

# Wesley College Preparatory School

## 2021-2022 Curriculum Guide



*Home of the Polar Bears*

*A guide to courses, graduation requirements, and college entrance for students and parents.*

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Wesley College Preparatory School  
920 W. 6<sup>th</sup> Street, Ontario, CA 91762  
714-820-9440

Welcome Students and Parents!

I am proud to introduce you to Wesley College Preparatory School. We promote a rigorous academic curriculum for all students who are committed to the challenges of a college preparatory program. Our students are challenged daily to develop their intellect through academics and to make a positive impact in our community. The thrust of Wesley Prep's mission is to serve as partners with parents to achieve their goal of ensuring that their students receive a quality college preparatory education in a Christian school context.

Recognizing the ever-increasing importance of digital technology in the lives of students worldwide, Wesley College Preparatory School is one-to-one school utilizing laptops for instructional and digital support. Students engage in dynamic digital learning across the curriculum both in and out of the classroom. The real-time feedback provides diagnostic data to teachers that result in differentiated instruction opportunities for accelerated learners and remediation opportunities for skill advancement where necessary. The goal is for student learning to increase as instruction becomes more individualized.

Wesley Prep's caring faculty pour their lives into our students. They consistently bring new teaching modalities into the classroom to engage our diverse student body in the subjects they are so passionate about. Wesley Prep's College Counseling Department starts meeting with students while in junior high to develop a plan to help students identify the best college match for them. At WCPS, each student is celebrated as an individual.

I hope that you will join us on this extraordinary journey and see what we have to offer.

Blessings,

*Tiffany Edwards*

Dr. Tiffany Edwards  
Principal

# Wesley College Preparatory School

## Our Mission

Wesley College Preparatory School is a Christian, faith-based 7th through 12th grade educational community committed to challenging and supporting our students to excel in academic, athletic, spiritual, and artistic realms. Each student is encouraged to become a caring and responsible global citizen who values collaboration, innovation, and critical thinking to impact our community and the world.

## Our Core Values

### *Safety*

Taking every measure to ensure the physical health and well-being of each member of our community. Creating a culture where it is safe to express oneself honestly, where every person is valued and every opinion is respected.

### *Excellence*

We strive for continuous improvement and foster a team spirit. We always challenge ourselves and look for new opportunities to learn and grow. The work of God is excellent, and so we will reflect that excellence in all that we do.

### *Innovation*

Creatively thinking outside of the box that results in new paradigms, approaches, or technologies. The flexibility to adapt and change to meet new challenges and arrive at new solutions.

### *Community*

Embrace individual and cultural differences, understand civic responsibilities and democratic principles, exhibit positive Christ centered character and values in everyday life, and contribute time, skills, and talents to improve the community at large.

## Learner Outcomes

The school's Learner Outcomes for Wesley College Preparatory School are as follows:

1. A productive individual in society who:
  - a. Identifies and solves problems by applying critical thinking skills and mathematical reasoning
  - b. Finds appropriate solutions as an individual or in collaboration with others
  - c. Uses effective communications skills
  - d. Actively pursues knowledge through a variety of resources incorporating the use of technology
  
2. An effective and informed citizen who:
  - a. Interprets and responds to different sources of information
  - b. Takes a positive, active role in his/her community
  - c. practices environmental responsibility
  
3. A culturally aware person who:
  - a. Respects their own culture and appreciates cultural similarities and differences
  - b. Recognizes and affirms the dignity and worth of every individual as a child of God
  - c. Accepts and deals positively with human diversity
  
4. A self-directed learner who:
  - a. Reflects upon personal and spiritual growth and development
  - b. Practices good health habits and physical fitness
  - c. Acquires new skills and applies new knowledge
  - d. Establishes career and life-long goals
  - e. Accepts personal responsibility for his/her actions

## Planning Your Course of Study

Wesley College Preparatory School's academic program consists of required courses and a wide range of elective courses. The "at a glance" pages provided in this book may help make it easier to navigate through the options available. There is one page for each grade level. When meeting with the school counselor, the "at a glance" pages are a good place to start. The pages show which subjects must be taken and a range of additional elective courses.

Wesley College Preparatory School does offer a non-college preparatory track called the "general high school diploma". More information regarding the general diploma can be found toward the end of the requirements section.

## REQUIREMENTS FOR 6-YEAR PROGRAM

Students are required to complete five academic classes per semester in addition to electives. The requirements listed below include students in grades 7–12.

- English—six years (required each year)
- History and Social Studies—five years
- Mathematics—five years; six years strongly recommended
- Science—five years of laboratory sciences; six years strongly recommended
- \*World Languages—the completion of study of one language through level II but level III is strongly recommended; or two languages both through level II
- \*\*Bible—six years (required each year)
- Visual or Performing Arts, grade 7 or 8—one year
- Visual or Performing Arts, grades 9, 10, 11, or 12—one full-year course or two semester courses
- College Preparatory Electives, grade 7 or 8—one year
- College Preparatory Electives, grades 9–12—six semesters
- Physical Education 7, grade 7—one year
- Physical Education 8, grade 8—one year
- Physical Education or Sports, grades 9–12—four semesters of PE or four seasons of sports or a combination thereof
- Health, grades 9–12—one semester

*\*Wesley College Preparatory School offers a language waiver to students in twocategories. The first is for students who have educational testing that reveals a specific language-based learning disability and have demonstrated difficulty in second-language acquisition. Students or families that have had testing that they believe may qualify a student for this waiver must contact the school's counselor. The second category is for students who are already fluent in anotherlanguage and have had most, if not all, of their previous educational experiencein another language. This will primarily apply to international students or students who have attended a full immersion program. The counselor will determine if the waiver is granted for either of these two situations.*

*\*\*The Bible requirement may be partially waived for students who attended a non-religious school prior to attending Wesley College Preparatory School. Students must complete a Bible course for each year they attend WCPS.*

## SERVICE REQUIREMENTS

In addition to the course requirements as listed on the previous page, all students are required to complete a minimum number of service hours per school year and participate in school service projects. Students must submit proof of community service each year while enrolled at Wesley College Preparatory School. The community service hour requirements are in addition to any community service hours that individual campus organizations may require as well. For example, students in the National Honors Society must complete the school's required community service hours PLUS the National Honors Society's community service hours. However, students may use their community service hours from non-campus organizations such as the Boy Scouts of America to fulfil the requirement. It is salient to note that community service hours are different from school service projects. Each specialized student group (grade, program, team, etc.) is assigned a specific project to complete each school year. The hours for school service are in addition to community service hours. Some examples of school service projects include murals, clean-up initiatives, assisting in building a new student area, planting a garden, and establishing a recycling program. Some of these programs take place before school while others take place after school. Students will be notified of when their group is meeting to complete their school service projects.

