



CENTRAL CATHOLIC  
HIGH SCHOOL

Central To Life

# Academic Catalog



2024 • 2025

2550 Cherry Street • Toledo, Ohio 43608 • 419.255.2280  
[www.centralcatholic.org](http://www.centralcatholic.org)

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## Diploma Requirements

In order to effectively serve the needs of our students, Central Catholic offers three curriculum options, culminating in one of three diplomas. Direction from colleges and universities, the State of Ohio, and Central Catholic guides the requirements of each diploma. All students are required to meet the State of Ohio and Central Catholic graduation requirements in order to receive a Central Catholic diploma.

## Class of 2025:

### College Prep Standard Diploma Requirements:

|                             |              |
|-----------------------------|--------------|
| Theology/Freshman Formation | 4.5          |
| English                     | 4.0          |
| Math                        | 4.0          |
| Science                     | 3.0          |
| Social Studies              | 3.0          |
| Fine Arts                   | 1.0          |
| Health/Phys. Ed             | 1.0          |
| Electives                   | 6.5          |
| <b>Total required</b>       | <b>27.00</b> |

### College Prep Merit Diploma Requirements:

|                                |             |
|--------------------------------|-------------|
| Theology/Freshman Formation    | 4.5         |
| English                        | 4.0         |
| Math                           | 4.0         |
| Science (inc. Chem.)           | 3.0         |
| Social Studies                 | 3.0         |
| World Language (of same lang.) | 2.0         |
| Fine Arts                      | 1.0         |
| Health/Phys. Ed.               | 1.0         |
| Electives                      | 5.0         |
| <b>Total required</b>          | <b>27.5</b> |

### Honors College Prep Diploma Requirement:

|   |             |
|---|-------------|
| Theology/Freshman Formation                 | 4.5         |
| English                                     | 4.0         |
| Math (inc. Pre-Calc.)                       | 4.0         |
| Science (inc. Chem. and Physics or AP Sci.) | 4.0         |
| Social Studies                              | 3.0         |
| World Language* (of same lang.)             | 3.0         |
| Fine Arts                                   | 1.0         |
| Health/Phys. Ed                             | 1.0         |
| Elective                                    | 3.5         |
| <b>Total required</b>                       | <b>28.0</b> |

**\*\* (Must include 13 Honors or AP classes & 3.5 cumulative GPA or higher)**

## Class of 2026:

### College Prep Standard Diploma Requirements:

|                             |              |
|-----------------------------|--------------|
| Theology/Freshman Formation | 4.5          |
| English                     | 4.0          |
| Math                        | 4.0          |
| Science                     | 3.0          |
| Social Studies              | 3.0          |
| Fine Arts                   | 1.0          |
| Health/Phys. Ed             | 1.0          |
| Electives                   | 6.5          |
| <b>Total required</b>       | <b>27.00</b> |

### College Prep Merit Diploma Requirements:

|                                |             |
|--------------------------------|-------------|
| Theology/Freshman Formation    | 4.5         |
| English                        | 4.0         |
| Math                           | 4.0         |
| Science (inc. Chem.)           | 3.0         |
| Social Studies                 | 3.0         |
| World Language (of same lang.) | 2.0         |
| Fine Arts                      | 1.0         |
| Health/Phys. Ed.               | 1.0         |
| Electives                      | 5.0         |
| <b>Total required</b>          | <b>27.5</b> |

### Honors College Prep Diploma Requirement:

|   |             |
|---|-------------|
| Theology/Freshman Formation                 | 4.5         |
| English                                     | 4.0         |
| Math (inc. Pre-Calc.)                       | 4.0         |
| Science (inc. Chem. and Physics or AP Sci.) | 4.0         |
| Social Studies                              | 3.0         |
| World Language* (of same lang.)             | 3.0         |
| Fine Arts                                   | 1.0         |
| Health/Phys. Ed                             | 1.0         |
| Elective                                    | 3.5         |
| <b>Total required</b>                       | <b>28.0</b> |

**\*\* (Must include 13 Honors or AP classes & 3.5 cumulative GPA or higher)**

## Class of 2027:

### College Prep Standard Diploma Requirements:

|                             |              |
|-----------------------------|--------------|
| Theology/Freshman Formation | 4.5          |
| English                     | 4.0          |
| Math                        | 4.0          |
| Science                     | 3.0          |
| Social Studies              | 3.0          |
| Fine Arts                   | 1.0          |
| Health/Phys. Ed             | 1.0          |
| Electives                   | 6.5          |
| <b>Total required</b>       | <b>27.00</b> |

### College Prep Merit Diploma Requirements:

|                                |             |
|--------------------------------|-------------|
| Theology/Freshman Formation    | 4.5         |
| English                        | 4.0         |
| Math                           | 4.0         |
| Science (inc. Chem.)           | 3.0         |
| Social Studies                 | 3.0         |
| World Language (of same lang.) | 2.0         |
| Fine Arts                      | 1.0         |
| Health/Phys. Ed.               | 1.0         |
| Electives                      | 5.0         |
| <b>Total required</b>          | <b>27.5</b> |

### Honors College Prep Diploma Requirement:

|   |             |
|---|-------------|
| Theology/Freshman Formation                 | 4.5         |
| English                                     | 4.0         |
| Math (inc. Pre-Calc.)                       | 4.0         |
| Science (inc. Chem. and Physics or AP Sci.) | 4.0         |
| Social Studies                              | 3.0         |
| World Language* (of same lang.)             | 3.0         |
| Fine Arts                                   | 1.0         |
| Health/Phys. Ed                             | 1.0         |
| Elective                                    | 3.5         |
| <b>Total required</b>                       | <b>28.0</b> |

**\*\* (Must include 13 Honors or AP classes & 3.5 cumulative GPA or higher)**

## Class of 2028:

### College Prep Standard Diploma Requirements:

|                             |              |
|-----------------------------|--------------|
| Theology/Freshman Formation | 4.5          |
| English                     | 4.0          |
| Math                        | 4.0          |
| Science                     | 3.0          |
| Social Studies              | 3.0          |
| Fine Arts                   | 1.0          |
| Health/Phys. Ed             | 1.0          |
| Electives                   | 6.5          |
| <b>Total required</b>       | <b>27.00</b> |

### College Prep Merit Diploma Requirements:

|                                |             |
|--------------------------------|-------------|
| Theology/Freshman Formation    | 4.5         |
| English                        | 4.0         |
| Math                           | 4.0         |
| Science (inc. Chem.)           | 3.0         |
| Social Studies                 | 3.0         |
| World Language (of same lang.) | 2.0         |
| Fine Arts                      | 1.0         |
| Health/Phys. Ed.               | 1.0         |
| Electives                      | 5.0         |
| <b>Total required</b>          | <b>27.5</b> |

### Honors College Prep Diploma Requirement:

|   |             |
|---|-------------|
| Theology/Freshman Formation                 | 4.5         |
| English                                     | 4.0         |
| Math (inc. Pre-Calc.)                       | 4.0         |
| Science (inc. Chem. and Physics or AP Sci.) | 4.0         |
| Social Studies                              | 3.0         |
| World Language* (of same lang.)             | 3.0         |
| Fine Arts                                   | 1.0         |
| Health/Phys. Ed                             | 1.0         |
| Elective                                    | 3.5         |
| <b>Total required</b>                       | <b>28.0</b> |

**\*\* (Must include 13 Honors or AP classes & 3.5 cumulative GPA or higher)**

Honors Diploma: Students must accumulate 13 Honors courses and a cumulative GPA of 3.5 or higher.

\*Two years of two different languages is accepted if the third year is not available to the student.

**Physical Education (PE) Waiver:** If students participate in two seasons of a Central Catholic sport, Marching Band, Cheerleading, or certain club sports, they qualify for the PE waiver. Students pursuing the PE waiver must fulfill the requirement by the end of sophomore year or PE will be on the schedule junior year.

### **Fine Arts Credit**

All art, music, and drama courses offered at Central Catholic will fulfill the fine arts credit requirement needed for a Central Catholic Diploma. These courses will be accepted by most universities that have a fine arts requirement.

### **Course Levels**

In order to meet the academic needs and abilities of our students, Central Catholic offers many courses on different skill levels. We are diligent about studying and determining those needs and abilities. In order to effectively place students in their appropriate skill level, we utilize placement tests, departmental diagnostic tests and teacher recommendations. During the second semester of each school year, the student's progress will be evaluated for movement to another level. The following is a summary of the descriptions and objectives of our skill levels.

### **Honors Level**

The objective of honors courses is to provide intensive and more in-depth instruction in the content area in order to challenge the superior academic student. As a result of the demanding work, students earn an extra point for A, B, and C grades. The Advanced Placement (AP) courses are honors courses based on a college curriculum provided by College Board. Students who successfully complete AP courses and pass the AP Exam in May can receive college credit. An honors point is also awarded for AP courses.

### **College Prep Level**

The college prep (both standard and merit) curriculum is designed to provide an extensive background in the subject areas and to successfully prepare the student for post-secondary education.

### **Specific Learning Disabilities (SLD)**

Students with specific learning disabilities are scheduled into fully integrated classes that meet their individual needs and the specific requirements of their ISPs. Students are scheduled into a Resource Room where the Intervention Specialist will help them in their areas of identification. These students receive small group or individual assistance during their resource period.

### **Options for College Credit**

College Credit Plus offers qualified students high school and college credit simultaneously.

### **Class Rankings**

The formula for class rankings can be found in the CCHS Family/Student Handbook.

### **Class Switch/Drop Policy**

Students may not drop or switch a class after June 1st. Any drops after June 1st have to be at the teacher's recommendation and after proven RTI (response to intervention) in that class. This is why it is so important to choose courses wisely and to choose proper alternates.

## ENGLISH CURRICULUM

|              | FRESHMEN       | SOPHOMORES                       | JUNIORS                 | SENIORS                     | ELECTIVES (HONORS/CP)   |   |
|--------------|----------------|----------------------------------|-------------------------|-----------------------------|---|---|
| HONORS       | 3011 English 1 | 3021 American Literature & Comp. | 3040 AP Lang & Comp.    | 3030 AP Lit & Comp.         | 3020 AP Seminar<br>3122 Business Comm.<br>3222 Mythology & Folklore | 3843 Speech<br>3853 Debate<br>9052 Yearbook |
| COLLEGE PREP | 3012 English 1 | 3022 American Literature & Comp. | 3132 World Lit. & Comp. | 3042 Senior English Seminar | 3703 Creative Writing<br>3883 Drama I<br>3893 Drama II              |   |

## MATH CURRICULUM

|              | FRESHMEN  | SOPHOMORES   | JUNIORS   | SENIORS   |
|--------------|---|--|---|---|
| HONORS       | 6031 Algebra 2<br>6021 Geometry<br>6011 Algebra 1 | 6041 Pre-Calculus<br>6031 Algebra 2<br>6021 Geometry | 6040 AP Calculus<br>6041 Pre-Calculus<br>6031 Algebra 2 | College Credit Plus<br>6040 AP Calculus<br>6041 Pre-Calculus          |
| COLLEGE PREP | 6012 Algebra 1<br>6003 Algebra Concepts           | 6022 Geometry<br>6012 Algebra 1                      | 6032 Algebra 2<br>6022 Geometry                         | 6042 Pre-Calculus<br>6032 Algebra 2<br>6052 Math Ideas and Statistics |

## SCIENCE CURRICULUM

|              | FRESHMEN     | SOPHOMORES  | JUNIORS AND SENIORS  |
|--------------|--------------|---|--|
| HONORS       | 8011 Biology | 8010 AP Biology<br>8021 Anatomy & Physiology<br>8031 Chemistry                                    | 8031 Chemistry<br>8040 AP Physics<br>8021 Anatomy & Physiology<br>8010 AP Biology<br>8030 AP Chemistry<br>8000 Advanced Topics in Biology<br>8421 Forensic Science<br>8301 AP Environ. Science |
| COLLEGE PREP | 8012 Biology | 8022 Anatomy & Physiology<br>8032 Chemistry<br>8002 Integrated Physical Science<br>8222 Nutrition | 8032 Chemistry<br>8042 Physics<br>8022 Anatomy & Physiology<br>8222 Nutrition<br>8224 Zoology<br>8422 Forensic Science<br>8033 Chemistry in Life   |

## SOCIAL STUDIES CURRICULUM

|              | FRESHMEN                             | SOPHOMORES  | JUNIORS  | SENIORS  |
|--------------|--------------------------------------|---|--|--|
| HONORS       | 5011 World Studies                   | 5020 AP US History  | 5040 AP US Government<br>5140 AP Psychology<br>5240 Landmark Supreme Court Cases   | 5040 AP US Government<br>5140 AP Psychology<br>5240 Landmark Supreme Court Cases   |
| COLLEGE PREP | 5012 World Studies<br>5112 Geography | 5022 American History<br>5112 Geography<br>5143 Intro to Sociology<br>5401 WWII | 5042 American Government<br>5112 Geography<br>5132 Economics<br>5143 Intro to Sociology<br>5232 Rights and Protests in the 20th Century<br>5142 Intro to Psychology<br>5401 WWII<br>5233 African-Amer. History | 5112 Geography<br>5132 Economics<br>5143 Intro to Sociology<br>5232 Rights and Protests in the 20th Century<br>5142 Intro to Psychology<br>5401 WWII<br>5233 African-Amer. History |

