Description from the College Board:

“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.”

AP MATHEMATICS COURSES

AP CALCULUS AB

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Grade of A or B (at least an 84 average) in Honors Pre-Calculus or Honors Calculus.

From the College Board: “Before studying calculus, all students should complete the equivalent of four years of secondary mathematics designed for college-bound students: courses which should prepare them with a strong foundation in reasoning with algebraic symbols and working with algebraic structures. Prospective calculus students should take courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions. In particular, before studying calculus, students must be familiar with the properties of functions, the composition of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeroes, intercepts, and descriptors such as increasing and decreasing). Students should also know how the sine and cosine functions are defined from the unit circle and know the values of the trigonometric functions at the numbers 0 , $\pi/6$, $\pi/4$, $\pi/3$, $\pi/2$, and their multiples.”

Description from the College Board:

“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.”

AP CALCULUS BC

Typical Grade Level: Grade 12

Recommended Preparation:

Grade of C or better (at least a 74 average) in AP Calculus AB with successful exam performance on the AP Calculus AB exam (grades of A or B highly recommended)

Description from the College Board:

“AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. 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.”

AP STATISTICS

Typical Grade Level: Grade 10, 11, or 12

Recommended Preparation:

Grade of A or high B (at least an 84 average) in Algebra 2 Honors; concurrent enrollment or

prior completion of Pre-Calculus Honors

Description from the College Board:

“The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.”

AP SCIENCE COURSES

AP BIOLOGY

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Grades of A or high B (at least an 84 average) in Biology 1 Honors and Chemistry 1 Honors

Description from the College Board:

“AP Biology 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.”

AP CHEMISTRY

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Grades of A or high B (at least an 84 average) in Chemistry 1 Honors and Algebra 2 Honors

Description from the College Board:

“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. This course requires that 25 percent of the instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry based), and it is recommended that students keep a lab notebook throughout.”

AP ENVIRONMENTAL SCIENCE

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Grades of A or high B (at least an 84 average) in Biology 1 Honors, Chemistry 1 Honors, and Algebra 2 Honors

Description from the College Board:

“The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the

natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.”

AP SOCIAL STUDIES

AP HUMAN GEOGRAPHY

Typical Grade Level: Grade 9

Recommended Preparation:

Grades of A or high B (at least an 84 average) in 8th-grade Honors Social Studies and English/Language Arts coursework; recommendation of 8th-grade Social Studies teacher
Students should be able to read college-level texts and apply the conventions of standard written English in their writing.

Description from the College Board:

“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).”

AP WORLD HISTORY

Prerequisite(s); Successful completion of Contemporary World Geography with a 94% or higher or AP Human Geography with an 88% or higher, and an 88% or higher in Honors English 9; qualifying College Board PSAT indicator for success in AP World History; Grade 10; REQUIRED (in place Honors World History); full year; 1 credit

The contents of this high school course meet the College Board requirements for Advanced Placement World History. AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, and economic systems, social interactions and organizations, and the technology and innovation. **All students taking this course MUST pay for and take the AP World History exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student’s Cardinal Newman GPA.

AP UNITED STATES HISTORY

Typical Grade Level: Grade 11

Recommended Preparation:

Successful completion of AP European History (grade C or better with successful AP exam performance) or Grades of A or high B (at least an 84 average) in 9th and 10th grade honors English and social studies coursework

Students should be able to read a college-level textbook and write grammatically correct

complete sentences.

Description from the College Board:

“AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: 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.”

AP UNITED STATES GOVERNMENT AND POLITICS

Typical Grade Level: Grade 11 or 12 (offered every other year)

Recommended Preparation:

Grade of A or high B (at least an 84 average) in AP or Honors United States History
Students should be able to read a college-level textbook and write grammatically correct complete sentences.

Description from the College Board:

“AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.”

AP MICROECONOMICS

Typical Grade Level: Grade 11 or 12 (offered every other year)

Recommended Preparation:

Grade of A or high B (at least an 84 average) in AP or Honors United States History
Students should be able to read a college-level textbook and write grammatically correct complete sentences.

Description from the College Board:

“AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students’ familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.”

AP MACROECONOMICS

Typical Grade Level: Grade 11 or 12 (offered every other year)

Macroeconomics is a college-level course that introduces students to 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 course will give students an understanding of practical and institutional information related to national economies as well as theories of income and price determination. All students taking this course must take the AP Macroeconomics Test in May. Review sessions will be provided in the weeks leading up to the test. This course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student's Cardinal Newman GPA.

AP PSYCHOLOGY

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Grade of A or high B (at least an 84 average) in prior Honors English and social studies coursework. Students should be able to read a college-level textbook and write grammatically correct complete sentences.

Description from the College Board:

“The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.”

AP FINE ARTS COURSES

AP MUSIC THEORY

Typical Grade Level: Grade 11 or 12 (Grade 10 only with teacher permission)

Recommended Preparation:

Extensive music experience and teacher recommendation; students should be able to read and write musical notation, and students should possess performance skills in voice or on an instrument.

Description from the College Board:

“The AP Music Theory course corresponds to one or two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.”

AP STUDIO ART: 2-DIMENSIONAL DESIGN, 3-DIMENSIONAL DESIGN, AND DRAWING

Typical Grade Level: Grade 11 or 12

Recommended Preparation:

Extensive prior coursework in visual art; teacher recommendation; experiences in studio art courses that address conceptual, technical, and critical thinking skills are vital to student success in the AP Studio Art Program.

Description from the College Board:

“The AP Program offers three studio art courses and portfolios: 2-Dimensional Design, 3-Dimensional Design, and Drawing. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year. The three portfolios correspond to the most common college foundation courses. Students may choose to submit any or all of the Drawing, 2-Dimensional Design, or 3-Dimensional design portfolios. Students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.”

AP WORLD LANGUAGES

AP Spanish Prerequisite(s) - Successful completion of Spanish IV H with a 91 % or higher final grade and College Board PSAT/AP Predictor for success; full year; 1 credit The contents of this high school course meet the College Board requirements for Advanced Placement Spanish. This course is designed to prepare students for the Advanced Placement Spanish Language and Culture exam and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products, practices, and perspectives. **All students taking this course MUST pay for and take the AP Spanish exam in May.** The course carries the Advanced Placement (AP) weighting on the Cardinal Newman grading scale and is figured as such in calculation of the student’s Cardinal Newman GPA.

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