- Community Service, grades 7-8—10 hours per year
- Community Service, grades 9-12—20 hours per year
- School Service, grades 7-12—two times after or before school per year

## COLLEGE ADMISSION REQUIREMENTS

The school's criteria for graduation (college preparatory diploma program) meet or exceed the requirements for admissions to universities and colleges in the United States to which Wesley College Preparatory School students typically apply, including those for admission to University of California (UC) system schools. Students are guided by their counselors to ensure that all requirements will be met, not only for the UC system but for any college or university to which a student seeks admission.

## ADDITIONAL COURSES AND ACTIVITIES

Courses are available beyond the requirements listed above, and students are encouraged to participate in clubs and other activities.

Students who wish to take multiple Honors or Advanced Placement (AP) courses must carefully consider their total work commitments. Students who elect to enroll in AP courses must take the AP examination in that subject.



Note that students are required to adhere to the following AP maximums: no more than two (2) AP courses during the sophomore year, three (3) AP courses during junior year, and four (4) AP courses during senior year. Students may elect to take additional AP courses during summer school.

## Junior High School Diploma

For clarity purposes, the requirements for completing a junior high school diploma (grades 7 & 8) and qualifying for high school entrance are listed below.

### Course Requirements

- English—two years
- History and Social Studies—two years
- Mathematics—two years
- Science—two years
- World Languages—not required but recommended (can count as a CPE)
- Visual or Performing Arts—one year
- \*Bible—two years
- College Preparatory Electives—one year
- Physical Education or Sports—two years

*\*The Bible requirement may be partially waived for students who attended a non-religious school prior to attending Wesley College Preparatory School. Students must complete a Bible course for each year they attend WCPS.*

### Service Requirements

- Community Service, grades 7-8—10 hours per year
- School Service, grades 7-8—two times after or before school per year

## Wesley College Preparatory High School Diploma

It is assumed that all students at Wesley College Preparatory School desire to attend college. As such, all students are automatically enrolled in the college preparatory high school diploma track. This track is meant to have each student who completes it qualify for college admissions to the school of their choice. The following outlines the requirements for the college preparatory high school diploma and only refers to courses taken in grades 9–12.

### Course Requirements

- English—four years
- History and Social Studies—three years
- Mathematics—three years (4 years strongly recommended)
- Science—three years of laboratory sciences (4 years strongly recommended)
- \*World Languages—the completion of study of one language through level II but level III is strongly recommended; or two languages both through level II
- \*\*Bible—four years
- Visual or Performing Arts, grades 9, 10, 11, or 12—one full-year course or two semester courses
- College Preparatory Electives, grades 9–12—six semesters
- Physical Education or Sports—four semesters of PE or four seasons of sports or a combination thereof
- Health—one semester

*\*Wesley College Preparatory School offers a language waiver to students in two categories. The first is for students who have educational testing that reveals a specific language-based learning disability and have demonstrated difficulty in second-language acquisition. Students or families that have had testing that they believe may qualify a student for this waiver must contact the school's counselor. The second category is for students who are already fluent in another language and have had most, if not all, of their previous educational experience in another language. This will primarily apply to international students or students who have attended a full immersion program. The counselor will determine if the waiver is granted for either of these two situations.*

*\*\*The Bible requirement may be partially waived for students who attended a non-religious school prior to attending Wesley College Preparatory School. Students must complete a Bible course for each year they attend WCPS.*

### Service Requirements

- Community Service, grades 9–12—20 hours per year
- School Service, grades 9–12—two times after or before school per year

## General High School Diploma

For students who are not interested in attending a four-year college or university in the United States, the general high school diploma track may be the ideal path for you. The following outlines the requirements for the general high school diploma and only refers to courses taken in grades 9–12.

### Course Requirements

- English—three years
- History and Social Studies—three years
- Mathematics—two years (must include Algebra I or higher)
- Science—two years of laboratory sciences (must include Biology)
- \*World Languages or Visual or Performing Arts—one year or the same course
- \*\*Bible—four years
- College Preparatory Electives, grades 9–12—six semesters
- Physical Education or Sports—four semesters of PE or four seasons of sports or a combination thereof
- Health—one semester

*\*World Languages waivers are not available for the general diploma track as this requirement can be fulfilled by completing a visual or performing arts course.*

*\*\*The Bible requirement may be partially waived for students who attended a non-religious school prior to attending Wesley College Preparatory School. Students must complete a Bible course for each year they attend WCPS.*

### Service Requirements

- Community Service, grades 9–12—20 hours per year
- School Service, grades 9–12—two times after or before school per year

## University of California Entrance Requirements

- ❖ *To satisfy the Subject Requirement, students must complete the high school courses listed with a grade point average of 3.0 or above.*
- ❖ *SAT with Essay or ACT with Writing required.*
- ☐ This sequence of courses is also known as the “A–G” subject requirements. Students must complete 11 of the University of California’s 15 required college preparatory courses by the end of their junior year in high school.
- ☐ All academic courses listed under the “A–G” requirements must be passed with a grade of “C–” or higher to meet the UC entrance requirements.
- ☐ Repeats of courses in which the student earned a “C–” or better will not be counted in the grade point calculation.

### A–G Minimum Subject Requirements:

- A. History/Social Science  
Two years required including one year of World History plus one year of U.S. History or one semester of U.S. History and one semester of American Government.
- B. English  
Four years required of college preparatory English composition/literature including no more than one year of Advanced ESL/ELD.
- C. Mathematics  
Three years required (four years recommended) including first year Algebra, Geometry, and Algebra II. Mathematics courses taken in seventh and eighth grade may be used to fulfill part of this requirement if the high school accepts as equivalent to its own courses.
- D. Laboratory Science  
Two years required (three years recommended) including Biology, Chemistry, and Physics.
- E. Language Other Than English  
Two years required (three years recommended) of the same language other than English.
- F. Visual and Performing Arts  
One year required of Art, Music, Dance, or Drama (must see approved list).
- G. College Preparatory Elective  
In addition to the requirements above, one year long course is required from any area on the approved “A–G” course list.