# COURSE MAP

|  | 9th Grade   | 10th Grade   | 11th Grade   | 12th Grade   |
|--|---|--|--|--|
| <b>English/<br/>World<br/>Language</b>   | Freshman Formation<br>English 1 (H)<br>Mythology & Folklore<br>Drama I<br>Speech<br>Spanish I, II (H)   | American Lit. & Composition (H)<br>AP Seminar (H)<br>Mythology & Folklore<br>Business Communications<br>Creative Writing<br>Drama I and II<br>Speech<br>Debate<br>Spanish I, II, III (H)   | World Literature & Composition<br>AP Lang & Comp. (H)<br>AP Seminar (H)<br>Mythology & Folklore<br>Business Communications<br>Creative Writing<br>Drama I and II<br>Speech<br>Debate (H)<br>Yearbook<br>Spanish I, II, III, IV (H)   | Senior English Seminar<br>AP Lit & Comp. (H)<br>Mythology & Folklore<br>Business Communications<br>Creative Writing<br>Drama I and II<br>Speech<br>Debate (H)<br>Yearbook<br>Spanish I, II, III, IV (H), AP (H)  |
| <b>Math/<br/>Business</b>                | Algebra Concepts<br>Algebra 1 (H)<br>Geometry (H)<br>General Business   | Algebra 1 (H)<br>Geometry (H)<br>Algebra 2 (H)<br>Pre-Calculus (H)<br>Accounting<br>General Business   | Geometry (H)<br>Algebra 2 (H)<br>Pre-Calculus (H)<br>AP Calculus<br>Accounting<br>Personal Money Management<br>Marketing   | Algebra 2 (H)<br>Pre-Calculus (H)<br>AP Calculus<br>College Credit Plus<br>Accounting<br>Math Ideas and Statistics<br>Personal Money Management<br>Marketing   |
| <b>Theology</b>                          | Theology 1<br>Theology 1 - First Year Catholic Experience   | Theology 2 (H)<br>Philosophy of Religion   | Theology 3 (H)<br>Philosophy of Religion<br>The Story of Jerusalem & Israel (H)  | Theology 4 (H)<br>The Story of Jerusalem & Israel (H)  |
| <b>Science/<br/>Health</b>               | Biology (H)<br>Health<br>Physical Education I and II  | AP Biology (H)<br>Anatomy & Physiology (H)<br>Chemistry (H)<br>Integrated Physical Science<br>Physical Education I and II<br>Weightlifting & Adv. Fitness<br>Nutrition   | AP Biology (H)<br>Anatomy & Physiology (H)<br>Chemistry (H)<br>AP Chemistry (H)<br>Physics<br>AP Physics (H)<br>Integrated Physical Science<br>Zoology<br>Physical Education I and II<br>Weightlifting & Adv. Fitness<br>Nutrition<br>Advanced Topics in Biology (H)<br>Forensic Science (H)<br>AP Environmental Science (H)<br>Chemistry in Life  | AP Biology (H)<br>Anatomy & Physiology (H)<br>Chemistry (H)<br>AP Chemistry (H)<br>Physics<br>AP Physics (H)<br>Integrated Physical Science<br>Zoology<br>Physical Education I and II<br>Weightlifting & Adv. Fitness<br>Nutrition<br>Advanced Topics in Biology (H)<br>Forensic Science (H)<br>AP Environmental Science (H)<br>Chemistry in Life  |
| <b>Social<br/>Studies</b>                | World Studies (H)<br>Geography<br>Intro to Sociology  | AP US History (H)<br>American History<br>Geography<br>Intro to Sociology<br>World War II   | AP US Government (H)<br>American Government<br>AP Psychology (H)<br>Economics<br>Intro to Sociology<br>Rights & Protests in 20th Century<br>Intro to Psychology<br>World War II<br>African-American History<br>Landmark Supreme Court Cases  | AP US Government (H)<br>American Government<br>AP Psychology (H)<br>Economics<br>Intro to Sociology<br>Rights & Protests in 20th Century<br>Intro to Psychology<br>World War II<br>African-American History<br>Landmark Supreme Court Cases  |
| <b>Art, Music<br/>and<br/>Technology</b> | Beginning Band<br>Concert Band<br>Marching Band<br>Beginning Strings<br>Sting Orchestra<br>Mixed Chorus<br>Music Theory<br>Beginning Piano<br>Beginning Guitar<br>Dance<br>Art Fundamentals<br>3D Modeling & Animation<br>Web Design I & II<br>Applied Digital Skills | Beginning Band<br>Concert Band<br>Marching Band<br>Beginning Strings<br>String Orchestra<br>Glee Club<br>Music Theory<br>Beginning Piano<br>Intermediate Piano<br>Beginning Guitar<br>Dance<br>Art Fundamentals<br>Drawing & Painting<br>3D Modeling & Animation<br>Web Design I & II<br>Applied Digital Skills<br>Graphics<br>Ceramics & Sculpture<br>Robotics<br>Intro to Computer Science<br>AP Computer Science Principles (H) | Beginning Band<br>Concert Band<br>Marching Band<br>Beginning Strings<br>String Orchestra<br>Glee Club<br>Music Theory<br>Beginning Piano<br>Intermediate Piano<br>Beginning Guitar<br>Dance<br>Art Fundamentals<br>Drawing & Painting<br>3D Modeling & Animation<br>Web Design I & II<br>Graphics<br>Ceramics & Sculpture<br>Robotics<br>Sound Production & Engineering<br>Intro to Computer Science<br>AP Computer Science Principles (H) | Beginning Band<br>Concert Band<br>Marching Band<br>Beginning Strings<br>String Orchestra<br>Glee Club<br>Music Theory<br>Beginning Piano<br>Intermediate Piano<br>Beginning Guitar<br>Dance<br>Advanced Art<br>AP Art (H)<br>Drawing & Painting<br>3D Modeling & Animation<br>Web Design I & II<br>Graphics<br>Ceramics & Sculpture<br>Robotics<br>Sound Production & Engineering<br>Intro to Computer Science<br>AP Computer Science Principles (H) |
| <b>Misc.</b>                             |   | Intro to Education   | Intro to Education<br>Junior ACT & College Planning  | Intro to Education   |



# IMPORTANT DATES

**January 8-12**

Guidance counselors and Principal meet with students to explain the online process (in classes)

**January 8**

Academic Catalog available online. Students and parents should review course offerings and graduation / diploma requirements together.

**January 18-25**

Signing Days - teachers sign cards in classes based on academic recommendations.

**January 25-29**

Parents/Guardians review courses and sign cards.

**Jan. 29-Feb. 6**

Online scheduling window.

**February 6**

Course cards collected in 2nd period.

**February - March**

Counselors meet individually with students.

**March - April**

Individual incoming freshman scheduling.

**April 12**

Registration fee due to the finance office.

**June 1**

Course requests are final; no changes after this point.

# FRESHMAN

## THEOLOGY

Theology is the mother of all disciplines and is therefore an integral component to the intellectual formation of all Central Catholic students. The Theology Curriculum at Central Catholic High School is an implementation of the Diocese of Toledo Course of Study for High School Theology based on the Doctrinal Elements of a Curriculum Framework developed by the United States Conference of Catholic Bishops. Each year students complete two or three semester Framework courses as indicated in the following course descriptions.

### THEOLOGY 1

#### 1012 College Prep

Year 1 credit Grade 9

Theology 1 consists of the Diocesan Core Course 1, "Faith and Revelation: An Introduction to Scripture," and Core Course 2, "Who is Christ." In Core Course 1, the students will gain a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section, specifically the gospels. In Core Course 2, "Who Is Christ," the students will be introduced to the mystery of Jesus Christ, the living Word of God and the Second Person of the Blessed Trinity.

### THEOLOGY 1 - FIRST YEAR CATHOLIC EXPERIENCE

#### 1015 College Prep

Year 1 credit Grade 9

This course is for students who are new to Catholic theology. Students will cover the regular Theology 1 Curriculum; however they will begin with a brief introduction to Catholicism through a survey of Catholic beliefs, attitudes, and practices.

## ENGLISH & WORLD LANGUAGES

In the following course descriptions, where two or more levels share the same basic description, it is essential to note that each level is taught with the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

### FRESHMEN FORMATION

#### 0812 College Prep

Semester 1/2 credit Grade 9

This semester course explores a variety of topics, including social and emotional skills, that enable students to successfully transition from middle school to high school. This hands-on, activity-based course will help students develop skills in decision making, problem solving, goal setting, communication, conflict resolution, digital literacy, etc. This course is for freshmen during their first semester.

### ENGLISH 1

#### 3011 Honors

#### 3012 College Prep

Year 1 credit Grade 9

**Requirements for Honors: High composite on HSPT and/or teacher approval.** These courses focus on four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Research skills and MLA-style documentation are taught.

### READING 9

#### 3017 College Prep

Year 1 credit Grade 9

This course strives to improve reading levels so that students can succeed in high school. Its goal is to improve the student's vocabulary, comprehension and general cognitive abilities by utilizing current methods of teaching. Incoming freshmen who score below the 15th percentile on the reading section of the high school placement test are required to take this course.

### NEW MYTHOLOGY & FOLKLORE

#### 3222 College Prep

Semester 1/2 credit All Grades

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. This semester overview will give students a strong foundation in the myths and legends of various cultures and will help them see the role different mythologies still play in our lives. They will explore the role of mythology/folklore through literature, media and the arts and learn the overarching structure of the genre. Additionally, students will work on reading and writing skills (both formal and creative) as well as public speaking skills.

# FRESHMAN

## DRAMA I

### 3883 College Prep

Semester 1/2 credit All Grades

This course serves as an introduction to theatrical arts. Students will experience this through immersion in reading, writing, acting, and directing.

## SPEECH

### 3843 College Prep

Semester 1/2 credit All Grades

In speech, students will learn how to prepare and deliver several types of oral presentations including oratory, extemporaneous speaking, impromptu speaking, and analysis and delivery of TED Talks.

## SPANISH 1

### 4011 Honors

### 4012 College Prep

Year 1 credit All Grades

**Requirements: At least a C average in English and English teacher approval.**

This course is designed to cover daily vocabulary, verb structures, conversational expressions, and grammar. The

course includes an introduction to the Hispanic world including its culture and customs. Spanish 1 Honors is a beginner course for advanced students. Eligibility for the honors level will be determined by consultation with the counseling department at the time of course registration. Note: For incoming freshmen, high school placement test scores and a Spanish language placement test will determine CP or Honors placements.

## SPANISH 2

### 4021 Honors

### 4022 College Prep

Year 1 credit All Grades

**Requirements for Honors: B or higher in Spanish 1 and teacher approval. Requirements for College Prep: Successful completion of Spanish 1.** Part two of the basic elements of Spanish, Spanish 2 further explores tenses and vocabulary. The course offers a more expanded view of select Hispanic countries. The honors level goes beyond this scope to include extra reading and writing projects of varying length.

## MATH AND BUSINESS

In the following math course descriptions where two levels share the same basic description, it is essential to note that each level is taught with a variation in complexity of assignment expectations, lectures, tests, and exams. Graphing calculators (TI-83+ or TI-84/84+) are required for all math courses except Algebra Concepts (TI30X-IIS).

## ALGEBRA CONCEPTS

### 6003 College Prep

Year 1 credit Grade 9

This course is intended to help students make the transition from middle school math to high school algebra and geometry. Topics include: integers, algebraic expressions, order of operations, fractions, decimals, percents, proportions, ratios, unit conversions, geometric concepts, two step equations, and linear equations. (TI) Texas Instrument scientific calculator required.

## ALGEBRA 1

### 6011 Honors

### 6012 College Prep

Year 1 credit Grades 9, 10

**Requirements for Incoming Freshmen: Appropriate score on the High School Placement Test and/or teacher approval.** This course introduces students to real numbers, polynomials, rational expressions, factoring, equations, graphing, functions, exponents, and square roots. Algebra 1 is a prerequisite for further study in mathematics, chemistry, physics, and some computer science courses. Scientific calculator required.

## GEOMETRY

### 6021 Honors

### 6022 College Prep

Year 1 credit Grades 9, 10, 11

**Requirements: B or higher in Algebra I Honors or A in Algebra I CP.** This course focuses on the concepts of Euclidean Geometry. Topics include congruence of polygons, parallelism, ratio, proportion, similar triangles, circles, and informal proof techniques. Geometry includes the integration and application of algebra in geometric problems. Geometry emphasizes a hands-on approach with less time spent on traditional proofs using theorems and postulates. (TI) Texas Instrument graphing calculator required.

## GENERAL BUSINESS

### 2113 College Prep

Semester 1/2 credit Grades 9, 10

This course is designed to provide students with an understanding of how our business system works and to provide the knowledge for them to become intelligent users of the goods and services provided in our economic system. Some of the areas covered are: business principles, career planning, becoming a wise consumer, money management, banking, using credit, insurance, saving, and investing. This course will incorporate use of laptops for document preparation, Internet searches, and basic spreadsheets.

# FRESHMAN

## SCIENCE, HEALTH, AND PHYSICAL EDUCATION

### BIOLOGY

#### 8011 Honors

#### 8012 College Prep

Year 1 credit Grade 9

#### Requirements for Honors: Appropriate HSPT scores.

Biology courses are lab survey courses of the various forms of life that inhabit the earth. The first part of the course deals with fundamental topics as living characteristics, biochemistry, cellular structure, and function, cellular division, photosynthesis, genetics, and evolution. Later topics include a study of the plant, animal and protist kingdoms. Laboratory activities include microscopic observations, dissection, and growing and observing organisms.

### HEALTH

#### 9213 College Prep

Semester 1/2 credit Grades 9

This course studies numerous topics using a "wellness" approach: making healthy decisions, managing stress, mental disorders and suicide, preventing violence, food and nutrition with a focus on analyzing diets, exercise and lifelong fitness, skeletal, muscular, and nervous systems, cardiovascular and respiratory health, alcohol, tobacco, preventing drug abuse, reproduction and heredity, pregnancy, birth and childhood, STD's, and chronic diseases.

### PHYSICAL EDUCATION I \*

#### 9001 College Prep

Semester 1/4 credit All Grades

Physical Education is taught in a coed environment where sportsmanship, rules, cooperation, and teamwork are emphasized. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. The topics offered are football, soccer, volleyball, basketball, floor hockey, handball, softball, and badminton with a special focus on weight training and fitness. Students will also participate in a variety of other cooperative games designed to be fun and interactive to maximize participation and physical activity.

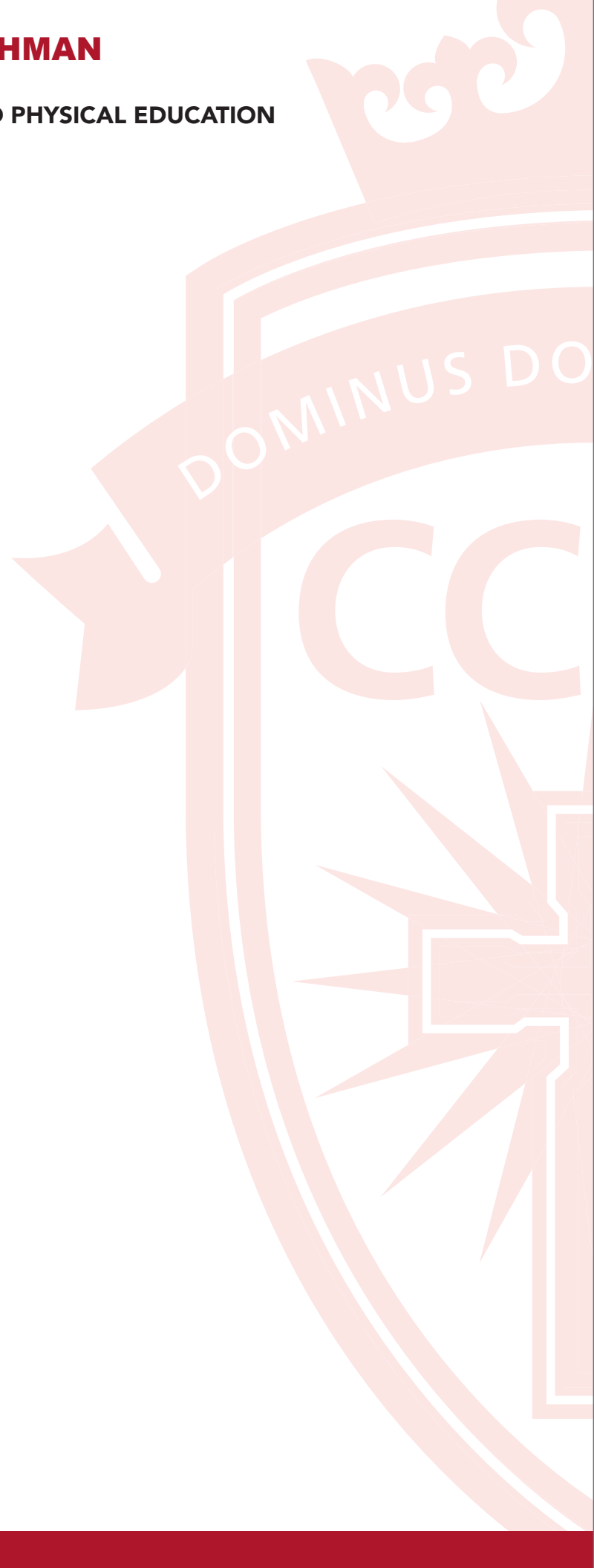
### PHYSICAL EDUCATION II \*

#### 9002 College Prep

Semester 1/4 credit All Grades

Students enrich the skills learned in PE I. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and continued emphasis on physical fitness.

*\* Physical Education (PE) may be waived if the student participates in two seasons of Central Catholic sports, Marching Band, Cheerleading and some club sports. Students pursuing the PE waiver must fulfill the requirement by the end of sophomore year or PE will be on the schedule junior year.*



# FRESHMAN

## SOCIAL STUDIES

### WORLD STUDIES

**5011 Honors**

**5012 College Prep**

Year 1 credit Grade 9

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

### GEOGRAPHY

**5112 College Prep**

Semester 1/2 credit All Grades

This course will build on students' prior knowledge of geography and spatial thinking through contemporary issues. Also, students will understand where the physical and cultural features are located and why they are located as they are and the implication of these arrangements.

### INTRODUCTION TO SOCIOLOGY

**5143 College Prep**

Semester 1/2 credit All Grades

This college preparatory course will focus on the understanding of social interaction, social organization, social institutions, and social change. Students will explore ways human groups cooperate and conflict with one another. Multicultural awareness as well as other diversity issues involved in improving human relations will be a consistent theme throughout the course.

# FRESHMAN

## ART, MUSIC, AND TECHNOLOGY

### BEGINNING BAND

#### 7003 College Prep

Year 1 credit All Grades

This first semester course is for the student, with little or no experience, who would like to learn to play a wind or percussion instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in Marching and Concert Band.

### CONCERT BAND

#### 7112 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Concert Band. The Concert Band performs a variety of music from many styles and periods. Students will develop their sight-reading skills and general musicianship through this course. It is open to wind and percussion instrumentalists. There will be performance and rehearsal requirements outside the normal school day.