## Private Colleges and Universities Admission Requirements

- ❖ Graduation from an accredited high school.
- ❖ Subject Requirements: Most colleges usually require 15 or 16 units of study from an accredited high school, not including Physical Education.
- ❖ Entrance requirements vary widely among private universities. Check individual college websites for precise requirement information. Please also speak with your counselor to find out each college's information.
- ❖ Another factor in the selection process is college testing. The SAT with Essay or ACT with Writing exam is required by most private schools; however, refer to the individual college website or speak with your counselor for updated information.
- ❖ Most private schools may require at least two SAT subject exams.
- ❖ A personal interview is sometimes required as part of the application process for some prestigious schools.

*The courses of study are generally as follows:*

- A. English – 4 years
- B. Mathematics – 2 to 4 years
- C. Social Science – 1 to 3 years
- D. Laboratory Science – 1 to 4 years
- E. Foreign Language – 0 to 4 years
- F. Other units to fulfill minimal requirement

## California State University Admission Requirements

- ❖ Admission Offices at the 23 campuses use three factors to determine eligibility. Most applicants who are admitted need to meet the standards in each of the following areas:
  - Specific high school courses (referred to as the “A–G” courses)
  - Grades in “A–G” courses and SAT/ACT Tests Scores.
  - Graduation from high school.
- ❖ Many CSU campuses have higher standards for particular majors or for students who live outside of the local admission area. Because of the number of students who apply, several campuses have higher standards and supplementary admission criteria for all applicants. Please speak with your counselor for more information.
- ❖ Language Waiver: If a student can demonstrate competency in a language other than English that is equivalent to or higher than that expected of students who have completed two years of language other than English study, students may be allowed a waiver for this language requirement. Please contact the CSU campus or speak with your counselor for more information.
- ❖ Please note that California residents receive priority over non-Californian residents whenever admissionspace is limited.

### A–G Minimum Subject Requirements:

- A. History/Social Science  
Two years required including one year of World History plus one year of U.S. History or one semester of U.S. History and one semester of American Government.
- B. English  
Four years required of college preparatory English composition/literature required including no more than one year of Advanced ESL/ELD.
- C. Mathematics  
Three years required (four years recommended) including first year Algebra, Geometry, and Algebra II. Mathematics courses taken in seventh and eighth grade may be used to fulfill part of this requirement if the high school accepts as equivalent to its own courses.
- D. Laboratory Science  
Two years required (three years recommended) of Biology, Chemistry, and Physics.

- E. Language Other Than English  
Two years required (three years recommended) of the same language other than English.
- F. Visual and Performing Arts  
One year required of Art, Music, Dance, or Drama (must see approved list).
- G. College Preparatory Elective  
In addition to the requirements above, one year long course is required from any area on the approved "A-G" course list.



## 7<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 7
- *History and Social Studies*—Geography
- *Mathematics*—Placement is determined by the department
- *Science*—Science 7
- Bible—Bible 7
- *Performing or Visual Arts*—At least one year taken in either seventh or eighth grade
- *Physical Education*—Physical Education 7
- *World Languages*—Not required but recommended to begin before high school. Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online.

#### Service

- *Campus Service*—Two times after school
- *Community Service*—Ten outreach hours

## 8<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 8
- *History and Social Studies*—U.S. History 8
- *Mathematics*—Placement is determined by the department
- *Science*—Science 8
- Bible—Bible 8
- *Performing or Visual Arts*—At least one year taken in either seventh or eighth grade
- *Physical Education*—Physical Education 8
- *World Languages*—Not required but recommended to begin before high school. Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online.

#### Service

- *Campus Service*—Two times after school
- *Community Service*—Ten outreach hours

## 9<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 9
- *History and Social Studies*—World History (may be taken in the 10<sup>th</sup> grade)
- *Mathematics*—Placement is determined by the department
- *Science*—Physical Science or Biology
- *World Languages*— Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online. In most cases, students continue to study the language chosen in junior high, but have the option to add a second language if they intend to fulfill the World Languages requirement by studying two languages through level two.
- *Bible*—Bible 9
- *Visual or Performing Arts*—one full year during grades 9–12.
- *Physical Education*—four semesters of Physical Education credit earned while in grades 9–12; two semesters in grade 9 strongly recommended. Students in ninth grade can earn credit by taking Physical Education 9 and/or a Dance class and/or by participating on a sports team (see the Athletics section for a complete description of the program options).
- *College Preparatory Electives*—six semesters of College Preparatory Electives credit while in grades 9–12.

#### Service

*Community Service*—Twenty outreach hours

*School Service*—Two times after school

## 10<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 10 (World Literature)
- *History and Social Studies*—World History (may be taken in the 9<sup>th</sup> grade)
- *Mathematics*—Placement is determined by the department
- *Science*—Biology or Chemistry
- *World Languages*— Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online. In most cases, students continue to study the language chosen in junior high, but have the option to add a second language if they intend to fulfill the World Languages requirement by studying two languages through level two.
- *Bible*—Bible 10
- *Visual or Performing Arts*—one full year during grades 9–12.
- *Physical Education*—four semesters of Physical Education credit earned while in grades 9–12. Students in tenth grade can earn credit by taking Physical Education 10 and/or a Dance class and/or by participating on a sports team (see the Athletics section for a complete description of the program options).
- *College Preparatory Electives*—six semesters of College Preparatory Electives credit while in grades 9–12; two semesters in grade 10 are strongly recommended.

#### Service

- *Community Service*—Twenty outreach hours
- *School Service*—Two times after school

## 11<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 11 (American Literature)
- *History and Social Studies*—U.S. History
- *Mathematics*—Placement is determined by the department
- *Science*—Chemistry or Physics
- *World Languages*—Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online.
- *Bible*—Bible 11
- *Visual or Performing Arts*—one full year during grades 9–12.
- *Physical Education*—four semesters of Physical Education credit earned while in grades 9–12. Students in eleventh grade can earn credit by taking Physical Education 11 and/or a Dance class and/or by participating on a sports team (see the Athletics section for a complete description of the program options).
- *College Preparatory Electives*—six semesters of College Preparatory Electives credit while in grades 9–12; two semesters in grade 11 are strongly recommended.

#### Service

- *Community Service*—Twenty outreach hours
- *School Service*—Two times after school

## 12<sup>th</sup> Grade At A Glance

### REQUIREMENTS

#### Courses

- *English*—English 12 (British Literature)
- *History and Social Studies*—U.S. Government & Economics
- *Mathematics*—Placement is determined by the department
- *Science*—Physics or Science Elective
- *World Languages*—Courses available include Spanish, French, German, Latin, and Chinese. Please note that some courses may only be available online.
- *Bible*—Bible 12
- *Visual or Performing Arts*—one full year during grades 9–12.
- *Physical Education*—four semesters of Physical Education credit earned while in grades 9–12. Students in twelfth grade can earn credit by taking Physical Education 12 and/or a Dance class and/or by participating on a sports team (see the Athletics section for a complete description of the program options).
- *Health*—one semester; students may take this course at any time during grades 9–12.
- *College Preparatory Electives*—six semesters of College Preparatory Electives credit while in grades 9–12; two semesters or more in grade 12 are strongly recommended.

#### Service

- *Community Service*—Twenty outreach hours
- *School Service*—Two times after school

General Course List for 2021-2022

*Social Studies*

Economics  
Geography  
U.S. Government  
U.S. History 8  
U.S. History 11  
World History  
AP Human Geography  
AP U.S. Government & Politics  
AP U.S. History  
AP World History

*Mathematics*

Algebra I  
Algebra II  
Calculus  
Geometry  
Precalculus/Trigonometry  
AP Statistics  
AP Calculus AB  
AP Calculus BC  
AP Computer Science A

*World Languages*

Chinese 1  
Chinese 2  
French 1  
French 2  
German 1  
German 2  
Latin 1  
Latin 2  
Spanish 1  
Spanish 2  
Spanish 3

*English*

English 7  
English 8  
English 9  
English 10  
English 11  
English 12  
AP English Language & Composition  
AP English Literature &  
Composition

*Science* Biology Chemistry

Physical Science  
Physics  
Science 7  
Science 8  
AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics 1

*World Languages Continued*

Spanish 4  
AP French Language & Culture  
AP Spanish Language & Culture  
AP Chinese Language & Culture

*Bible*

Bible 7  
Bible 8  
Bible 9 (UC approved)  
Bible 10 (UC approved)  
Bible 11 (UC approved)  
Bible 12 (UC approved)

*Physical Education*

Health

PE 7

PE 8

PE 9

PE 10

PE 11

PE 12

*Visual & Performing Arts*

2-D Art

Art Appreciation

Dance

Digital Arts 1

Digital Arts 2

Theater Arts

AP Art & Studio Arts

*College Preparatory Electives*

2D Animation

3D Art 1—Modeling

Achieving Your Career and College Goal

Advertising and Sale Promotion

Anatomy & Physiology

AP Macroeconomics

AP Microeconomics

AP Psychology

Archeology

Art in World Cultures

Astronomy

Audio Engineering

C++ Programming

Computer Science

Creative Writing

Criminology

Digital Photography

Earth Science

Engineering Design

Environmental Science

Fashion and Interior Design

Forensic Science

Game Design 1

Game Design 2

Gothic Literature

History of the Holocaust

International Business

Journalism

Marketing 1

Marketing 2

Microsoft Word 2016

Mythology and Folklore

Personal Finance

Psychology

Public Speaking

Python Programming

Sociology

Sports and Entertainment

Sports Medicine 1

Sports Medicine 2

Veterinary Science

Web Design

*Please note: Honors level courses are available for many of the above listed courses. Additional online courses are available than those listed above.*



## Course Description

### *Department of English*

#### English 7

This course has goals for the areas of reading, writing, speaking and listening, and language to make students able to read and write confidently in all subject areas. The students will continue to develop their research skills by drawing evidence from different texts that support their own writing.

#### English 8

This course will continue to develop students' reading, writing, speaking and listening skills. Students will be learning significant pieces of literature and begin practicing several styles of writing, hold meaningful discussions, practice grammar, and expand vocabulary.

#### English 9

This freshman level course is designed based on state standards in literature integrated with conventions of language taught in context and through supplementary texts and resources. The students are exposed to a wide range of classical and modern literature in all genres. All literature will be discussed through students' individual understanding and related to their own lives and others.

#### English 10

This sophomore level course extends the issues, values taught in English 9. Students will enhance their interpretive skills and will learn to relate the meanings inherent in literature to themselves, as well as others. This course will also challenge students to enlarge their views of a culturally diverse world.

#### English 11

This junior level course continues to extend the issues, values taught in both English 9 and 10. It will mainly focus on historical context which examines the diverse and changing culture of the United States. Students will be exposed to a variety of literature in all genres. Students are also expected to perform critical thinking, analytical writing, formal and persuasive speaking in this course.

#### English 12

This senior level course focuses on both expository writing in several genres, and literature reading in all content areas. Students will be exposed to literature as an integral part of the human experience of a time period. Students will also learn how art and literature related to each other and the world they live in today.

### Creative Writing

Students create original essays, poems, and short stories in this course, which focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast. The teacher supplies feedback that helps students learn how to improve their self-expression and self-editing skills.

### AP Language and Composition

This course will prepare 11th grade students for the Advanced Placement English Language and Composition Exam as well as college level thinking, reading and writing. Students are expected to become skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts. They will write different types of essays including rhetorical analysis, synthesis essays and argumentative essays. Students may take this course in the 12th grade with permission from the counseling department.

### AP Literature and Composition

This course will prepare 12th grade students for the Advanced Placement English Literature and Composition Exam as well as preparing them for college level thinking, reading and writing. Students will read and analyze selected American, British novels, plays and poetry. Students are expected to write in depth analysis and orally present their works. Substantial and intensive readings and writings are required. Students may take this course in the 11th grade with permission from the counseling department.

## Bible Studies

### Bible 7

Students are introduced to Christianity and examine the major themes and stories of the Old Testament of the Christian Bible. Schoolwide service projects are completed through this Bible course. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

### Bible 8

This course builds upon the previous course in that students continue to explore the major themes and stories of the New Testament of the Christian Bible. Schoolwide service projects are completed through this Bible course. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

### Bible 9

This course is an introduction to Biblical literature with an emphasis on the canonical New Testament Gospels in their literary, sociological, historical, and religious contexts. In addition to interpreting Matthew, Mark, Luke, and John for narrative meaning, the course will also address the contributions these books make to the historical development of the Christian faith as well as diverse sectarian responses. Through the course, students will analyze the Sermon on the Mount, the parables of Jesus Christ, the Lord's Prayer, and the passion narratives of Jesus Christ as reactions and responses to Roman imperialism and occupation. This course prepares students to engage in interpretative practices with the frameworks and vocabulary necessary for upper level literary, historical, and religious studies. Students will understand and articulate the importance of the canonical New Testament Gospels in historical and modern Christian teachings and practices as well as their cultural contributions to modern history, literature, and politics. Schoolwide service projects are completed through this Bible course. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