### MARCHING BAND

#### 7212 College Prep

1st Semester 1/2 credit All Grades

**Requirements: Taken in conjunction with Concert Band. Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Marching Band, in conjunction with Concert Band. The course meets three days per week after school during the first semester. It is important to note that those who sign up for this course must also sign up for Concert Band (7112). There will be performance and rehearsal requirements outside the normal school day. During the summer, rehearsals are held during the 2-3 weeks preceding the school year. For a summer schedule with exact dates, please contact the Director.

### BEGINNING STRINGS

#### 7203 College Prep

2nd Semester 1/2 credit Grades 9, 10, 11

This second semester course is for the student, with little or no experience, who would like to learn to play an orchestral string instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in String Orchestra the following school year.

### STRING ORCHESTRA

#### 7103 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Strings, participation in junior high band program, or Director approval.** The String Orchestra is an ensemble that meets during school everyday and is open to all classical string instruments (violin, viola, cello, bass). The ensemble studies and performs music from all genres, including anything from classical to contemporary music. The group is involved in concerts throughout the year. String orchestra is open to all experienced members as well as members looking to learn a new instrument!

### MIXED CHORUS

#### 7113 College Prep

Year 1 credit All Grades with no audition

Mixed Chorus is open to all voices who wish to sing in a SAB or SATB performing group while learning the fundamentals of voice production, score interpretation, sight reading, and basic theory. The Mixed Chorus performs in "The Sounds of Christmas," OMEA choral contests, the "Festival of the Lively Arts," and sings at some school Masses. Performances and rehearsals are mandatory, and all students are required to attend one performance of the Spring Musical. Students also have the opportunity to audition for the chorus of the Spring Musical.

### BEGINNING PIANO

#### 7313 College Prep

Year 1 credit All Grades

This course is for students who have no previous experience playing the piano. Instruction includes learning to read music, performing pieces with musical accuracy as well as learning basic music theory. Performances outside the school day will be required. Limited enrollment. Students will participate in a recital in the spring. This will be a major part of their final grade.

### INTERMEDIATE PIANO

#### 7314 College Prep

Year 1 credit All Grades

**Requirements: A student must have a parent signature confirming 2-3 years of piano experience or an A or B in Beginning Piano to enter the course.** In this course, students will learn to play intermediate piano selections and excerpts, as well as learning intermediate-level music symbology, theory, and performance skills. This course may require community and outside-of-class performances, based on student progress and teacher discretion. Daily participation and effort is required for success in this course.

# FRESHMAN

## MUSIC THEORY

### 7312 College Prep

Semester 1/2 credit All Grades

This course will focus on the theoretical elements of music in a standard classroom setting. Students will learn the fundamentals of music reading, scale construction, chord progressions, and music writing.

## BEGINNING GUITAR

### 7921 College Prep

Semester 1/2 credit All Grades

This course will teach the fundamentals of the guitar and introduce students to basic music techniques. They will cover reading sheet music, basic music theory, songwriting, improvisation, history and genres of the guitar, as well as how to care for the instrument. Instrument will be provided.

## DANCE

### 7912 College Prep

Year 1 credit All Grades

**Requirements: Teacher approval after submission of an application.**

Students will learn an introduction to studio practice of ballet, jazz, hip-hop and musical theatre dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have appropriate dance attire (fitted bottoms and a fitted shirt). Jazz shoes are required (an additional cost of about \$40). This is a year long course and students will earn one full credit towards their fine art requirement for graduation. Contact Ms. Toland for an application.

## ART FUNDAMENTALS

### 9113 College Prep

Year 1 credit All Grades

This is an introductory course that exposes students to art production, art history, art criticism, and aesthetics. Studies of the elements and principles of design are incorporated into studio projects in a sequential fashion. Drawing, painting, printmaking, computer graphics, and ceramics are introduced.

## 3D MODELING & ANIMATION

### 2063 Honors

Semester 1/2 credit All Grades

**Requirements: Composite on HSPT 50 or above.** This course will focus on various aspects of 3D imaging and animation using Blender. Some of the topics covered will be 3D wireframe modeling, extruding 3D meshes, multi-resolution mesh modeling, rigging, skinning, keyframe animation, modifiers, materials, textures, and particle systems. Course is limited to 10 students.

## WEB DESIGN I

### 2012 College Prep

Semester 1/2 credit All Grades

This course offers an introduction to web page design through HTML5 and CSS code. Students will explore web design and development concepts, and create simple web pages with raw code using page editors.

## WEB DESIGN II

### 2122 College Prep

Semester 1/2 credit All Grades

**Requirements: Successful completion of Web Design I or teacher approval.** This course continues where Web Design I ends. Students will continue to work in raw code focusing on HTML and CSS, and will produce live websites using an online website editor.

## APPLIED DIGITAL SKILLS

### 2140 College Prep

Semester 1/2 credit Grade 9, 10

Digital skills help people responsibly use tools and applications to complete projects or tasks on a computer, tablet, or mobile device. These skills allow for easier communication, collaboration, creativity, and critical thinking through technology - and play an important role in preparing students and learners for the jobs of today and tomorrow.

## MISCELLANEOUS

### Study Hall, 1st Sem

#### 0998

1st Semester No credit All Grades

### Study Hall, 2nd Sem

#### 0999

2nd Semester No credit All Grades

### Resource Room Semester 1

#### 0918

1st Semester 1/4 credit All Grades

### Resource Room Semester 2

#### 0919

2nd Semester 1/4 credit All Grades

# SOPHOMORE

## THEOLOGY

Theology is the mother of all disciplines and is therefore an integral component to the intellectual formation of all Central Catholic students. The Theology Curriculum at Central Catholic High School is an implementation of the Diocese of Toledo Course of Study for High School Theology based on the Doctrinal Elements of a Curriculum Framework developed by the United States Conference of Catholic Bishops. Each year students complete two or three semester Framework courses as indicated in the following course descriptions.

### THEOLOGY 2

#### 1022 College Prep

#### 1021 Honors

Year 1 credit Grade 10

**Requirements for Honors: Teacher approval based on a strong foundation in English, reading, and writing.**

Theology 2 consists of Diocesan Core Course 3, "The Mission of Christ," Core Course 4, "Christ and the Church," and Core Course 5, "Christ and the Sacraments." In Core Course 3, students will explore the redemptive work of Jesus Christ. In Core Course 4, the students look at the Church, established by Christ, to continue His presence and His work. In Core Course 5, students will encounter the seven Sacraments, instituted by Christ.

## ENGLISH & WORLD LANGUAGES

In the following course descriptions, where two or more levels share the same basic description, it is essential to note that each level is taught with the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

### AMERICAN LITERATURE & COMPOSITION

#### 3021 Honors

Year 1 credit Grade 10

**Requirements: Successful completion of English I CP or H; freshman English teacher approval.** The American Literature course emphasizes four areas: reading, writing, speaking and listening, and language. Literature study will emphasize fiction, informational texts, drama, and poetry. Students also review basic grammar/usage concepts, learn effective essay writing skills, research skills, and MLA documentation.

### AMERICAN LITERATURE & COMPOSITION

#### 3022 College Prep

Year 1 credit Grade 10

**Requirements: Successful completion of English I CP or teacher approval.** This course focuses on four areas: reading, writing, speaking and listening, and language. Literature study will emphasize fiction, informational texts, drama, and poetry. Students learn the proper structure and development of the essay in various forms: persuasion, narration, response, interpretation, and analysis. In-class impromptu writing is also required. Students also review basic grammar/usage concepts and learn effective essay writing skills.

### NEW PHILOSOPHY OF RELIGION

#### 1122 College Prep

Semester 1/2 credit Grades 10, 11

This course serves as a solid foundation to support the novice theology student in future Theology courses. This course examines the arguments in philosophy of religion through the examination of the following topics: historical approach to the justification of religious belief, the nature of God, proofs of God's existence, the distinction between faith and reason, the problem of evil, immortality, religious experience, and epistemology.

### NEW AP SEMINAR

#### 3020 Honors

Year 1 credit Grades 10, 11

**Requirements: A in CP English course or B or higher in Honors English course.** AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational learning and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and experience artistic works and performances. Students will be equipped with the power to analyze and evaluate information with accuracy and precision, in order to craft and communicate evidence-based arguments.

*Students who register for AP courses will sign a contract when they meet with their counselor, which lays out the expectations for and benefits of being an AP student. All AP students are required to take the end-of-year AP exam, estimated cost \$99 per test, free for low-income qualified families.*

### NEW BUSINESS COMMUNICATIONS

#### 3122 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course provides students with communication principles, concepts, and techniques, essential components for effective organization behavior in oral, written, and nonverbal communication situations.



# SOPHOMORE

## NEW MYTHOLOGY & FOLKLORE

### 3222 College Prep

Semester 1/2 credit All Grades

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. This semester overview will give students a strong foundation in the myths and legends of various cultures and will help them see the role different mythologies still play in our lives. They will explore the role of mythology/folklore through literature, media and the arts and learn the overarching structure of the genre. Additionally, students will work on reading and writing skills (both formal and creative) as well as public speaking skills.

## READING 10

### 3018 College Prep

Year 1 credit Grade 10

**Requirements: Teacher approval.** The course strives to improve reading levels so that students can succeed in high school. Its goal is to improve the student's vocabulary, comprehension, and general cognitive abilities by utilizing current methods of teaching. Incoming freshmen who score below the 15th percentile on the reading section of the high school placement test are required to take this course.

## CREATIVE WRITING

### 3703 College Prep

Year 1 credit Grades 10, 11, 12

This course is designed for students who enjoy writing as a form of art and personal expression. Students will have the opportunity to explore several different types of poetry and prose styles. Originality and writing that shows thought will be emphasized. Students will read and discuss articles on the craft of writing. The first semester will focus on poetry. The second semester will focus on prose. Students will complete a writing portfolio at the end of each semester that will serve as their exam. Peer reviews, small and large group sharing, and meeting deadlines are essential items to this course.

## DRAMA I

### 3883 College Prep

Semester 1/2 credit All Grades

This course serves as an introduction to theatrical arts. Students will experience this through immersion in reading, writing, acting, and directing.

## DRAMA II

### 3893 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Drama I, experience in Drama Club and/or Glee Club production in either cast or crew and teacher approval.** This course is for students serious about a deeper study and application of drama. Students will demonstrate proficiency in characterization, diction, memorization, script analysis, and concentration. They will perform a monologue or scripted scene after engaging in deep study and rehearsal of the piece. As they come available, students will also work on technical theatre projects related to the spring musical. By the end of this course, students will gain a depth of knowledge in acting technique as well as a broad understanding of the many facets of technical theatre. All learning objectives for this course are aligned to the National Theatre Standards as outlined by the Educational Theatre

Association. Active class participation is key for success in this course. **Note:** All students in this course are required to attend some after school events related to the work they are doing in the course (Festival of the Lively Arts and the Spring Musical).

## SPEECH

### 3843 College Prep

Semester 1/2 credit All Grades

In speech, students will learn how to prepare and deliver several types of oral presentations including oratory, extemporaneous speaking, impromptu speaking, and analysis and delivery of TED Talks.

## DEBATE

### 3853 College Prep

Semester 1/2 credit Grades 10, 11, 12

In debate, students get a formal introduction to debate and argumentation. Students will learn how to structure logical arguments that affect society's policies and values, and participate in Student Congress.

## SPANISH 1

### 4011 Honors

### 4012 College Prep

Year 1 credit All Grades

**Requirements: At least a C average in English and English teacher approval.**

This course is designed to cover daily vocabulary, verb structures, conversational expressions, and grammar. The course includes an introduction to the Hispanic world including its culture and customs. Spanish 1 honors is a beginner course for advanced students. Eligibility for the honors level will be determined by consultation with the counseling department at the time of course registration.

## SPANISH 2

### 4021 Honors

### 4022 College Prep

Year 1 credit All Grades

**Requirements for Honors: B or higher in Spanish 1 and teacher approval. Requirements for College Prep: Successful completion of Spanish 1.** Part two of the basic elements of Spanish, Spanish 2 further explores tenses and vocabulary. The course offers a more expanded view of select Hispanic countries. The honors level goes beyond this scope to include extra reading and writing projects of varying length.

## SPANISH 3

### 4031 Honors

### 4032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Spanish 2.** Spanish 3 is an intermediate course for students who wish to gain better fluency and understanding of a world language. The course is intended to further develop facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is placed on developing the ability to communicate fluently with accurate pronunciation/ intonation and sentence structure, in a variety of authentic contexts. Emphasis is also placed on fostering an appreciation of the culture of Spanish-speaking countries. The honors level expands on the basic topics and skills of the course.

# SOPHOMORE

## MATH AND BUSINESS

In the following math course descriptions where two levels share the same basic description, it is essential to note that each level is taught with a variation in complexity of assignment expectations, lectures, tests, and exams. Graphing calculators (TI-83+ or TI-84/84+) are required for all math courses except Algebra Concepts (TI30X-IIS).

### ALGEBRA 1

#### 6011 Honors

#### 6012 College Prep

Year 1 credit Grades 9, 10

**Requirements for Honors: Current Grade 9 students: Successful completion of Algebra Concepts with teacher approval.** This course introduces students to real numbers, polynomials, rational expressions, factoring, equations, graphing, functions, exponents, and square roots. Algebra 1 is a prerequisite for further study in mathematics, chemistry, physics, and some computer science courses. Scientific graphing calculator required.

### GEOMETRY

#### 6021 Honors

#### 6022 College Prep

Year 1 credit Grades 9, 10, 11

**Requirements for Honors: B or higher in Algebra I Honors or A in Algebra I CP.** This course focuses on the concepts of Euclidean Geometry. Topics include congruence of polygons, parallelism, ratio, proportion, similar triangles, circles, and informal proof techniques. Geometry includes the integration and application of algebra in geometric problems. Geometry emphasizes a hands-on approach with less time spent on traditional proofs using theorems and postulates. (TI) Texas Instrument graphing calculator required.

### ALGEBRA 2

#### 6031 Honors

#### 6032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements for Honors: B or higher in Geometry Honors or A in Geometry CP.** In this course, students will build on the concepts learned in Algebra I and Geometry, and they will apply those concepts in their study of equations and inequalities and linear and quadratic relations and functions. Students will be introduced to relations and functions involving polynomials, inverses, radicals, exponentials, logarithms, and rational expressions. Graphing calculator required.

### PRE-CALCULUS

#### 6041 Honors

#### 6042 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements for Honors: B or higher in Algebra II Honors or A in Algebra II CP and teacher approval.** This course includes the study of functions and their graphs, polynomial and rational functions and their graphs, logarithms, exponential equations, and trigonometry. The trigonometry includes trigonometric functions and

graphs, inverse trigonometric functions, degree and radian measures, identities and equations.

Honors courses will include solving trigonometric equations, trigonometric form of complex numbers, conic sections and their graphs, regression, and a project each semester. (TI) Texas Instrument graphing calculator required.

### ACCOUNTING

#### 6112 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course introduces the college-bound student to the basic accounting concepts and career options, then progresses through the accounting cycle of a proprietorship and partnership. These concepts are reinforced on the computer with the use of an automated accounting program.

### GENERAL BUSINESS

#### 2113 College Prep

Semester 1/2 credit Grades 9, 10

This course is designed to provide students with an understanding of how our business system works and to provide the knowledge for them to become intelligent users of the goods and services provided in our economic system. Some of the areas covered are: business principles, career planning, becoming a wise consumer, money management, banking, using credit, insurance, saving, and investing. This course will incorporate use of laptops for document preparation, Internet searches, and basic spreadsheets.

### MARKETING

#### 6212 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of General Business or counselor approval.** The role of marketing and business education has greater importance as students become more intuitive about marketing influences at younger ages. Marketing education introduces students to the processes involved in providing products and services that meet customer needs and wants. As a major business discipline, marketing impacts local, domestic, and international economies. Students will study marketing principles and apply them in classroom simulations. This course is perfect for students interested in studying business at the next level.

# SOPHOMORE

## SCIENCE, HEALTH, AND PHYSICAL EDUCATION

### CHEMISTRY

#### 8031 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology Honors/A or higher in Biology CP and an A in Algebra I Honors/CP and teacher approval.** Honors Chemistry is a lab course designed to examine the theories surrounding matter and its interactions. The course is rigorous by nature and is recommended for students considering a science related career. Extensive use of mathematics is required. Calculator required.