### Bible 10

The primary goal of this course is for students to acquire appropriate frameworks for engaging theological questions through the vehicle of literary analysis. Students will examine a variety of organizational structures in composing non-fiction writing and mastering skills of matching purpose and structure. From cause/effect to comparison/contrast, students will collect a variety of organizational tools from which they can draw when composing their own written responses to various writing prompts. Through writing, students will synthesize multiple sources and genre of information to provide historical, biographical, and theological analyses of diverse texts. Students explore the quest for orthodoxy, Christian history and the Eastern church, modernism and orthodoxy, postmodernism and orthodoxy, as well as denominational difference and church unity. Schoolwide service projects are completed through this Bible courses. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

### Bible 11

This course focuses on the New Testament of the Christian Bible, as well as foundational and seminal works in Christianity. Students explore Christian philosophy and theology through examining the Euthyphro dilemma, epistemology, philosophical theology, consciousness, determinism, compatibilism, Libertarian free will, determining what is evil, as well as ethics. Throughout the course each student will develop a framework within which to reflect upon his or her own philosophy of life and be better prepared to engage in critical thinking and philosophical discussions with others. Schoolwide service projects are completed through this Bible course. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

### Bible 12

This course is an analysis of major world religions (Hinduism, Buddhism, Islam, Judaism, and Christianity) from a Christian perspective. Students explore the diversity of ideas stemming from the major theological tenets and practices of religions around the world in order to develop a deeper appreciation for the diversity and commonality of religious life in groups, cultures, and historical time periods. Readings include selections from the Christian Bible, the Tanakh, the Quran, the Baghidavita, historical texts, and

seminal theological works. Schoolwide service projects are completed through this Bible course. Students are also required to submit their yearly community service hours proof/records to their Bible teacher.

## *Department of History and Social Sciences*

### Geography

This junior high course is an introduction to students about the physical elements of the earth, with the emphasis on the nature, distribution, and relationships of land, climate, soils, vegetation, and their integrated patterns of world distribution.

### US History 8

This course is specifically designed to introduce junior high students from the beginning of the American continents and European colonization to the Reconstruction Era. Students will be briefly exposed to different eras in history and present the era with their creativity.

### World History

This course is designed for 9th and 10th grade students to explore the development of the modern countries in Europe, North America, Middle East, Asia, Africa and Latin America. Students will be exposed to the historical context in different periods and are expected to analyze the events related to their lives today.

### AP World History

This course will prepare students in the college level World History course. Students will have accelerated coverage and handling of the regular World History knowledge. There will be heavy emphasis on critical thinking, speaking, researching and writing. Students should not take this course unless they have already completed the standard or Honors World History first. Students should also be concurrently enrolled in an honors-level English course.

### US History

This course is designed for 11th grade students. Students will review the material from the 17th century to the 20th century with major topics in the beginning. The time period will shift to the decades of the 1920s and onward to present day history. Students will develop critical reading skills and analyze their thoughts with primary and secondary sources.

### AP US History

This course will prepare students in college level of US History studying. Students will be exposed to a variety of intensive reading and historical context. Students must be able to write and communicate in clear, and in-depth analysis of major historical events. It examines knowledge from nine historical time periods, 1491 to present. Students should not take this course unless they have completed an honors-level social studies course or English course. Students should also be concurrently enrolled in either AP English Language or Honors English 11.

## Government

This course is a study of basic constitutional principles of the United States government by investigating and exploring the rights and responsibilities of an individual living in the U.S. today. The course also introduces the function of political parties, elections and political candidates and other rule makings.

## AP US Government and Politics

This course is a preparation for students to study the college level American political system and government structure. Students will make in depth analysis on executive power, legislative decision making and constitutional importance of the judiciary. Students will also examine current events and their connections to the government structure. Students should not take this course unless they have completed AP US History. Concurrent enrollment in AP English Literature or Honors English 12 is required.

## Economics

This course begins to introduce students with the basic economic concepts such as scarcity, opportunity cost and the economic system. The course will also encounter microeconomics and macroeconomics concepts and make connections in society's past and current events.

## AP Macroeconomics

This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP exam.

## AP Microeconomics

This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP exam.

### Psychology

This course is designed for students to investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives. Units include Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

### AP Psychology

This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP exam.

### Sociology

This course is designed for students to understand people's beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

### AP Human Geography

This course is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Students must have completed AP social studies course and passed the corresponding AP exam in order to qualify for enrollment in this course.



## *Department of Mathematics*

### Algebra 1

This course challenges students to develop transitional first year algebra skills and apply them to complex problems. Students will begin to learn at an accelerated pace and think critically in different problem-solving strategies. Students are expected to become proficient in the mechanics of a given topic and, in its application, to word problems.

### Geometry

This course combines the uses of basic algebra skills and applies it to geometry concepts. Topics include congruent triangles, parallel lines, quadrilaterals and other polygons, the Pythagorean theorem, similar figures, circles, area, volume, coordinate geometry, an introduction to right-triangle trigonometry, and constructions. Students develop deductive reasoning skills through the use of proofs. Computer and/or other hands-on laboratory activities may be used to explore and discover geometric concepts.

### Algebra 2

This course provides a study of second-year algebra with greater breadth, depth, and rigor than Algebra II with Analysis. Topics include polynomial equations and inequalities; functions and their inverses; linear, quadratic, polynomial, and rational functions and their graphs; logarithmic and exponential functions; sequences and series; conics; and systems of equations, including matrix solutions. Graphing calculators are used to reinforce students' understanding of concepts.

### Precalculus

This course is open to students with exceptional algebra and geometry skills who show creativity in solving problems, enjoy mathematics, and are interested in exploring the subject in depth. Students study polynomial, rational, exponential, logarithmic, and trigonometric functions. Other topics include De Moivre's theorem, sequences and series, analytic geometry, conic sections, parametric and polar equations, and matrices and determinants. Graphing calculators help extend each student's ability to explore and to do more interesting and difficult problems.

### AP Calculus AB

This course is designed to prepare students for the college level Calculus class. Topics include the algebra of functions and advanced graphing techniques, limits and continuity, the derivative and its applications, techniques of differentiation for the elementary functions, area under a curve, integrals and their applications, and the fundamental theorem of calculus. Concepts are presented on an intuitive level without rigorous proof. A graphing calculator is used throughout the year.