### CHEMISTRY

#### 8032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology CP and B+ or higher Algebra I CP.** College Prep Chemistry is a lab course emphasizing the basic concepts of modern chemistry and problem-solving methods used in college courses. Contemporary theories are considered that attempt to explain the interrelationships of matter and chemical behavior and applications to science and industry. Laboratory work is an important component. Scientific calculators required.

### AP BIOLOGY

#### 8010 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Honors Chemistry or A average in CP Chemistry, or currently enrolled in Honors Chemistry and teacher approval.** This course follows a national curriculum outlined by the College Board. Students will study the process of evolution, the transfer of energy and information between cellular and organismal systems, and the complex properties of living things. Lab work will make up approximately 25% of the course. This rigorous course develops critical thinking skills and a sound knowledge base, preparing students for success at the undergraduate level.

*Students who register for AP courses will sign a contract when they meet with their counselor, which lays out the expectations for and benefits of being an AP student. All AP students are required to take the end-of-year AP exam, estimated cost \$99 per test, free for low-income qualified families.*

### INTEGRATED PHYSICAL SCIENCE

#### 8002 College Prep

Year 1 credit Grades 10, 11, 12

This lab-based course covers topics in traditional physical science, earth and space science and contemporary issues in the natural world. This course is designed for the student who wants to pursue further studies in chemistry and/or physics, as well as for the student who wants to meet the physical science requirement for graduation.

### ANATOMY AND PHYSIOLOGY

#### 8021 Honors

#### 8022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology. Teacher approval for Honors level.** All Anatomy and Physiology courses are lab-based courses which include an in-depth study of the structures and functions of the human body. This elective course includes dissections and interactive labs.

### WEIGHTLIFTING & ADVANCED FITNESS

#### 9322 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Physical Education I and II or have met the physical education waiver requirement.** Weight training and strength training builds muscles and increases energy level and metabolism. This self-directed course will allow students to track and record fitness progress over a semester. Exercise safety will be discussed. Cardiovascular training will be included. This is an elective course and may be taken only once.

### NUTRITION

#### 8222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology.** This course will focus on the basic nutrients bodies need, how to obtain these nutrients (types of foods), and what health problems may arise if nutrient needs are not met. Students will be able to choose healthy foods (make a better choice) based on course content and individual needs. The course will discuss different nutrition styles such as: paleo, vegan, Keto/Atkins, vegetarians, etc.

# SOPHOMORE

## PHYSICAL EDUCATION I \*

### 9001 College Prep

Semester 1/4 credit All Grades

Physical Education is taught in a coed environment where sportsmanship, rules, cooperation, and teamwork are emphasized. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. The topics offered are football, soccer, volleyball, basketball, floor hockey, handball, softball, and badminton with a special focus on weight training and fitness. Students will also participate in a variety of other cooperative games designed to be fun and interactive to maximize participation and physical activity.

## PHYSICAL EDUCATION II \*

### 9002 College Prep

Semester 1/4 credit All Grades

Students enrich the skills learned in PE I. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and continued emphasis on physical fitness.

*\* Physical Education (PE) may be waived if the student participates in two seasons of Central Catholic sports, Marching Band, Cheerleading and some club sports. Students pursuing the PE waiver must fulfill the requirement by the end of sophomore year or PE will be on the schedule junior year.*

## SOCIAL STUDIES

### AP US HISTORY

#### 5020 Honors

Year 1 credit Grade 10

**Requirements: A in World Studies Honors or CP and teacher approval.** Advanced Placement United States History is designed to provide a college-level experience and preparation for the AP exam in May. The course examines the evolution of the American republic from the initial European settlements to the present. An emphasis is placed on interpreting documents, mastering a significant body of factual information, and writing critical essays. The writing component of the course will focus on training the students to handle the free response and document based questions on the AP exam. Focus will go on the students learning how to write effective historical essays, analyze historical documents and their relationship to historical topics and issues, and develop personal interpretations of different eras of history.

*Students who register for AP courses will sign a contract when they meet with their counselor, which lays out the expectations for and benefits of being an AP student. All AP students are required to take the end-of-year AP exam, estimated cost \$99 per test, free for low-income qualified families.*

### GEOGRAPHY

#### 5112 College Prep

Semester 1/2 credit All Grades

This course will build on students' prior knowledge of geography and spatial thinking through contemporary issues. Also, students will understand where the physical and cultural features are located and why they are located as they are and the implication of these arrangements.

### INTRODUCTION TO SOCIOLOGY

#### 5143 College Prep

Semester 1/2 credit All Grades

This college preparatory course will focus on the understanding of social interaction, social organization, social institutions, and social change. Students will explore ways human groups cooperate and conflict with one another. Multicultural awareness as well as other diversity issues involved in improving human relations will be a consistent theme throughout the course.

### AMERICAN HISTORY

#### 5022 College Prep

Year 1 credit Grade 10

This course is the study of the historical development of American ideas and institutions from the Age of Exploration to the post World War II era. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concept of historical thinking continues as students draw conclusions from locating and analyzing primary and secondary sources of information.

### WORLD WAR II

#### 5401 College Prep

Semester 1/2 credit Grades 10, 11, 12

World War II will examine the causes, events and effects of the Second World War from both an American History and World History perspective. Students will examine primary source materials including government documents, personal journals, art, music, and video. The course will begin with the end of WWI and how it's flawed peace led to WWII. Students will look at the rise of totalitarian governments around the world with emphasis on Germany, Italy, Japan, and the Soviet Union. Students will examine the American stance of staying out of the conflicts in Europe and Asia. The course will explore the events leading up to the attack on Pearl Harbor before delving into the war in both Europe and Asia. Students will examine the Manhattan project and the ethical questions that rose from the creation of the first atomic bombs. The course will then go into detailed look at both the European Holocaust and American Internment of Asian Americans. The course will then wrap up with a student led mock trial of WWII leaders.

# SOPHOMORE

## ART, MUSIC, AND TECHNOLOGY

### BEGINNING BAND

#### 7003 College Prep

Year 1 credit All Grades

This first semester course is for the student, with little or no experience, who would like to learn to play a wind or percussion instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in Marching and Concert Band.

### CONCERT BAND

#### 7112 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Concert Band. The Concert Band performs a variety of music from many styles and periods. Students will develop their sight-reading skills and general musicianship through this course. It is open to wind and percussion instrumentalists. There will be performance and rehearsal requirements outside the normal school day.

### MARCHING BAND

#### 7212 College Prep

1st Semester 1/2 credit All Grades

**Requirements: Taken in conjunction with Concert Band. Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Marching Band, in conjunction with Concert Band. The course meets three days per week after school during the first semester. It is important to note that those who sign up for this course must also sign up for Concert Band (7112). There will be performance and rehearsal requirements outside the normal school day. During the summer, rehearsals are held during the 2-3 weeks preceding the school year. For a summer schedule with exact dates, please contact the Director.

### BEGINNING STRINGS

#### 7203 College Prep

2nd Semester 1/2 credit Grades 9, 10, 11

This second semester course is for the student, with little or no experience, who would like to learn to play an orchestral string instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in String Orchestra the following school year.

### STRING ORCHESTRA

#### 7103 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Strings, participation in junior high band program, or Director approval.**

The String Orchestra is an ensemble that meets during school everyday and is open to all classical string instruments (violin, viola, cello, bass). The ensemble studies and performs music from all genres, including anything from classical to contemporary music. The group is involved in concerts throughout the year. String orchestra is open to all experienced members as well as members looking to learn a new instrument!

### MIXED CHORUS

#### 7113 College Prep

Year 1 credit All Grades with no audition

Mixed Chorus is open to all voices who wish to sing in a SAB or SATB performing group while learning the fundamentals of voice production, score interpretation, sight reading, and basic theory. The Mixed Chorus performs in "The Sounds of Christmas," OMEA choral contests, the "Festival of the Lively Arts," and sings at some school Masses. Performances and rehearsals are mandatory, and all students are required to attend one performance of the Spring Musical. Students also have the opportunity to audition for the chorus of the Spring Musical.

# SOPHOMORE

## GLEE CLUB

**7021 Honors\***

**7033 College Prep**

Year 1 credit Grades 10, 11, 12

**Requirements: Audition and teacher approval (NOTE: Although Mixed Chorus is an excellent preparatory course for Glee Club, it is not a prerequisite.)** The Glee Club is a select choir which studies sight reading, choral diction, articulation, balance, blend, vocal production, and stage presence. Members perform a varied selection of choral repertoire ranging from classical to contemporary literature. Glee Club members have a rigorous performance schedule throughout the year including "The Sounds of Christmas" and the Spring musical. Performances and rehearsals are mandatory. Students are required to attend Spring musical rehearsals during the week of Easter vacation. \*Students need at least two credits in one or more of Central Catholic's vocal groups to qualify for honors credit. Course credit applies to both singers and student accompanists.

## BEGINNING PIANO

**7313 College Prep**

Year 1 credit All Grades

This course is for students who have no previous experience playing the piano. Instruction includes learning to read music, performing pieces with musical accuracy as well as learning basic music theory. Performances outside the school day will be required. Limited enrollment. Students will participate in a recital in the Spring. This will be a major part of their final grade.

## INTERMEDIATE PIANO

**7314 College Prep**

Year 1 credit All Grades

**Requirements: A student must have a parent signature confirming 2-3 years of piano experience or an A or B in Beginning Piano to enter the course.** In this course, students will learn to play intermediate piano selections and excerpts, as well as learning intermediate-level music symbology, theory, and performance skills. This course may require community and outside-of-class performances, based on student progress and teacher discretion. Daily participation and effort is required for success in this course.

## BEGINNING GUITAR

**7921 College Prep**

Semester 1/2 credit All Grades

This course will teach the fundamentals of the guitar and introduce students to basic music techniques. They will cover reading sheet music, basic music theory, songwriting, improvisation, history and genres of the guitar, as well as how to care for the instrument. Instrument will be provided.

## DANCE

**7912 College Prep**

Year 1 credit All Grades

**Requirements: Dance teacher approval after submission of an application.**

Students will learn an introduction to studio practice of ballet, jazz, hip-hop and musical theatre dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have appropriate dance attire (fitted bottoms and a fitted shirt). Jazz shoes are required (an additional cost of about \$40). This is a year long course and students will earn one full credit towards their fine art requirement for graduation. Contact Ms. Toland for an application.

## MUSIC THEORY

**7312 College Prep**

Semester 1/2 credit All Grades

This course will focus on the theoretical elements of music in a standard classroom setting. Students will learn the fundamentals of music reading, scale construction, chord progressions, and music writing.

## ART FUNDAMENTALS

**9113 College Prep**

Year 1 credit All Grades

This is an introductory course that exposes students to art production, art history, art criticism, and aesthetics. Studies of the elements and principles of design are incorporated into studio projects in a sequential fashion. Drawing, painting, printmaking, computer graphics, and ceramics are introduced.

# SOPHOMORE

## DRAWING & PAINTING

### 9022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** One semester will focus on drawing, which will include a variety of mediums such as graphite, pen & ink, charcoal, etc. Subject matter will include studies of still life, portraits, and the human figure. The painting semester will explore theories of color through the use of color pencils, watercolor, and acrylic paints. Art history and appreciation will be incorporated into both semesters.

## CERAMICS & SCULPTURE

### 9032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course introduces students to functional pottery, and also using clay as a medium for creative expression. A variety of hand-building methods will be introduced, as well as a variety of glazing techniques. Students will explore clay, and various other materials, to make relief sculptures and free-standing sculptures.

## GRAPHICS

### 9222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course explores the elements of art and design principles as applied to fine art applications in digital imaging. Students will use Adobe Photoshop and Adobe Illustrator to explore both technical and artistic image manipulation and graphic creation. Some of the topics covered are retouching, image adjustments, extracting techniques, masks, patterns, advertising, vector art, branding, and more. Course is limited to 10 students.

## 3D MODELING & ANIMATION

### 2063 Honors

Semester 1/2 credit All Grades

**Requirements: Teacher approval.** This course will focus on various aspects of 3D imaging and animation using Blender. Some of the topics covered will be 3D wireframe modeling, extruding 3D meshes, multi-resolution mesh modeling, rigging, skinning, keyframe animation, modifiers, materials, textures, and particle systems. Course is limited to 10 students.

## NEW INTRO TO COMPUTER SCIENCE

### 2150A College Prep

Semester 1/2 credit Grades 10, 11, 12

Computer Science Discoveries is an introductory computer science course. Mapped to CTSA standards, the course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

## ROBOTICS

### 2052 College Prep

Semester 1/2 credit Grades 10, 11, 12

Robotics is designed for students to learn computer programming logic and reasoning skills using a robotics engineering context. The curriculum consists of four parts including: Basic Movement, Sensors, Program Flow, and Direct Control. Each part is broken into units that incorporate key robotics and programming concepts. Research projects will expose students to the engineering process.

## WEB DESIGN I

### 2012 College Prep

Semester 1/2 credit All Grades

This course offers an introduction to web page design through HTML5 and CSS code. Students will explore web design and development concepts, and create simple web pages with raw code using page editors.

## WEB DESIGN II

### 2122 College Prep

Semester 1/2 credit All Grades

**Requirements: Successful completion of Web Design I or teacher approval** This course continues where Web Design I ends. Students will continue to work in raw code focusing on HTML and CSS, and will produce live websites using an online website editor.

## APPLIED DIGITAL SKILLS

### 2140 College Prep

Semester 1/2 credit Grade 9, 10

Digital skills help people responsibly use tools and applications to complete projects or tasks on a computer, tablet, or mobile device. These skills allow for easier communication, collaboration, creativity, and critical thinking through technology - and play an important role in preparing students and learners for the jobs of today and tomorrow.

## AP COMPUTER SCIENCE PRINCIPLES

### 2120 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: Teacher approval.**

This course focuses on Code.org's Computer Science Principles (CSP) curriculum. It is a rigorous entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students are required to take and pay for the AP exam at the end of the course.

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# SOPHOMORE

## MISCELLANEOUS

### INTRO TO EDUCATION

#### 9422 College Prep

Semester 1/2 credit Grades 10, 11, 12

This introductory level course is designed for students who are interested in pursuing a career in education. The course focuses on a history of education, teaching strategies, current issues, and roles of school personnel. This course can assist students in determining their level of interest to pursue a career in education after high school.

#### Study Hall, 1st Sem

##### 0998

1st Semester No credit All Grades

#### Study Hall, 2nd Sem

##### 0999

2nd Semester No credit All Grades

#### Resource Room Semester 1

##### 0918

1st Semester 1/4 credit All Grades

#### Resource Room Semester 2

##### 0919

2nd Semester 1/4 credit All Grades





# JUNIOR

## THEOLOGY

Theology is the mother of all disciplines and is therefore an integral component to the intellectual formation of all Central Catholic students. The Theology Curriculum at Central Catholic High School is an implementation of the Diocese of Toledo Course of Study for High School Theology based on the Doctrinal Elements of a Curriculum Framework developed by the United States Conference of Catholic Bishops. Each year students complete two or three semester Framework courses as indicated in the following course descriptions.

### THEOLOGY 3

1032 College Prep

1031 Honors

Year 1 credit Grade 11

**Requirement for Honors: Teacher approval based on a strong foundation in English, reading, and writing.**

Theology 3 Consists of Diocesan Core Course 6, "Moral Living in Christ," and Core Course 7, "The Call of Christ: Christian Vocation." In Course 6, students will learn the moral concepts and precepts that govern the lives of Christian disciples. This includes an extensive review of Pope John Paul II's teaching on Theology of the Body. In core course 7, students will look at the vocations of married life, priestly life, and consecrated life, and how Christ calls us to live.

### NEW PHILOSOPHY OF RELIGION

1122 College Prep

Semester 1/2 credit Grades 10, 11

This course serves as a solid foundation to support the novice theology student in future Theology courses. This course examines the arguments in philosophy of religion through the examination of the following topics: historical approach to the justification of religious belief, the nature of God, proofs of God's existence, the distinction between faith and reason, the problem of evil, immortality, religious experience, and epistemology.

### NEW THE STORY OF JERUSALEM & ISRAEL

1132 College Prep

1131 Honors

Semester 1/2 credit Grades 11, 12

**Requirements for Honors: B or higher in Theology and teacher approval.**

This course looks into the history of Jerusalem and Israel, starting from its roots to the modern era, where it is the center of cultural and religious worship and conflict. Students will highlight its biblical history and explore the recent conflict between Israel and Palestine. Students will ask the questions: what role does the church play in all of this and is peace possible?

# JUNIOR

## ENGLISH & WORLD LANGUAGES

In the following course descriptions, where two or more levels share the same basic description, it is essential to note that each level is taught with the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

### WORLD LITERATURE & COMPOSITION

#### 3132 College Prep

Year 1 credit Grade 11

**Requirements: Successful completion of American Literature.** This course focuses on four areas: reading, writing, speaking and listening, and language. Composition study includes refinement of the essay in response to reading as well as research writing. Students will be exposed to major works in World Literature and will complete a research-based project.

### AP LANGUAGE AND COMPOSITION

#### 3040 Honors

Year 1 credit Grade 11

**Requirements: A average in English and teacher approval.** This Advanced Placement course is an intensive study of language and composition; it is not a literature or creative writing course. Students learn to respond to language with increasing sensitivity and discrimination. The course focuses on three core areas: reading comprehension of highly sophisticated essays and passages, style analysis, and free response interpretation which requires students to address issues or themes based on their own knowledge and reading. Analytical criteria include syntax, diction, figurative language, and tone.

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### NEW AP SEMINAR

#### 3020 Honors

Year 1 credit Grades 10, 11

**Requirements: A in CP English course or B or higher in Honors English course.** AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational learning and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and experience artistic works and performances. Students will be equipped with the power to analyze and evaluate information with accuracy and precision, in order to craft and communicate evidence-based arguments.

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### NEW MYTHOLOGY & FOLKLORE

#### 3222 College Prep

Semester 1/2 credit All Grades

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. This semester overview will give students a strong foundation in the myths and legends of various cultures and will help them see the role different mythologies still play in our lives. They will explore the role of mythology/folklore through literature, media and the arts and learn the overarching structure of the genre. Additionally, students will work on reading and writing skills (both formal and creative) as well as public speaking skills.

### NEW BUSINESS COMMUNICATIONS

#### 3122 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course provides students with communication principles, concepts, and techniques, essential components for effective organization behavior in oral, written, and nonverbal communication situations.

### CREATIVE WRITING

#### 3703 College Prep

Year 1 credit Grades 10, 11, 12

This course is designed for students who enjoy writing as a form of art and personal expression. Students will have the opportunity to explore several different types of poetry and prose styles. Originality and writing that shows thought will be emphasized. Students will read and discuss articles on the craft of writing. The first semester will focus on poetry. The second semester will focus on prose. Students will complete a writing portfolio at the end of each semester that will serve as their exam. Peer reviews, small and large group sharing, and meeting deadlines are essential items to this course.

### DRAMA I

#### 3883 College Prep

Semester 1/2 credit All Grades

This course serves as an introduction to theatrical arts. Students will experience this through immersion in reading, writing, acting, and directing.

# JUNIOR

## DRAMA II

### 3893 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Drama I, experience in Drama Club and/or Glee Club production in either cast or crew and teacher approval.** This course is for students serious about a deeper study and application of drama. Students will demonstrate proficiency in characterization, diction, memorization, script analysis, and concentration. They will perform a monologue or scripted scene after engaging in deep study and rehearsal of the piece. As they come available, students will also work on technical theatre projects related to the spring musical. By the end of this course, students will gain a depth of knowledge in acting technique as well as a broad understanding of the many facets of technical theatre. All learning objectives for this course are aligned to the National Theatre Standards as outlined by the Educational Theatre Association. Active class participation is key for success in this course. **Note:** All students in this course are **required** to attend some after school events related to the work they are doing in the course (Festival of the Lively Arts and the Spring Musical).

## SPEECH

### 3843 College Prep

Semester 1/2 credit All Grades

In speech, students will learn how to prepare and deliver several types of oral presentations including oratory, extemporaneous speaking, impromptu speaking, and analysis and delivery of TED Talks.

## DEBATE

### 3853 College Prep

Semester 1/2 credit Grades 10, 11, 12

In debate, students get a formal introduction to debate and argumentation. Students will learn how to structure logical arguments that affect society's policies and values, and participate in Student Congress.

## HONORS DEBATE

### 3850 Honors

Semester 1/2 credit Grades 11, 12

**Requirements: Teacher approval.** As a follow up to college prep debate, or as an advanced level introduction to the fundamentals of argument and rhetoric, students will explore the role of debate in depth. Through participation in a variety of debate formats, students will understand the importance of constructing a valid argument, finding appropriate supporting evidence, and evaluating and refuting the arguments of their opponents. Students interested in pursuing a degree in law, politics, or simply improving their own personal discourse are highly encouraged to enroll in Honors Debate.

## SPANISH 1

### 4011 Honors

### 4012 College Prep

Year 1 credit All Grades

**Requirements: At least a C average in English and English teacher approval.**

This course is designed to cover daily vocabulary, verb structures, conversational expressions, and grammar. The

course includes an introduction to the Hispanic world including its culture and customs. Spanish 1 honors is a beginner course for advanced students. Eligibility for the honors level will be determined by consultation with the counseling department at the time of course registration.

## SPANISH 2

### 4021 Honors

### 4022 College Prep

Year 1 credit All Grades

**Requirements for Honors: B or higher in Spanish 1 and teacher approval. Requirements for College Prep: Successful completion of Spanish 1.** Part two of the basic elements of Spanish, Spanish 2 further explores tenses and vocabulary. The course offers a more expanded view of select Hispanic countries. The honors level goes beyond this scope to include extra reading and writing projects of varying length.

## SPANISH 3

### 4031 Honors

### 4032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Spanish 2.**

Spanish 3 is an intermediate course for students who wish to gain better fluency and understanding of a world language. The course is intended to further develop facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is placed on developing the ability to communicate fluently with accurate pronunciation/intonation and sentence structure, in a variety of authentic contexts. Emphasis is also placed on fostering an appreciation of the culture of Spanish-speaking countries. The honors level expands on the basic topics and skills of the course.

## SPANISH 4

### 4041 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in Spanish 3 (H) and teacher approval.** This course further develops honors work in all the language skills using more comprehensive language structures. There is continued focus on developing an understanding of the culture and civilization of the Spanish-speaking world.

## AP SPANISH LANGUAGE AND CULTURE

### 4030 Honors

Year 1 credit Grades 11, 12

**Requirements: Spanish 4 (H) or a 90% or higher in Spanish 3 (H) with teacher approval.** This course is for the highly motivated language student. It develops language skills through interpersonal, interpretive, and presentational communication. Instruction also focuses on the culture and civilization of the Spanish-speaking world as they compare to and contrast with the student's own culture. Instruction and student participation are in Spanish. This course has been designed to follow the College Board AP guidelines.

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## MATH AND BUSINESS

In the following math course descriptions where two levels share the same basic description, it is essential to note that each level is taught with a variation in complexity of assignment expectations, lectures, tests, and exams. Graphing calculators (TI-83+ or TI-84/84+) are required for all math courses except Algebra Concepts (TI30X-IIS).

### GEOMETRY

#### 6021 Honors

#### 6022 College Prep

Year 1 credit Grades 9, 10, 11

**Requirements for Honors: B or higher in Algebra I**

**Honors or A in Algebra I CP.** This course focuses on the concepts of Euclidean Geometry. Topics include congruence of polygons, parallelism, ratio, proportion, similar triangles, circles, and informal proof techniques. Geometry includes the integration and application of algebra in geometric problems. Geometry emphasizes a hands-on approach with less time spent on traditional proofs using theorems and postulates. (TI) Texas Instrument graphing calculator required.

### ALGEBRA 2

#### 6031 Honors

#### 6032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements for Honors: B or higher in Geometry**

**Honors or A in Geometry CP.** In this course, students will build on the concepts learned in Algebra I and Geometry, and they will apply those concepts in their study of equations and inequalities and linear and quadratic relations and functions. Students will be introduced to relations and functions involving polynomials, inverses, radicals, exponentials, logarithms, and rational expressions. Graphing calculator required.

### PRE-CALCULUS

#### 6041 Honors

#### 6042 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements for Honors: B or higher in Algebra II**

**Honors or A in Algebra II CP and teacher approval.** This course includes the study of functions and their graphs, polynomial and rational functions and their graphs, logarithms, exponential equations, and trigonometry. The trigonometry includes trigonometric functions and graphs, inverse trigonometric functions, degree and radian measures, identities and equations. Honors courses will include solving trigonometric equations, trigonometric form of complex numbers, conic sections and their graphs, regression, and a project each semester. (TI) Texas Instrument graphing calculator required.

### AP CALCULUS

#### 6040 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in Pre-Calculus Honors and teacher approval.**

AP Calculus is a college level course which will prepare all students to take the AB version of the Advanced Placement Exam in May. This course is an intensive study of trigonometry, limits, and several differentiation and integration techniques with an emphasis on applications and modeling geometrically, numerically, analytically, and verbally. (TI) Texas Instrument graphing calculator required.

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### ACCOUNTING

#### 6112 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course introduces the college-bound student to the basic accounting concepts and career options, then progresses through the accounting cycle of a proprietorship and partnership. These concepts are reinforced on the computer with the use of an automated accounting program.

### PERSONAL MONEY MANAGEMENT

#### 2033 College Prep

Semester 1/2 credit Grades 11, 12

Are you prepared for college? Are you getting ready to leave the comforts of home and explore life on your own? Would you like to learn how to keep your own personal records: bank accounts, budgets, credit cards, investments & loans? If so, Personal Money Management is the course for you.

### MARKETING

#### 6212 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of General Business or counselor approval.**

The role of marketing and business education has greater importance as students become more intuitive about marketing influences at younger ages. Marketing education introduces students to the processes involved in providing products and services that meet customer needs and wants. As a major business discipline, marketing impacts local, domestic, and international economies. Students will study marketing principles and apply them in classroom simulations. This course is perfect for students interested in studying business at the next level.

# JUNIOR

## SCIENCE, HEALTH, AND PHYSICAL EDUCATION

### AP BIOLOGY

#### 8010 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Honors Chemistry or A average in CP Chemistry, or currently enrolled in Honors Chemistry and teacher approval.** This course follows a national curriculum outlined by the College Board. Students will study the process of evolution, the transfer of energy and information between cellular and organismal systems, and the complex properties of living things. Lab work will make up approximately 25% of the course. This rigorous course develops critical thinking skills and a sound knowledge base, preparing students for success at the undergraduate level.

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### CHEMISTRY

#### 8031 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology Honors/A or higher in Biology CP and an A in Algebra I Honors/CP and teacher approval.** Honors Chemistry is a lab course designed to examine the theories surrounding matter and its interactions. The course is rigorous by nature and is recommended for students considering a science related career. Extensive use of mathematics is required. Calculator required.

### CHEMISTRY

#### 8032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology CP and B+ or higher Algebra I CP.** College Prep Chemistry is a lab course emphasizing the basic concepts of modern chemistry and problem-solving methods used in college courses. Contemporary theories are considered that attempt to explain the interrelationships of matter and chemical behavior and applications to science and industry. Laboratory work is an important component. Scientific calculators required.

### ANATOMY AND PHYSIOLOGY

#### 8021 Honors

#### 8022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology. Teacher approval for Honors level.** All Anatomy and Physiology courses are lab-based courses which include an in-depth study of the structures and functions of the human body. This elective course includes dissections and interactive labs.

### AP CHEMISTRY

#### 8030 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in Chemistry Honors, or an A in Chemistry CP and chemistry teacher approval.** This AP chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college and is structured around the four big ideas articulated in the AP chemistry curriculum framework provided by the College Board. This course is recommended for students who wish to take part in a rigorous laboratory science course. Approximately 25% of the course is lab work. Calculator required.

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### PHYSICS

#### 8042 College Prep

Year 1 credit Grades 11, 12

**Requirements: B or higher in Algebra 2 Honors/CP.** This lab course is for the science student contemplating an engineering or science career but who chooses not to take the AP Physics course. It is mostly a theoretical and conceptual approach to Physics. Some long term group projects are required.

### AP PHYSICS

#### 8040 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in AP/Honors Chemistry or A in CP Chemistry. Completion or enrollment in Algebra 2 and teacher approval.** AP Physics 1 is an algebra-based, introductory college-level physics course outlined by the College Board that explores topics such as Newtonian mechanics (including rotational motion and angular momentum); work, energy, and power; mechanical waves and sound; and introduction to simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course is intended for the engineering, pre-med, pre-dental, pre-vet, pharmacy, and architect students.

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### INTEGRATED PHYSICAL SCIENCE

#### 8002 College Prep

Year 1 credit Grades 10, 11, 12

This lab-based course covers topics in traditional physical science, earth and space science and contemporary issues in the natural world. This course is designed for the student who wants to pursue further studies in chemistry and/or physics, as well as for the student who wants to meet the physical science requirement for graduation.

# JUNIOR

## ZOOLOGY

### 8224 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology.** This lab course is designed to provide students with an introduction to general zoology. Students will investigate the origin of animal life, animal reproduction, and development. Classification of major phyla of animals and the major classes of vertebrates, as well as structure and function of animal anatomy will constitute the majority of this course. By studying basic concepts of animal behavior and ecosystems, students will use dissections, case studies, and other contemporary concepts to further their knowledge of animal science.

## ADVANCED TOPICS IN BIOLOGY

### 8000 Honors

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology and teacher approval.** Anatomy and Physiology is recommended as a prerequisite or concurrent course. This advanced biology course includes the study of genetics, pathology, bioethics, and current biological issues. The challenging nature of this course is designed for the student who plans to pursue a medical or biology curriculum after high school.

## FORENSIC SCIENCE

### 8421 Honors

### 8422 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Anatomy and Physiology and Chemistry (can be concurrent). Teacher approval for Honors level.** Forensic Science is a lab-based semester elective. The course focuses on the science behind crime scene investigation. Elements of biology, anatomy, chemistry, and physical science are included in this course. The Honors level course includes a heavier mathematical and technical focus.

## WEIGHTLIFTING & ADVANCED FITNESS

### 9322 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Physical Education I and II or have met the physical education waiver requirement.** Weight training and strength training builds muscles and increases energy level and metabolism. This self-directed course will allow students to track and record fitness progress over a semester. Exercise safety will be discussed. Cardiovascular training will be included. This is an elective course and may be taken only once.

## NUTRITION

### 8222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology.** This course will focus on the basic nutrients bodies need, how to obtain these nutrients (types of foods), and what health problems may arise if nutrient needs are not met. Students will be able to choose healthy foods (make a better choice) based on

course content and individual needs. The course will discuss different nutrition styles such as: paleo, vegan, Keto/Atkins, vegetarians, etc.

## PHYSICAL EDUCATION I \*

### 9001 College Prep

Semester 1/4 credit All Grades

Physical Education is taught in a coed environment where sportsmanship, rules, cooperation, and teamwork are emphasized. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. The topics offered are football, soccer, volleyball, basketball, floor hockey, handball, softball, and badminton with a special focus on weight training and fitness. Students will also participate in a variety of other cooperative games designed to be fun and interactive to maximize participation and physical activity.

## PHYSICAL EDUCATION II \*

### 9002 College Prep

Semester 1/4 credit All Grades

Students enrich the skills learned in PE I. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and continued emphasis on physical fitness.

*\* Physical Education (PE) may be waived if the student participates in two seasons of Central Catholic sports, Marching Band, Cheerleading and some club sports. Students pursuing the PE waiver must fulfill the requirement by the end of sophomore year or PE will be on the schedule junior year.*

## AP ENVIRONMENTAL SCIENCE

### 8301 Honors

Year 1 credit Grades 11, 12

**Prerequisites: Biology-A in CP, B in H; Chemistry (if not taken concurrently)-A in CP, B in H; Algebra 1-A in CP, B in H, and teacher approval.** This is a multidisciplinary course emphasizing scientific principles, exploration of interrelationships of the natural world, and analysis of environmental issues, both natural and human-made. This course is equivalent to a one-semester college course in Environmental Science. The content of this course follows the requirements established by the College Board.