### AP Calculus BC

This course prepares students with an in-depth understanding of college level Calculus class. Topics include the precise definition of limits and continuity, the derivative, techniques of differentiation for the elementary functions, application of the derivative, area under a curve, integrals and the fundamental theorem, numerical methods of integration, integration techniques and applications, analysis of parametric and polar curves, improper integrals, vector-valued functions, infinite series, and elementary differential equations. Students must know the language of functions and be familiar with the properties, algebra, and graphs of functions.

### AP Statistics

This course is designed to prepare students for the college level Statistics course as well as the Advanced Placement in May. Students are introduced to major concepts of statistics and probability. Topics include the representation of data using graphing techniques and numerical summaries; the collection of data including sampling and experimentation; exploring random phenomena using probability and simulation, making statistical inferences. Students will be involved in interpreting real world events using statistical methods and critical skills.

### AP Computer Science A

This course introduces students to the principles of computer science. Students learn the guiding principles of object-oriented software design and programming in Java. They apply concepts such as abstraction, encapsulation, inheritance, and arrays to solve problems. Students are assigned laboratory exercises to develop their ability to create solutions to problems in realistic situations.

## *Department of Science*

### Science 7

This course is an introduction to the 7th grade student mainly focuses on life sciences with additional discussions of scientific inquiry and energy. Students will have the opportunity to design an effective experiment and start using the scientific method to answer questions related to people's lives.

### Science 8

This course is more in-depth discussion of the previous 7th grade science. This course offers a more in depth look at physical sciences, such as chemistry, physics, and astronomy. The students will review the nature of science and the steps of the scientific method.

### Biology

This course is a laboratory-based overview of the fundamentals of biology. Students will combine their laboratory skills and terminology knowledge as they continue to collect and analyze data. Students gain proficiency with a microscope and are introduced to techniques of dissecting specimens and performing physiological experiments. The course helps students make informed decisions regarding the biological issues that society faces.

### AP Biology

This course is a rigorous and deep examination of biology to prepare students to take the Advanced Placement Biology exam. Subject matter will focus on biochemistry, cellular biology, cell and molecular genetics, evolution, heredity, diversity of life, ecology and the structure and function of plants and animals. This class is designed to parallel freshman biology courses at the college level in its scope.

### Chemistry

This course is designed for the college prep student. Subject areas to be studied are those outlined by the California State Content Standards for Chemistry. They include atomic and molecular structure, including bonding; properties of matter, including characteristics of gases, acids, bases and solutions; laws of nature; energy; chemical reactions; and the mathematical understanding of chemical processes. Extensive use of mathematics is used. Labs are required and projects may be included.

### AP Chemistry

This course is designed for those students who would like to apply for AP Chemistry following the completion of biology and chemistry. Students will study the topics outlined in regular Chemistry in greater depth and with more extensive use of mathematics. In addition, students will study nomenclature, chemical reaction rates and nuclear chemistry. Labs will be more in depth and require more analysis. Students must have completed AP Biology or Honors Biology before enrolling in this course. It is recommended that students have completed Algebra II or higher before enrolling in this advanced course.

### Physical Science

This introductory course investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. The class also incorporates topics concerning the physical processes on earth, and the motions, characteristics, and forces in space.

### Physics

This college prep course includes a study of the fundamental concepts of vectors, motion, force, energy, power, and their measurements. Students will also study optics, electricity, magnetism, and the theories used to explain them. Laws of natural processes are studied and extensive use of mathematical functions, which describe them, are included. Students will develop projects and build them at home to demonstrate major physics concepts.

### AP Physics 1

This course will prepare students to pass the Advanced Placement Physics 1 exam. The course is the equivalent of a first semester college course in algebra-based (non-calculus based) physics. It covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. It's intended to provide a strong foundation for students in the life sciences, pre-medicine and applied sciences. It is recommended that students have completed another AP science course and Algebra II or higher before enrolling in this course.

### Anatomy & Physiology

This course introduces the basics required for the study of the human body and how it functions. Students will receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations as well as an overall review of human development and body processes. This course also includes Infection Control and Standard Precautions, which emphasizes the importance of maintaining health and safety in the health care work environment as well as highlights the latest practices and protocols.

### Earth Science

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

### Environmental Science

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

### AP Environmental Science

This course is designed to prepare students for the college level Environmental Science course. It provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

## *Department of Foreign Languages*

### Chinese 1 (Mandarin)

This course is the beginning class for students to learn Chinese. It focuses upon the building of a basic vocabulary and using these words correctly in oral and written expression. Emphasis is placed upon using the language in class in order to develop skills in speaking, listening, reading and writing. Simple stories and dialogues are read to reinforce vocabulary and to introduce students to the culture. Students will have an opportunity to travel abroad and participate in the Peking University's Chinese Program.

### Chinese 2 (Mandarin)

This course is the second-year class for students to enhance their Chinese learning. It is designed to develop progressive ability in reading, writing, speaking and understanding the target language. Emphasis will be on fluency in conversation, development of discussion skills, word study, and reading of literary works for meaning and comprehension. Students will have an opportunity to travel abroad and participate in the Peking University's Chinese Program.

### AP Chinese Language and Culture

This course prepares students for the AP Chinese Language and Culture exam, it is rigorous and proceeds at a fast pace. Vocabulary and grammar are reviewed, and proficiency in listening, reading, speaking, and writing in Chinese is achieved. Skills are practiced in interpretive, interpersonal, and presentational modes. Chinese cultural events also are reviewed. Students will have an opportunity to travel abroad and participate in the Peking University's Chinese Program.

### French 1

This course is the beginning class for students to learn French. It focuses upon the building of a basic vocabulary and using these words correctly in oral and written expression. Emphasis is placed upon using the language in class in order to develop skills in speaking, listening, reading and writing. Students will learn to communicate with each other and carry-on simple conversations.

### French 2

This course is the second-year class for students to enhance their French learning. It focuses upon increasing usage of the oral and written language, enabling students to understand more complicated aspects of the target language. Emphasis is placed upon using the language in class by both the teacher and the students in order to expand skills in speaking, listening, reading and writing.

### AP French Language and Culture

This course prepares students for the AP French Language and Culture exam, it is rigorous and proceeds at a fast pace. Vocabulary and grammar are reviewed, and proficiency in listening, reading, speaking, and writing in French is achieved. Skills are practiced in interpretive, interpersonal, and presentational modes. French cultural events also are reviewed.

### Spanish 1

This course is the beginning class for students to learn Spanish. It focuses upon the building of a basic vocabulary and using these words correctly in oral and written expression. Emphasis is placed upon using the language in class in order to develop skills in speaking, listening, reading and writing. Students will learn to communicate with each other and carry-on simple conversations.