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## CHEMISTRY IN LIFE

### 8033 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Chemistry.** A project-based course exploring how concepts in chemistry can be applied to real life. For the first part of the semester, students will explore soil chemistry and plant a garden; the middle of the semester students will study chemistry in art; and the last part of the semester would be kitchen chemistry, which will entail cooking and food preparation.

## SOCIAL STUDIES

### AP U.S. GOVERNMENT

#### 5040 Honors

Year 1 credit Grades 11, 12

**Requirements: A in CP American History and/or B or higher in AP US History and teacher approval.** This Advanced Placement course requires in-depth reading assignments and intensive discussions. The Federal Government and its branches are a major part of the course. Civil rights, great documents in U.S. government, and landmark Supreme Court cases are heavily emphasized. Students should be prepared for the intense pace at which this course progresses.

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### AMERICAN GOVERNMENT

#### 5042 College Prep

Semester 1/2 credit Grades 11, 12

This course examines how the American people govern themselves at national, state, and local levels of government. Special attention will be given to the Bill of Rights, including Supreme Court cases that deal with those rights. The concept of historical thinking continues as students draw conclusions from locating and analyzing primary and secondary sources of information.

### ECONOMICS

#### 5132 College Prep

Semester 1/2 credit Grades 11, 12

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

### GEOGRAPHY

#### 5112 College Prep

Semester 1/2 credit All Grades

This course will build on students' prior knowledge of geography and spatial thinking through contemporary issues. Also, students will understand where the physical and cultural features are located and why they are located as they are and the implication of these arrangements.

### INTRODUCTION TO SOCIOLOGY

#### 5143 College Prep

Semester 1/2 credit All Grades

This college preparatory course will focus on the understanding of social interaction, social organization, social institutions, and social change. Students will explore ways human groups cooperate and conflict with one another. Multicultural awareness as well as other diversity issues involved in improving human relations will be a consistent theme throughout the course.

### RIGHTS AND PROTESTS IN THE 20TH CENTURY

#### 5232 College Prep

Semester 1/2 credit Grades 11, 12

Students in this college preparatory course will have the opportunity for a more in depth study of recent America. Topics include but are not limited to the Cold War, the Vietnam War and Anti-War movement, and the Civil Rights Movement. The course will also place emphasis on the understanding of global issues.

### INTRODUCTION TO PSYCHOLOGY

#### 5142 College Prep

Semester 1/2 credit Grades 11, 12

The study of human behavior is a fascinating but important field. In this introductory look at the world of Psychology we will talk about how the human brain functions and controls our behavior, mental disorders and their causes/treatments; how memory works and the factors that affect it; the stages and problems associated with sleep and how to deal with them; and more. Students should be prepared to play an important role in determining what topics are discussed, and participation in classroom activities is a major requirement.

## AP PSYCHOLOGY

### 5140 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in American History CP and/or American Government CP, and teacher approval.** This

AP Psychology course is designed to introduce students to the study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with psychology. This course requires discussions and extensive reading. Students should be prepared for the intense pace at which this course progresses.

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## WORLD WAR II

### 5401 College Prep

Semester 1/2 credit Grades 10, 11, 12

World War II will examine the causes, events and effects of the Second World War from both an American History and World History perspective. Students will examine primary source materials including government documents, personal journals, art, music, and video. The course will begin with the end of WWI and how it's flawed peace led to WWII. Students will look at the rise of totalitarian governments around the world with emphasis on Germany, Italy, Japan, and the Soviet Union. Students will examine the American stance of staying out of the conflicts in Europe and Asia. The course will explore the events leading up to the attack on Pearl Harbor before delving into the war in both Europe and Asia. Students will examine the Manhattan project and the ethical questions that rose from the creation of the first atomic bombs. The course will then go into detailed look at both the European Holocaust and American Internment of Asian Americans. The course will then wrap up with a student led mock trial of WWII leaders.

## AFRICAN-AMERICAN HISTORY: FROM EARLY AFRICAN HISTORY THROUGH JIM CROW AMERICA

### 5233 College Prep

Semester 1/2 credit Grades 11, 12

This course explores the history of the earliest civilizations of Africa, through western colonialism, the slave trade, the American Civil War and Reconstruction, and concludes with the enactment of Jim Crow laws in the United States. An understanding of African-American history, an appreciation for African culture and its contributions throughout history, and an ability to identify major historical themes will be the focuses and goals of this course. This course can be viewed as a precursor to "Rights and Protests in the 20th Century," where modern African-American historical topics are covered. Reading, writing, historical recollection and analysis, and discussion will be key components for success in the course.

## LANDMARK SUPREME COURT CASES

### 5240 Honors

Semester 1/2 credit Grades 11, 12

The U.S. Supreme Court has affected American society since the Marbury v. Madison decision in 1803. Landmark Supreme Court Cases will be an in-depth look at the U.S. Supreme Court, how it works, how the court makes decisions, where its power comes from, and what impact the Supreme Court can have on American society. Students will explore cases involving government powers, civil liberties, civil rights, and a wide range of other topics, including contemporary cases being currently argued or recently decided by the Court. Understanding, analysis, and evaluation will be the key skills students will hone in this course, preparing them for college- and post-college-level courses. Students will be expected to read case decisions and write their own briefs.



# JUNIOR

## ART, MUSIC, AND TECHNOLOGY

### BEGINNING BAND

#### 7003 College Prep

Year 1 credit All Grades

This first semester course is for the student, with little or no experience, who would like to learn to play a wind or percussion instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in Marching and Concert Band.

### CONCERT BAND

#### 7112 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Concert Band. The Concert Band performs a variety of music from many styles and periods. Students will develop their sight-reading skills and general musicianship through this course. It is open to wind and percussion instrumentalists. There will be performance and rehearsal requirements outside the normal school day.

### MARCHING BAND

#### 7212 College Prep

1st Semester 1/2 credit All Grades

**Requirements: Taken in conjunction with Concert Band. Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Marching Band, in conjunction with Concert Band. The course meets three days per week after school during the first semester. It is important to note that those who sign up for this course must also sign up for Concert Band (7112). There will be performance and rehearsal requirements outside the normal school day. During the summer, rehearsals are held during the 2-3 weeks preceding the school year. For a summer schedule with exact dates, please contact the Director.

### BEGINNING STRINGS

#### 7203 College Prep

2nd Semester 1/2 credit Grades 9, 10, 11

This second semester course is for the student, with little or no experience, who would like to learn to play an orchestral string instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in String Orchestra the following school year.

### STRING ORCHESTRA

#### 7103 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Strings, participation in junior high band program, or Director approval.**

The String Orchestra is an ensemble that meets during school everyday and is open to all classical string instruments (violin, viola, cello, bass). The ensemble studies and performs music from all genres, including anything from classical to contemporary music. The group is involved in concerts throughout the year. String orchestra is open to all experienced members as well as members looking to learn a new instrument!

### MIXED CHORUS

#### 7113 College Prep

Year 1 credit All Grades with no audition

Mixed Chorus is open to all voices who wish to sing in a SAB or SATB performing group while learning the fundamentals of voice production, score interpretation, sight reading, and basic theory. The Mixed Chorus performs in "The Sounds of Christmas," OMEA choral contests, the "Festival of the Lively Arts," and sings at some school Masses. Performances and rehearsals are mandatory, and all students are required to attend one performance of the Spring Musical. Students also have the opportunity to audition for the chorus of the Spring Musical.

# JUNIOR

## GLEE CLUB

### 7021 Honors\*

### 7033 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Audition and teacher approval (NOTE: Although Mixed Chorus is an excellent preparatory course for Glee Club, it is not a prerequisite.)** The Glee Club is a select choir which studies sight reading, choral diction, articulation, balance, blend, vocal production, and stage presence. Members perform a varied selection of choral repertoire ranging from classical to contemporary literature. Glee Club members have a rigorous performance schedule throughout the year including "The Sounds of Christmas" and the Spring musical. Performances and rehearsals are mandatory. Students are required to attend Spring musical rehearsals during the week of Easter vacation. \*Students need at least two credits in one or more of Central Catholic's vocal groups to qualify for honors credit. Course credit applies to both singers and student accompanists.

## BEGINNING PIANO

### 7313 College Prep

Year 1 credit All Grades

This course is for students who have no previous experience playing the piano. Instruction includes learning to read music, performing pieces with musical accuracy as well as learning basic music theory. Performances outside the school day will be required. Limited enrollment. Students will participate in a recital in the Spring. This will be a major part of their final grade.

## INTERMEDIATE PIANO

### 7314 College Prep

Year 1 credit All Grades

**Requirements: A student must have a parent signature confirming 2-3 years of piano experience or an A or B in Beginning Piano to enter the course.** In this course, students will learn to play intermediate piano selections and excerpts, as well as learning intermediate-level music symbology, theory, and performance skills. This course may require community and outside-of-class performances, based on student progress and teacher discretion. Daily participation and effort is required for success in this course.

## BEGINNING GUITAR

### 7921 College Prep

Semester 1/2 credit All Grades

This class will teach the fundamentals of the guitar and introduce students to basic music techniques. They will cover reading sheet music, basic music theory, songwriting, improvisation, history and genres of the guitar, as well as how to care for the instrument. Instrument will be provided.

## DANCE

### 7912 College Prep

Year 1 credit All Grades

**Requirements: Teacher approval after submission of an application.**

Students will learn an introduction to studio practice of ballet, jazz, hip-hop and musical theatre dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have appropriate dance attire (fitted bottoms and a fitted shirt). Jazz shoes are required (an additional cost of about \$40). This is a year long course and students will earn one full credit towards their fine art requirement for graduation. Contact Ms. Toland for an application.

## MUSIC THEORY

### 7312 College Prep

Semester 1/2 credit All Grades

This course will focus on the theoretical elements of music in a standard classroom setting. Students will learn the fundamentals of music reading, scale construction, chord progressions, and music writing.

## DRAWING & PAINTING

### 9022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** One semester will focus on drawing, which will include a variety of mediums such as graphite, pen & ink, charcoal, etc. Subject matter will include studies of still life, portraits, and the human figure. The painting semester will explore theories of color through the use of color pencils, watercolor, and acrylic paints. Art history and appreciation will be incorporated into both semesters.

# JUNIOR

## ART FUNDAMENTALS

### 9113 College Prep

Year 1 credit All Grades

This is an introductory course that exposes students to art production, art history, art criticism, and aesthetics. Studies of the elements and principles of design are incorporated into studio projects in a sequential fashion. Drawing, painting, printmaking, computer graphics, and ceramics are introduced.

## CERAMICS & SCULPTURE

### 9032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course introduces students to functional pottery, and also using clay as a medium for creative expression. A variety of hand-building methods will be introduced, as well as a variety of glazing techniques. Students will explore clay, and various other materials, to make relief sculptures and free-standing sculptures.

## GRAPHICS

### 9222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course explores the elements of art and design principles as applied to fine art applications in digital imaging. Students will use Adobe Photoshop to explore both technical and artistic image manipulation. Some of the topics covered are retouching, image adjustments, extracting techniques, masks, filters, and creating custom brushes, patterns, and gradients. Course is limited to 10 students.

## 3D MODELING & ANIMATION

### 2063 Honors College Prep

Semester 1/2 credit All Grades

**Requirements: Teacher approval.** This class will focus on various aspects of 3D imaging and animation using Blender. Some of the topics covered will be 3D wireframe modeling, extruding 3D meshes, multi-resolution mesh modeling, rigging, skinning, keyframe animation, modifiers, materials, textures, and particle systems. Course is limited to 10 students.

## ADVANCED ART

### 9041 Honors

Year 1 credit Grades 11, 12

**Requirements: Requirements: Art Fundamentals, Drawing & Painting, and teacher approval.** This is a Pre-AP course that develops the skills necessary for success in AP Studio Art. The course focuses on the development of skills with a wide variety of art materials and artistic processes that connect to ideas. Students will develop these ideas for a Sustained Investigation in AP Studio Art that connects practice, experimentation, and revision to materials, processes, and ideas.

## YEARBOOK

### 9052 College Prep

Year 1 credit Grades 11, 12

**Requirements: At least a B in English, teacher recommendation, and teacher approval after submission of an application.** This course, in the process of producing the school yearbook, focuses on the development of journalistic techniques required to produce a timely, creative record of the school year. Work outside of the classroom – mostly photographing events – may be required. Students who wish to enroll must exhibit an enthusiasm for the yearbook as well as a willingness to improve skills in photography, design, and reporting. Class size is limited. Contact Ms. O'Mara for the application.

## INTRO TO COMPUTER SCIENCE

### 2150A College Prep

Semester 1/2 credit Grades 10, 11, 12

Computer Science Discoveries is an introductory computer science course. Mapped to CTSA standards, the course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

## ROBOTICS

### 2052 College Prep

Semester 1/2 credit Grades 10, 11, 12

Robotics is designed for students to learn computer programming logic and reasoning skills using a robotics engineering context. The curriculum consists of four parts including: Basic Movement, Sensors, Program Flow, and Direct Control. Each part is broken into units that incorporate key robotics and programming concepts. Research projects will expose students to the engineering process.

## WEB DESIGN I

### 2012 College Prep

Semester 1/2 credit All Grades

This course offers an introduction to web page design through HTML5 and CSS code. Students will explore web design and development concepts, and create simple web pages with raw code using page editors.

## WEB DESIGN II

### 2122 College Prep

Semester 1/2 credit All Grades

**Requirements: Successful completion of Web Design I or teacher approval.** This course continues where Web Design I ends. Students will continue to work in raw code focusing on HTML and CSS, and will produce live websites using an online website editor.

## SOUND PRODUCTION AND ENGINEERING

### 2232 College Prep

Semester 1/2 credit Grades 11, 12

Students will learn the foundations of sound principals, live sound design, and audio engineering through hands-on experiences including studio recording, live sound setup and operations during school events, performance recordings and other in-class projects. Successful completion of this course, including outside-of-class effort, will result in solid preparation for a major or career in audio recording/production.

## AP COMPUTER SCIENCE PRINCIPLES

### 2120 Honors

Year 1 credit Grades 10, 11, 12

#### Requirements: Teacher approval.

This course focuses on Code.org's Computer Science Principles (CSP) curriculum. It is a rigorous entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students are required to take and pay for the AP exam at the end of the course.

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## INTRO TO EDUCATION

### 9422 College Prep

Semester 1/2 credit Grades 10, 11, 12

This introductory level course is designed for students who are interested in pursuing a career in education. The course focuses on a history of education, teaching strategies, current issues, and roles of school personnel. This course can assist students in determining their level of interest to pursue a career in education after high school.

## NEW JUNIOR ACT & COLLEGE PLANNING

### 9132 College Prep

2nd Semester 1/2 credit Grade 11

This course focuses on preparing students for the ACT test, focusing on all test subject areas. This course will also dive into the college exploration process including the college search, college visits, and planning and completing the college application process.

### Study Hall, 1st Sem

#### 0998

1st Semester No credit All Grades

### Study Hall, 2nd Sem

#### 0999

2nd Semester No credit All Grades

### Resource Room Semester 1

#### 0918

1st Semester 1/4 credit All Grades

### Resource Room Semester 2

#### 0919

2nd Semester 1/4 credit All Grades

# SENIOR

## THEOLOGY

Theology is the mother of all disciplines and is therefore an integral component to the intellectual formation of all Central Catholic students. The Theology Curriculum at Central Catholic High School is an implementation of the Diocese of Toledo Course of Study for High School Theology based on the Doctrinal Elements of a Curriculum Framework developed by the United States Conference of Catholic Bishops. Each year students complete two or three semester Framework courses as indicated in the following course descriptions.

### THEOLOGY 4

1042 College Prep

1041 Honors

Year 1 credit Grade 12

**Requirements for Honors: Teacher approval based on a strong foundation in English, reading, and writing.**

Theology 4 consists of Diocesan Electives "Catholic Social Teaching" and "World Religions and Catholic Faith: Ecumenism and Apologetics." In Catholic Social Teaching, students will be introduced to the Principles of Catholic Social Teaching and see the emphasis on the care for the poor and vulnerable in society. In Ecumenism and Apologetics, students will explore how the Catholic Church relates to non-Catholic Christians as well as other religions of the world. Students will be able to explain and defend Catholic beliefs, practices, and attitudes.