### Spanish 2

This course is the second year Spanish class which focuses upon increasing usage of the oral and written language, enabling students to understand more complicated aspects of the target language. Stories, short books and authentic works of literature are read to reinforce vocabulary, grammar and idiomatic expressions and to introduce students to more subtle aspects of the culture. Students will communicate with each other in longer and more sustained conversations, as well as in making presentations to the class.

### Spanish 3

This course is designed for students entering the third level of Spanish learning. It is designed to develop progressive ability in reading, writing, speaking and understanding the target language. Emphasis will be on fluency in conversation, development of discussion skills, word study, and reading of literary works for meaning and comprehension. Works of authors will be read and critically analyzed, and students will learn the culture and customs of the people through reading and class discussions.

### AP Spanish Language and Culture

This course prepares students for the AP Spanish Language and Culture exam, it is rigorous and proceeds at a fast pace. Vocabulary and grammar are reviewed, and proficiency in listening, reading, speaking, and writing in Spanish is achieved. Skills are practiced in interpretive, interpersonal, and presentational modes. Spanish cultural events also are reviewed.

### Latin 1

This course is the beginning class for students to learn Latin. It is an intensive course for students with no previous world-language experience and students who want to start a new language is designed to give a solid introduction to the Latin language and Roman culture.

### Latin 2

This course is designed to prepare students to improve their reading and analytical skills by progressing toward original Latin texts. Vocabulary skills are improved with emphasis on derivational morphology. Advanced grammatical concepts are covered in detail. Cultural projects cover Roman politics and literature, preparing students to read the texts assigned in more advanced courses.

### German 1

This course is the beginning class for students to learn German. It focuses upon the building of a basic vocabulary and using these words correctly in oral and written expression. Emphasis is placed upon using the language in class in order to develop skills in speaking, listening, reading and writing. Students will learn to communicate with each other and carry-on simple conversations.

### German 2

This course is the second year German class which focuses upon increasing usage of the oral and written language, enabling students to understand more complicated aspects of the target language. Stories, short books and authentic works of literature are read to reinforce vocabulary, grammar and idiomatic expressions and to introduce students to more subtle aspects of the culture. Students will communicate with each other in longer and more sustained conversations, as well as in making presentations to the class.



## *Department of Physical Education*

### PE 7

This course introduces students to individual sports, team sports, fitness, and aquatics. The program challenges students to raise their fitness levels and develop motor and leadership skills, good character, and a positive self-image. Students rotate through activities of varying intensity and are assigned to one of two tracks.

### PE 8

This course continues to develop the knowledge and skills introduced in Physical Education 7. Students have the opportunity to sign up for the sports-performance track designed to prepare middle school athletes for high school sports. The fitness track continues to teach students to develop lifelong habits and build character through teamwork, communication, and cooperation while playing sports.

### Health

This course is a class exploring general aspects of the health sciences. Students will develop an understanding of basic knowledge and specific skills upon which to build healthy behaviors. Health instruction provides the students with learning experiences to empower them to engage in and value the importance of healthy lifelong practices. Topics include nutrition, fitness, mental health, communicable diseases, CPR, first aid, alcohol, tobacco, drug.

### PE 9

This course is designed to introduce students to a healthier lifestyle. The class is for ninth grade students and is intended to promote physiological, psychological, and sociological growth, awareness, and development in each individual. This is accomplished through a wide variety of individual and team activities. Students will also take part in classroom and laboratory activities relating to lifelong fitness.

### PE10

This course provides the opportunity for students to participate in a variety of activities. These activities may include badminton, basketball, fitness, football, soccer, softball, team handball, ultimate Frisbee, volleyball, weight training, and others deemed appropriate by the Physical Education department.

### PE 11 & 12

This course is meant for older students or those who have participated in team sports throughout high school. Building upon the fundamentals of movement, healthy living, and sports, this course aims to further develop students' awareness of themselves and the community around them.

## *Department of Visual & Performing Arts*

### 2D Animation

This course is designed for students to learn to create movement in a two-dimensional artistic space. They learn to conceptualize and bring their animation dreams to life using a variety of software and design programs. During the course, students design, define, and complete a variety of digital design projects, including creating their own website. Learning about 2D Animation could be a first step toward a career in technology and animation.

### 3D Art 1—Modeling

This course provides a good introduction to the fast-growing fields of technology and design, including virtual reality, video game design, marketing, television and motion pictures, and digital imaging. In 3D Modeling, students gain a deeper understanding of graphic design and illustration as they use 3D animation software to create virtual three-dimensional design projects. The course helps students develop the drawing, photography, and 3D construction skills needed to navigate within a 3D digital modeling workspace while rendering 3D models.

### Art Appreciation

This course is an art survey course designed to increase knowledge and appreciation of the visual arts. Students focus on interpreting and evaluating works of art within formal, cultural, and historical contexts, as well as exploring a survey view of art history from prehistoric to contemporary, including a deeper look at global artworks. Students will also participate in a variety of art applications to experience and better understand the process of creating art.

### Dance

This course is designed to take previously learned movement concepts to the learning and development of the motor skills required for successful participation in dance activities. Students will be exposed to a variety of dance techniques and fundamentals in such areas as Ballet, Jazz, Hip Hop, and Contemporary; that will help improve or maintain personal levels of health-related physical fitness and develop physical and artistic awareness.

### Digital Arts 1

This course provides students to learn the elements and principles of design as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. Students explore career opportunities in the design, production, display, and presentation of

digital artwork. Students will also respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

### Digital Arts 2

This course is the second-year course for students to continue to build on the skills and concepts they learned in Digital Arts I as they develop their vocabulary of digital design elements. By the end of the course, they have created a collection of digital art projects for their digital design portfolio.

### Digital Photography

This course is one-semester in which students will learn the basics of photographic composition and lighting and develop an understanding of using a digital camera and the basics of preparing a digital darkroom. Students will also learn basic color theory and the fundamentals of image processing. Software skills are taught through practical, hands-on activities that get students involved in the learning process and help them retain the content. This course is designed for students who have no background in photography to produce their own unique and highly personalized images.

### Theater Arts

This course teaches students the mechanics of acting. It provides opportunities to explore script analysis and performance techniques through a variety of scenes and monologues ranging from ancient Greek to contemporary stage and film literature. Memorization of monologues and scene work is required. The course culminates with a showcase.

### Fashion and Interior Design

This course is designed for students to try their hand at designing as they learn the basics of color and design, then test their skills through hands-on projects. In addition, they develop the essential communication skills that build success in any business. By the end of the course, students are well on their way to developing the portfolio needed to get started in this exciting field.

### Game Design 1

This course encourages students to use their creative and technical skills as they learn about the many aspects of designing games. The course explores different types of video game software and hardware, various gaming platforms, the technical skills necessary to design games, troubleshooting, internet safety techniques, and the history of gaming. Students also can create their own plan for a 2D video game. The course is designed to help prepare students either for post-secondary education in game design or for an entry level career.

### Game Design 2

This course is the advanced level for game design. Students have the opportunity to conceptualize, design, and create their own video game. They explore various video game software and hardware, sharpen their coding skills, and learn about game storylines, player progression, and algorithmic decision making. Students learn to analyze player goals, player actions, rewards, and challenges, among many other gameplay components. The course helps students develop 21st-century skills involving creativity, critical thinking, communication, collaboration, and technical expertise that will put them at the forefront of a future in technology.

### AP Studio Art: 2D Design

This course is designed to help students complete a portfolio of twenty-four pieces, applying design principles in a project-based setting to create solutions to problems in two dimensions. For the portfolio's Breadth section, the course features the use of multiple tools of production, including digital media, to create unique responses to twelve design problems. Students then declare an area of concentration and, during the second and third quarters, produce twelve pieces for the portfolio's Concentration section. The complete design portfolio is presented for AP Studio Art: 2-D Design portfolio assessment.

## *Department of Career-Focus Education*

### Achieving Your Career and College Goals

This course is designed for students to explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward 11th and 12th graders.

### Advertising and Sale Promotion

This course exposes students to methods and techniques businesses use to advertise their products and services. Topics include financing promotional activities, technical skills used by marketers, the components of an effective promotional mix, and personal selling techniques. In addition to key concepts of advertising, students take a closer look at careers in advertising, the skills needed to work in this industry, and the role of advertising in the twenty-first century. To apply the knowledge they have gained, students complete a capstone project in which they develop a promotional plan.

### Audio Engineering

This course is an introductory for students to learn about the physics of sound and the history of recording technologies. They learn about the four stages of professional music recording projects: recording, editing, mixing, and mastering. Using Audacity, an open-source recording and mixing program, they practice the techniques used by sound engineers to produce multitrack recordings. Through a series of engaging hands-on projects, they learn the fundamental concepts of audio engineering.

### Business and Healthcare Explorations

This course is designed as an exploration of two career clusters. Students will get an introduction to these fields so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of business and health care as well as career options in each area. In addition to studying concepts of entrepreneurship, accounting, and marketing, students explore these concepts on scales that range from a single person to nations. The second part of this course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases.

### C++ Programming

This course teaches students to use problem-solving skills involving full-code examples to demonstrate how and why to apply programming concepts while using C Plus Plus. Programming exercises strengthen student understanding of program design. Students will walk through the stages of Input, Output, Problem Analysis, and Algorithm Design to illustrate key concepts.

### Computer Science

This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students have a solid foundation for further study in this subject.

### Engineering Design

This course introduces engineering and the basics of CAD software: creating points, lines, other geometric forms, isometric drawings, and 3D models. Students learn how to translate initial concepts into functional designs and 3D walkthroughs, and explore career options in this hands-on, introductory-level course.

### International Business

This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view of business, investigating why and how companies go international, and how they are more interconnected. Students gain an understanding of how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are also explored. The course helps students cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in 21st-century business activities.

### Marketing 1

This course is designed for students to learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also see marketing as a career choice.

## Marketing 2

This course provides students the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also learn about marketing as a career choice.

## Microsoft Word with Certification Preparation

This course walks students through basic to advanced features by experimenting with document creation. Forms of documents created include research papers, business letters, resumes, letters and mailing labels. Students work through these hands-on projects to hone skills in formatting, page layout, macro creation, and a vast variety of commonly used word processing tools.

Microsoft Office is required for this course. There are two course version options – Microsoft Office 2013 OR Microsoft Office 2016/365. Office 2016/365 courses will be available by August 2016. If a client already has Microsoft Office 2013, they can use the 2013 course versions that require the Microsoft Office 2013 software. Otherwise, they should use 2016/365. Students can get an educational version for free at this link as long as they use a valid school email address: <https://products.office.com/en-us/student/office-in-education>

## Personal Finance

This course is an introductory finance course in which students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society.

## Python Programming

This course presents essential computer science topics, while also instructing on the Python programming language. Python is easy to learn and scales well to advanced applications. The course is engaging and brings relevance of the concepts and applications from the text to the real world. Hands-on labs teach students to write and run code in an Integrated Development Environment (IDE) from their web browser. A chatbot provides hints and feedback when students get stuck, which encourages persistence through on-demand assistance.

### Public Speaking

This course introduces students to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

### Sports and Entertainment Marketing

This course provides students the opportunity to explore basic marketing principles and delve deeper into the multibillion dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event, such as the Super Bowl, or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

### Sport Medicine 1

This course introduces students to essential skills in sports medicine including fitness assessment, conditioning, emergency preparedness, injury management, therapeutic modalities, nutrition, and ethical and legal considerations. Students explore careers in fitness instruction, athletic training, exercise physiology, sports management, and physical therapy.

### Sport Medicine 2

This course is the second semester of Sports Medicine. In this course, students continue their study of essential skills in Sports Medicine including fitness assessment, conditioning, emergency preparedness, injury management, therapeutic modalities, nutrition, and ethical and legal considerations. Students explore careers in fitness instruction, athletic training, exercise physiology, sports management, and physical therapy.

### Web Design

This course provides a comprehensive introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text as well as more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools.



## *College Preparatory Courses and Electives*

### Archeology

This course helps us better understand the events and societies of the past that have helped shape our modern world. It focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.

### Art in World Cultures

This course will help students to learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, how to critique art, and how to examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

### Astronomy

This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space.

### Criminology

This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors help shape the criminal case process?

### Forensic Science

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

### Gothic Literature

This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drivers produce a suspenseful environment for readers. Some of the recurring themes and elements found in the genre are also presented. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.

### History of the Holocaust

This course introduces to students about the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multidisciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and get glimpses of kindness and humanity in the worst of times.

### Journalism

This course introduces students to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.

### Mythology and Folklore

This course provides students to explore through the mighty heroes, angry gods and goddesses, cunning animals. Since the first people gathered around fires, mythology and folklore have been used to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters overcome those stronger than themselves. They explore the universality and social significance of myths and folklore and see how these are still used to shape society today.

### Veterinary Science

This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.