### **NEW** THE STORY OF JERUSALEM & ISRAEL

1132 College Prep

1131 Honors

Semester 1/2 credit Grades 11, 12

**Requirements for Honors: B or higher in Theology and teacher approval.**

This course looks into the history of Jerusalem and Israel, starting from its roots to the modern era, where it is the center of cultural and religious worship and conflict. Students will highlight its biblical history and explore the recent conflict between Israel and Palestine. Students will ask the questions: what role does the church play in all of this and is peace possible?

# SENIOR

## ENGLISH & WORLD LANGUAGES

In the following course descriptions, where two or more levels share the same basic description, it is essential to note that each level is taught with the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

### SENIOR ENGLISH SEMINAR

#### 3042 College Prep

Year 1 credit Grade 12

**Requirements: Successful completion of World Literature.**

The Senior English Seminar course focuses the students on the advancement of skills necessary for college studies. This course focuses on four areas: reading, writing, speaking and listening, and language. Literature study will emphasize fiction, informational texts, drama and poetry. Students will continue to work on grammar concepts and sentence structure. Students will be expected to write on a pre-college level, but writings will be utilized to prepare students for the college experience. Additionally, students will develop a college application essay. At the end of the course, students will be required to complete a Final Project, employing comprehensive research skills. A single text is not provided for the course; instead, novels, handouts, and online study will be the sources for this course.

### AP LITERATURE AND COMPOSITION

#### 3030 Honors

Year 1 credit Grade 12

**Requirements: AP Language and teacher approval.** This Advanced Placement course is an intensive study and practice of writing and a study of imaginative literature with a strong focus on poetry, novels, and Shakespearean plays. Through careful reading and critical analysis, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes as well as such literary devices as figurative language, imagery, symbolism, and tone. In addition to reading comprehension, style analysis, and literary evaluation, coursework reviews grammar, syntax, and past AP literature tests. Students are required to take and pay for the AP exam at the end of this course.

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### NEW MYTHOLOGY & FOLKLORE

#### 3222 College Prep

Semester 1/2 credit All Grades

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. This semester overview will give students a strong foundation in the myths and legends of various cultures and will help them see the role different mythologies still play in our lives. They will explore the role of mythology/folklore through literature, media and the arts and learn the overarching structure of the genre.

Additionally, students will work on reading and writing skills (both formal and creative) as well as public speaking skills.

### NEW BUSINESS COMMUNICATIONS

#### 3122 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course provides students with communication principles, concepts, and techniques, essential components for effective organization behavior in oral, written, and nonverbal communication situations.

### CREATIVE WRITING

#### 3703 College Prep

Year 1 credit Grades 10, 11, 12

This course is designed for students who enjoy writing as a form of art and personal expression. Students will have the opportunity to explore several different types of poetry and prose styles. Originality and writing that shows thought will be emphasized. Students will read and discuss articles on the craft of writing. The first semester will focus on poetry. The second semester will focus on prose. Students will complete a writing portfolio at the end of each semester that will serve as their exam. Peer reviews, small and large group sharing, and meeting deadlines are essential items to this course.

### DRAMA I

#### 3883 College Prep

Semester 1/2 credit All Grades

This course serves as an introduction to theatrical arts. Students will experience this through immersion in reading, writing, acting, and directing.

### DRAMA II

#### 3893 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Drama I, experience in Drama Club and/or Glee Club production in either cast or crew and teacher approval.** This course is for students serious about a deeper study and application of drama. Students will demonstrate proficiency in characterization, diction, memorization, script analysis, and concentration. They will perform a monologue or scripted scene after engaging in deep study and rehearsal of the piece. As they come available, students will also work on technical theatre projects related to the spring musical. By the end of this course, students will gain a depth of knowledge in acting technique as well as a broad understanding of the many facets of technical theatre. All learning objectives for this course are aligned to the National Theatre Standards as outlined by the Educational Theatre Association. Active class participation is key for success in this course. **Note:** All students in this course are **required** to attend some after school events related to the work they are doing in the course (Festival of the Lively Arts and the Spring Musical).

# SENIOR

## SPEECH

### 3843 College Prep

Semester 1/2 credit All Grades

In speech, students will learn how to prepare and deliver several types of oral presentations including oratory, extemporaneous speaking, impromptu speaking, and analysis and delivery of TED Talks.

## DEBATE

### 3853 College Prep

Semester 1/2 credit Grades 10, 11, 12

In debate, students get a formal introduction to debate and argumentation. Students will learn how to structure logical arguments that affect society's policies and values, and participate in Student Congress.

## HONORS DEBATE

### 3850 Honors

Semester 1/2 credit Grades 11, 12

**Requirements: Teacher approval.** As a follow up to college prep debate, or as an advanced level introduction to the fundamentals of argument and rhetoric, students will explore the role of debate in depth. Through participation in a variety of debate formats, students will understand the importance of constructing a valid argument, finding appropriate supporting evidence, and evaluating and refuting the arguments of their opponents. Students interested in pursuing a degree in law, politics, or simply improving their own personal discourse are highly encouraged to enroll in Honors Debate.

## SPANISH 1

### 4011 Honors

### 4012 College Prep

Year 1 credit All Grades

**Requirements: At least a C average in English and English teacher approval.**

This course is designed to cover daily vocabulary, verb structures, conversational expressions, and grammar. The course includes an introduction to the Hispanic world including its culture and customs. Spanish 1 honors is a beginner course for advanced students. Eligibility for the honors level will be determined by consultation with the counseling department at the time of course registration.

## SPANISH 2

### 4021 Honors

### 4022 College Prep

Year 1 credit All Grades

**Requirements for Honors: B or higher in Spanish 1 and teacher approval. Requirements for College Prep: Successful completion of Spanish 1.** Part two of the basic elements of Spanish, Spanish 2 further explores tenses and vocabulary. The course offers a more expanded view of select Hispanic countries. The honors level goes beyond this scope to include extra reading and writing projects of varying length.

## SPANISH 3

### 4031 Honors

### 4032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Spanish 2.**

Spanish 3 is an intermediate course for students who wish to gain better fluency and understanding of a world language. The course is intended to further develop facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is placed on developing the ability to communicate fluently with accurate pronunciation/intonation and sentence structure, in a variety of authentic contexts. Emphasis is also placed on fostering an appreciation of the culture of Spanish-speaking countries. The honors level expands on the basic topics and skills of the course.

## SPANISH 4

### 4041 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in Spanish 3 (H) and teacher approval.** This course further develops honors work in all the language skills using more comprehensive language structures. There is continued focus on developing an understanding of the culture and civilization of the Spanish-speaking world.

## AP SPANISH LANGUAGE AND CULTURE

### 4030 Honors

Year 1 credit Grades 11, 12

**Requirements: Spanish 4 (H) or a 90% or higher in Spanish 3 (H) with a teacher approval.** This course is for the highly motivated language student. It develops language skills through interpersonal, interpretive, and presentational communication. Instruction also focuses on the culture and civilization of the Spanish-speaking world as they compare to and contrast with the student's own culture. Instruction and student participation are in Spanish. This course has been designed to follow the College Board AP guidelines.

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# SENIOR

## MATH AND BUSINESS

In the following math course descriptions where two levels share the same basic description, it is essential to note that each level is taught with a variation in complexity of assignment expectations, lectures, tests, and exams. Graphing calculators (TI-83+ or TI-84/84+) are required for all math courses except Algebra Concepts (TI30X-IIS).

### ALGEBRA 2

#### 6031 Honors

#### 6032 College Prep

Year 1 credit Grades 10, 11, 12

#### Requirements for Honors: B or higher in Geometry

**Honors or A in Geometry CP.** In this course, students will build on the concepts learned in Algebra I and Geometry, and they will apply those concepts in their study of equations and inequalities and linear and quadratic relations and functions. Students will be introduced to relations and functions involving polynomials, inverses, radicals, exponentials, logarithms, and rational expressions. Graphing calculator required.

### PRE-CALCULUS

#### 6041 Honors

#### 6042 College Prep

Year 1 credit Grades 10, 11, 12

#### Requirements for Honors: B or higher in Algebra II Honors or A in Algebra II CP and teacher approval.

This course includes the study of functions and their graphs, polynomial and rational functions and their graphs, logarithms, exponential equations, and trigonometry. The trigonometry includes trigonometric functions and graphs, inverse trigonometric functions, degree and radian measures, identities and equations.

Honors courses will include solving trigonometric equations, trigonometric form of complex numbers, conic sections and their graphs, regression, and a project each semester. (TI) Texas Instrument graphing calculator required.

### AP CALCULUS

#### 6040 Honors

Year 1 credit Grades 11, 12

#### Requirements for Honors: B or higher in Pre-Calculus Honors and teacher approval.

AP Calculus is a college level course which will prepare all students to take the AB version of the Advanced Placement Exam in May. This course is an intensive study of trigonometry, limits, and several differentiation and integration techniques with an emphasis on applications and modeling geometrically, numerically, analytically, and verbally. (TI) Texas Instrument graphing calculator required.

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### MATH IDEAS AND STATISTICS

#### 6052 College Prep

Year 1 credit Grade 12

**Requirements: Successful completion of Algebra 2.** This course is for the student who is not going into a science or mathematics related field for their post-secondary studies and/or career. During the first semester, students will study logic, historic numeration systems, counting problems, probability, and voting apportionment. During the second semester, students will study statistics and use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs. Students will also test hypotheses. A Texas Instrument (TI) graphing calculator required.

### ACCOUNTING

#### 6112 College Prep

Semester 1/2 credit Grades 10, 11, 12

This course introduces the college-bound student to the basic accounting concepts and career options, then progresses through the accounting cycle of a proprietorship and partnership. These concepts are reinforced on the computer with the use of an automated accounting program.

### PERSONAL MONEY MANAGEMENT

#### 2033 College Prep

Semester 1/2 credit Grades 11, 12

Are you prepared for college? Are you getting ready to leave the comforts of home and explore life on your own? Would you like to learn how to keep your own personal records: bank accounts, budgets, credit cards, investments & loans? If so, Personal Money Management is the course for you.

### MARKETING

#### 6212 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of General Business or counselor approval.** The role of marketing and business education has greater importance as students become more intuitive about marketing influences at younger ages. Marketing education introduces students to the processes involved in providing products and services that meet customer needs and wants. As a major business discipline, marketing impacts local, domestic, and international economies. Students will study marketing principles and apply them in classroom simulations. This course is perfect for students interested in studying business at the next level.



# SENIOR

## SCIENCE, HEALTH AND PHYSICAL EDUCATION

### AP BIOLOGY

#### 8010 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Honors Chemistry or A average in CP Chemistry, or currently enrolled in Honors Chemistry and teacher approval.** This course follows a national curriculum outlined by the College Board. Students will study the process of evolution, the transfer of energy and information between cellular and organismal systems, and the complex properties of living things. Lab work will make up approximately 25% of the course. This rigorous course develops critical thinking skills and a sound knowledge base, preparing students for success at the undergraduate level.

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### CHEMISTRY

#### 8031 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology Honors/CP and an A in Algebra I Honors/CP and teacher approval.**

Honors Chemistry is a lab course designed to examine the theories surrounding matter and its interactions. The course is rigorous by nature and is recommended for students considering a science related career. Extensive use of mathematics is required. Calculator required.

### CHEMISTRY

#### 8032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: B or higher in Biology CP and B+ or higher Algebra I CP.** College Prep Chemistry is a lab course emphasizing the basic concepts of modern chemistry and problem-solving methods used in college courses. Contemporary theories are considered that attempt to explain the interrelationships of matter and chemical behavior and applications to science and industry. Laboratory work is an important component. Scientific calculators required.

### AP CHEMISTRY

#### 8030 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in Chemistry Honors, or an A in Chemistry CP and chemistry teacher approval.**

This AP chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college and is structured around the four big ideas articulated in the AP chemistry curriculum framework provided by the College Board. This course is recommended for students who wish to take part in a rigorous laboratory science course. Approximately 25% of

the course is lab work. Calculator required.

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### PHYSICS

#### 8042 College Prep

Year 1 credit Grades 11, 12

**Requirements: B or higher in Algebra 2 Honors/CP.**

This lab course is for the science student contemplating an engineering or science career but who chooses not to take the AP Physics course. It is mostly a theoretical and conceptual approach to Physics. Some long term group projects are required.

### AP PHYSICS

#### 8040 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in AP/Honors Chemistry or A in CP Chemistry. Completion or enrollment in Algebra 2 and teacher approval.**

AP Physics 1 is an algebra-based, introductory college-level physics course outlined by the College Board that explores topics such as Newtonian mechanics (including rotational motion and angular momentum); work, energy, and power; mechanical waves and sound; and introduction to simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course is intended for the engineering, pre-med, pre-dental, pre-vet, pharmacy, and architect students.

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### INTEGRATED PHYSICAL SCIENCE

#### 8002 College Prep

Year 1 credit Grades 10, 11, 12

This lab-based course covers topics in traditional physical science, earth and space science and contemporary issues in the natural world. This course is designed for the student who wants to pursue further studies in chemistry and/or physics, as well as for the student who wants to meet the physical science requirement for graduation.

### ANATOMY AND PHYSIOLOGY

#### 8021 Honors

#### 8022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology. Teacher approval for Honors level.** All Anatomy and Physiology courses are lab-based courses which include an in-depth study of the structures and functions of the human body. This elective course includes dissections and interactive labs.

## ZOOLOGY

### 8224 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology.** This lab course is designed to provide students with an introduction to general zoology. Students will investigate the origin of animal life, animal reproduction, and development. Classification of major phyla of animals and the major classes of vertebrates, as well as structure and function of animal anatomy will constitute the majority of this course. By studying basic concepts of animal behavior and ecosystems, students will use dissections, case studies, and other contemporary concepts to further their knowledge of animal science.

## ADVANCED TOPICS IN BIOLOGY

### 8000 Honors

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology and teacher approval.** Anatomy and Physiology is recommended as a prerequisite or concurrent course. This advanced biology course includes the study of genetics, pathology, bioethics, and current biological issues. The challenging nature of this course is designed for the student who plans to pursue a medical or biology curriculum after high school.

## FORENSIC SCIENCE

### 8421 Honors

### 8422 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Anatomy and Physiology and Chemistry (can be concurrent). Teacher approval for Honors level.** Forensic Science is a lab-based semester elective. The course focuses on the science behind crime scene investigation. Elements of biology, anatomy, chemistry, and physical science are included in this course. The Honors level course includes a heavier mathematical and technical focus.

## PHYSICAL EDUCATION I \*

### 9001 College Prep

Semester 1/4 credit All Grades

Physical Education is taught in a coed environment where sportsmanship, rules, cooperation, and teamwork are emphasized. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. The topics offered are football, soccer, volleyball, basketball, floor hockey, handball, softball, and badminton with a special focus on weight training and fitness. Students will also participate in a variety of other cooperative games designed to be fun and interactive to maximize participation and physical activity.

## PHYSICAL EDUCATION II \*

### 9002 College Prep

Semester 1/4 credit All Grades

Students enrich the skills learned in PE I. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and continued emphasis on physical fitness.

## WEIGHTLIFTING & ADVANCED FITNESS

### 9322 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Physical Education I and II or have met the physical education waiver requirement.** Weight training and strength training builds muscles and increases energy level and metabolism. This self-directed course will allow students to track and record fitness progress over a semester. Exercise safety will be discussed. Cardiovascular training will be included. This is an elective course and may be taken only once.

## NUTRITION

### 8222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology.** This course will focus on the basic nutrients bodies need, how to obtain these nutrients (types of foods), and what health problems may arise if nutrient needs are not met. Students will be able to choose healthy foods (make a better choice) based on course content and individual needs. The course will discuss different nutrition styles such as: paleo, vegan, Keto/Atkins, vegetarians, etc.

## AP ENVIRONMENTAL SCIENCE

### 8301 Honors

Year 1 credit Grades 11, 12

**Prerequisites: Biology-A in CP, B in H; Chemistry (if not taken concurrently)-A in CP, B in H; Algebra 1-A in CP, B in H, and teacher approval.** This is a multidisciplinary course emphasizing scientific principles, exploration of interrelationships of the natural world, and analysis of environmental issues, both natural and human-made. This course is equivalent to a one-semester college course in Environmental Science. The content of this course follows the requirements established by the College Board.

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## CHEMISTRY IN LIFE

### 8033 College Prep

Semester 1/2 credit Grades 11, 12

**Requirement: Successful completion of Chemistry.** A project-based course exploring how concepts in chemistry can be applied to real life. For the first part of the semester, students will explore soil chemistry and plant a garden; the middle of the semester students will study chemistry in art; and the last part of the semester would be kitchen chemistry, which will entail cooking and food preparation.

# SENIOR

## SOCIAL STUDIES

### AP U.S. GOVERNMENT

#### 5040 Honors

Year 1 credit Grades 11, 12

**Requirements: A in CP American History and/or B or higher in AP US History and teacher approval.** This

Advanced Placement course requires in-depth reading assignments and intensive discussions. The Federal Government and its branches are a major part of the course. Civil rights, great documents in U.S. government, and landmark Supreme Court cases are heavily emphasized. Students should be prepared for the intense pace at which this course progresses.

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### AMERICAN GOVERNMENT

#### 5042 College Prep

Semester 1/2 credit Grades 11, 12

This course examines how the American people govern themselves at national, state, and local levels of government. Special attention will be given to the Bill of Rights, including Supreme Court cases that deal with those rights. The concept of historical thinking continues as students draw conclusions from locating and analyzing primary and secondary sources of information.

### ECONOMICS

#### 5132 College Prep

Semester 1/2 credit Grades 11, 12

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

### GEOGRAPHY

#### 5112 College Prep

Semester 1/2 credit All Grades

This course will build on students' prior knowledge of geography and spatial thinking through contemporary issues. Also, students will understand where the physical and cultural features are located and why they are located as they are and the implication of these arrangements.

### INTRODUCTION TO SOCIOLOGY

#### 5143 College Prep

Semester 1/2 credit All Grades

This college preparatory course will focus on the understanding of social interaction, social organization, social institutions, and social change. Students will explore ways human groups cooperate and conflict with one another. Multicultural awareness as well as other diversity issues involved in improving human relations will be a consistent theme throughout the course.

### RIGHTS AND PROTESTS IN THE 20TH CENTURY

#### 5232 College Prep

Semester 1/2 credit Grades 11, 12

Students in this college preparatory course will have the opportunity for a more in depth study of recent America. Topics include but are not limited to the Cold War, the Vietnam War and Anti-War movement, and the Civil Rights Movement. The course will also place emphasis on the understanding of global issues.

### INTRODUCTION TO PSYCHOLOGY

#### 5142 College Prep

Semester 1/2 credit Grade 11, 12

The study of human behavior is a fascinating but important field. In this introductory look at the world of Psychology we will talk about how the human brain functions and controls our behavior, mental disorders and their causes/treatments; how memory works and the factors that affect it; the stages and problems associated with sleep and how to deal with them; and more. Students should be prepared to play an important role in determining what topics are discussed, and participation in classroom activities is a major requirement.

# SENIOR

## AP PSYCHOLOGY

### 5140 Honors

Year 1 credit Grades 11, 12

**Requirements: B or higher in American History CP and/or American Government CP, and teacher approval.** This

AP Psychology course is designed to introduce students to the study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with psychology. This course requires discussions and extensive reading. Students should be prepared for the intense pace at which this course progresses.

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## WORLD WAR II

### 5401 College Prep

Semester 1/2 credit Grades 10, 11, 12

World War II will examine the causes, events and effects of the Second World War from both an American History and World History perspective. Students will examine primary source materials including government documents, personal journals, art, music, and video. The course will begin with the end of WWI and how its flawed peace led to WWII. Students will look at the rise of totalitarian governments around the world with emphasis on Germany, Italy, Japan, and the Soviet Union. Students will examine the American stance of staying out of the conflicts in Europe and Asia. The course will explore the events leading up to the attack on Pearl Harbor before delving into the war in both Europe and Asia. Students will examine the Manhattan project and the ethical questions that rose from the creation of the first atomic bombs. The course will then go into detailed look at both the European Holocaust and American Internment of Asian Americans. The course will then wrap up with a student led mock trial of WWII leaders.

## AFRICAN-AMERICAN HISTORY: FROM EARLY AFRICAN HISTORY THROUGH JIM CROW AMERICA

### 5233 College Prep

Semester 1/2 credit Grades 11, 12

This course explores the history of the earliest civilizations of Africa, through western colonialism, the slave trade, the American Civil War and Reconstruction, and concludes with the enactment of Jim Crow laws in the United States. An understanding of African-American history, an appreciation for African culture and its contributions throughout history, and an ability to identify major historical themes will be the focuses and goals of this course. This course can be viewed as a precursor to "Rights and Protests in the 20th Century," where modern African-American historical topics are covered. Reading, writing, historical recollection and analysis, and discussion will be key components for success in the course.

## LANDMARK SUPREME COURT CASES

### 5240 Honors

Semester 1/2 credit Grades 11, 12

The U.S. Supreme Court has affected American society since the Marbury v. Madison decision in 1803. Landmark Supreme Court Cases will be an in-depth look at the U.S. Supreme Court, how it works, how the court makes decisions, where its power comes from, and what impact the Supreme Court can have on American society. Students will explore cases involving government powers, civil liberties, civil rights, and a wide range of other topics, including contemporary cases being currently argued or recently decided by the Court. Understanding, analysis, and evaluation will be the key skills students will hone in this course, preparing them for college- and post-college-level courses. Students will be expected to read case decisions and write their own briefs.

# SENIOR

## ART, MUSIC, AND TECHNOLOGY

### BEGINNING BAND

#### 7003 College Prep

Year 1 credit All Grades

This first semester course is for the student, with little or no experience, who would like to learn to play a wind or percussion instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in Marching and Concert Band.

### CONCERT BAND

#### 7112 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Concert Band. The Concert Band performs a variety of music from many styles and periods. Students will develop their sight-reading skills and general musicianship through this course. It is open to wind and percussion instrumentalists. There will be performance and rehearsal requirements outside the normal school day.

### MARCHING BAND

#### 7212 College Prep

1st Semester 1/2 credit All Grades

**Requirements: Taken in conjunction with Concert Band. Completion of Beginning Band, participation in junior high band program, or Director approval.** This course is for students who wish to participate in the CCHS Marching Band, in conjunction with Concert Band. The course meets three days per week after school during the first semester. It is important to note that those who sign up for this course must also sign up for Concert Band (7112). There will be performance and rehearsal requirements outside the normal school day. During the summer, rehearsals are held during the 2-3 weeks preceding the school year. For a summer schedule with exact dates, please contact the Director.

### BEGINNING STRINGS

#### 7203 College Prep

2nd Semester 1/2 credit Grades 9, 10, 11

This second semester course is for the student, with little or no experience, who would like to learn to play an orchestral string instrument. Students are encouraged to buy/rent their own instruments (some school-owned instruments may be available to use). Students who complete this course will then be eligible to participate in String Orchestra the following school year.

### STRING ORCHESTRA

#### 7103 College Prep

Year 1 credit All Grades

**Requirements: Completion of Beginning Strings, participation in junior high band program, or Director approval.**

The String Orchestra is an ensemble that meets during school everyday and is open to all classical string instruments (violin, viola, cello, bass). The ensemble studies and performs music from all genres, including anything from classical to contemporary music. The group is involved in concerts throughout the year. String orchestra is open to all experienced members as well as members looking to learn a new instrument!

### MIXED CHORUS

#### 7113 College Prep

Year 1 credit All Grades with no audition

Mixed Chorus is open to all voices who wish to sing in a SAB or SATB performing group while learning the fundamentals of voice production, score interpretation, sight reading, and basic theory. The Mixed Chorus performs in "The Sounds of Christmas," OMEA choral contests, the "Festival of the Lively Arts," and sings at some school Masses. Performances and rehearsals are mandatory, and all students are required to attend one performance of the Spring Musical. Students also have the opportunity to audition for the chorus of the Spring Musical.

### GLEE CLUB

#### 7021 Honors\*

#### 7033 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Audition and teacher approval (NOTE: Although Mixed Chorus is an excellent preparatory course for Glee Club, it is not a prerequisite.)** The Glee Club is a select choir which studies sight reading, choral diction, articulation, balance, blend, vocal production, and stage presence. Members perform a varied selection of choral repertoire ranging from classical to contemporary literature. Glee Club members have a rigorous performance schedule throughout the year including "The Sounds of Christmas" and the Spring musical. Performances and rehearsals are mandatory. Students are required to attend Spring musical rehearsals during the week of Easter vacation. \*Students need at least two credits in one or more of Central Catholic's vocal groups to qualify for honors credit. Course credit applies to both singers and student accompanists.

# SENIOR

## BEGINNING PIANO

### 7313 College Prep

Year 1 credit All Grades

This course is for students who have no previous experience playing the piano. Instruction includes learning to read music, performing pieces with musical accuracy as well as learning basic music theory. Performances outside the school day will be required. Limited enrollment. Students will participate in a recital in the Spring. This will be a major part of their final grade.

## INTERMEDIATE PIANO

### 7314 College Prep

Year 1 credit All Grades

**Requirements: A student must have a parent signature confirming 2-3 years of piano experience or an A or B in Beginning Piano to enter the course.** In this course, students will learn to play intermediate piano selections and excerpts, as well as learning intermediate-level music symbology, theory, and performance skills. This course may require community and outside-of-class performances, based on student progress and teacher discretion. Daily participation and effort is required for success in this course.

## BEGINNING GUITAR

### 7921 College Prep

Semester 1/2 credit All Grades

This class will teach the fundamentals of the guitar and introduce students to basic music techniques. They will cover reading sheet music, basic music theory, songwriting, improvisation, history and genres of the guitar, as well as how to care for the instrument. Instrument will be provided.

## DANCE

### 7912 College Prep

Year 1 credit All Grades

**Requirements: Teacher approval after submission of an application.**

Students will learn an introduction to studio practice of ballet, jazz, hip-hop and musical theatre dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have appropriate dance attire (fitted bottoms and a fitted shirt). Jazz shoes are required (an additional cost of about \$40). This is a year long course and students will earn one full credit towards their fine art requirement for graduation. Contact Ms. Toland for an application.

## MUSIC THEORY

### 7312 College Prep

Semester 1/2 credit All Grades

This course will focus on the theoretical elements of music in a standard classroom setting. Students will learn the fundamentals of music reading, scale construction, chord progressions, and music writing.

## DRAWING & PAINTING

### 9022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** One semester will focus on drawing, which will include a variety of mediums such as graphite, pen & ink, charcoal, etc. Subject matter will include studies of still life, portraits, and the human figure. The painting semester will explore theories of color through the use of color pencils, watercolor, and acrylic paints. Art history and appreciation will be incorporated into both semesters.

## CERAMICS & SCULPTURE

### 9032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course introduces students to functional pottery, and also using clay as a medium for creative expression. A variety of hand-building methods will be introduced, as well as a variety of glazing techniques. Students will explore clay, and various other materials, to make relief sculptures and free-standing sculptures.

## GRAPHICS

### 9222 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and teacher approval.** This course explores the elements of art and design principles as applied to fine art applications in digital imaging. Students will use Adobe Photoshop and Adobe Illustrator to explore both technical and artistic image manipulation and graphic creation. Some of the topics covered are retouching, image adjustments, extracting techniques, masks, patterns, advertising, vector art, branding, and more. Course is limited to 10 students.

## 3D MODELING & ANIMATION

### 2063 Honors

Semester 1/2 credit All Grades

**Requirements: Teacher approval.** This class will focus on various aspects of 3D imaging and animation using Blender. Some of the topics covered will be 3D wireframe modeling, extruding 3D meshes, multi-resolution mesh modeling, rigging, skinning, keyframe animation, modifiers, materials, textures, and particle systems. Course is limited to 10 students.

## YEARBOOK

### 9052 College Prep

Year 1 credit Grades 11, 12

**Requirements: At least a B in English, teacher recommendation, and teacher approval after submission of an application.** This course, in the process of producing the school yearbook, focuses on the development of

journalistic techniques required to produce a timely, creative record of the school year. Work outside of the classroom – mostly photographing events – may be required. Students who wish to enroll must exhibit an enthusiasm for the yearbook as well as a willingness to improve skills in photography, design, and reporting. Class size is limited. Contact Ms. O'Mara for the application.

## AP STUDIO ART

### 9040 Honors

Year 1 credit Grade 12

**Requirements: Art Fundamentals, and two of the following courses: Drawing & Painting, Ceramics & Sculpture or Graphics, and teacher approval.** This

course is for the serious student who is highly motivated and interested in pursuing visual art at the college level. Students may choose from AP Drawing or AP 2D Design. In this course students will engage in an in-depth, inquiry based Sustained Investigation, generating questions that will guide them through the critical thinking skills necessary to develop a visual idea. Emphasis will be on skillful synthesis of materials, processes, and ideas, and on articulating information about their work.

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## INTRO TO COMPUTER SCIENCE

### 2150A College Prep

Semester 1/2 credit Grades 10, 11, 12

Computer Science Discoveries is an introductory computer science course. Mapped to CTSA standards, the course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

## ROBOTICS

### 2052 College Prep

Semester 1/2 credit Grades 10, 11, 12

Robotics is designed for students to learn computer programming logic and reasoning skills using a robotics engineering context. The curriculum consists of four parts including: Basic Movement, Sensors, Program Flow, and Direct Control. Each part is broken into units that incorporate key robotics and programming concepts. Research projects will expose students to the engineering process.

## ART FUNDAMENTALS

### 9113 College Prep

Year 1 credit All Grades

This is an introductory course that exposes students to art production, art history, art criticism, and aesthetics. Studies of the elements and principles of design are incorporated into studio projects in a sequential fashion. Drawing, painting, printmaking, computer graphics, and ceramics are introduced.

## ADVANCED ART

### 9041 Honors

Year 1 credit Grades 11, 12

**Requirements: Art Fundamentals, Drawing & Painting, and teacher approval.** This is a Pre-AP course that

develops the skills necessary for success in AP Studio Art. The course focuses on the development of skills with a wide variety of art materials and artistic processes that connect to ideas. Students will develop these ideas for a Sustained Investigation in AP Studio Art that connects practice, experimentation, and revision to materials, processes, and ideas.

## WEB DESIGN I

### 2012 College Prep

Semester 1/2 credit All Grades

This course offers an introduction to web page design through HTML5 and CSS code. Students will explore web design and development concepts, and create simple web pages with raw code using page editors.

## WEB DESIGN II

### 2122 College Prep

Semester 1/2 credit All Grades

**Requirements: Successful completion of Web Design I or teacher approval.** This course continues where Web

Design I ends. Students will continue to work in raw code focusing on HTML and CSS, and will produce live websites using an online website editor.

## SOUND PRODUCTION AND ENGINEERING

### 2232 College Prep

Semester 1/2 credit Grades 11, 12

Students will learn the foundations of sound principals, live sound design, and audio engineering through hands-on experiences including studio recording, live sound setup and operations during school events, performance recordings and other in-class projects. Successful completion of this course, including outside-of-class effort, will result in solid preparation for a major or career in audio recording/production.

## SENIOR

### AP COMPUTER SCIENCE PRINCIPLES

#### 2120 Honors

Year 1 credit Grades 10, 11, 12

#### Requirements: Teacher approval.

This course focuses on Code.org's Computer Science Principles (CSP) curriculum. It is a rigorous entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students are required to take and pay for the AP exam at the end of the course.

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## MISCELLANEOUS

### INTRO TO EDUCATION

#### 9422 College Prep

Semester 1/2 credit Grades 10, 11, 12

This introductory level course is designed for students who are interested in pursuing a career in education. The course focuses on a history of education, teaching strategies, current issues, and roles of school personnel. This course can assist students in determining their level of interest to pursue a career in education after high school.

#### Study Hall, 1st Sem

##### 0998

1st Semester No credit All Grades

#### Study Hall, 2nd Sem

##### 0999

2nd Semester No credit All Grades

#### Resource Room Semester 1

##### 0918

1st Semester 1/4 credit All Grades

#### Resource Room Semester 2

##### 0919

2nd Semester 1/4 credit All Grades





CENTRAL CATHOLIC  
HIGH SCHOOL