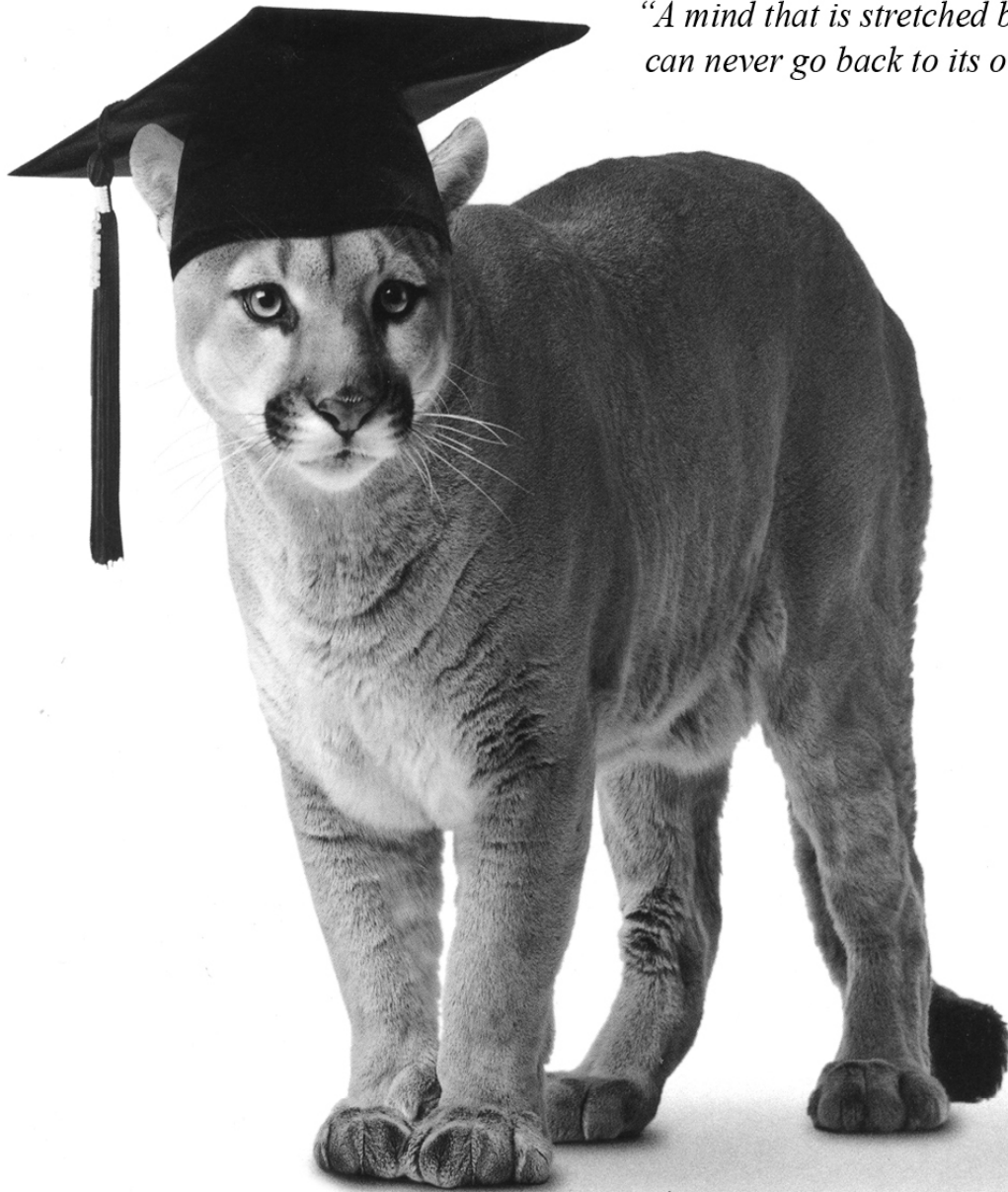


*"A mind that is stretched by a new experience  
can never go back to its old dimensions."*



**Quince Orchard High School**  
**ADVANCED STUDIES**  
*in Arts and Academics*  
**SIGNATURE PROGRAM**



## **The Quince Orchard High School**

### **Advanced Studies in Arts and Academics Signature Program**

*is designed to provide all students an opportunity  
to maximize their multiple intelligences and creativity  
and to value their uniqueness  
by allowing them to participate in a wide variety  
of Honors, advanced level and Advanced Placement courses.*

#### **Program Goals:**

- Increase the number of students who become involved in the Advanced Studies program, which includes honors, advanced level and Advanced Placement courses.
- Increase the number, range, and scope of honors and Advanced Placement course offerings.
- Heighten the academic rigor of the educational program of all students.
- Sustain and increase minority student representation in honors classes, beginning in the ninth grade.
- Increase the number of minority students who eventually will become involved in Advanced Placement courses.
- Raise the number of students submitting art portfolios for Advanced Placement consideration in the visual arts.
- Provide in-school and after-school support programs for students taking advanced courses.
- Provide teachers with professional development opportunities designed to enhance students' skills in critical and analytical thinking, math, and writing.
- Expose middle school students to the benefits of taking advanced courses in preparation for college.

#### **Signature Program Coordinator**

Mrs. Julie Newcomer

#### **Principal**

Mrs. Carole Working

# Rise to the Challenge!

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***“Take advantage of the link between participation in advanced courses and higher performance in all classes. By taking an honors level class, you surround yourself with students who are as serious as you are about their studies.”***

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Choose an area of interest, and register for courses that will lead you to an advanced level or AP course. Research shows that students who are involved in advanced programs at school are more focused, achieve at higher rates, and graduate with more skills. Notice documented prerequisites in the course bulletin and fit those into your schedule early, so that you can enjoy advanced levels during your junior and senior years. At Q.O., we offer the following most advanced coursework:

- **Art**

AP Studio Art, Advanced Photography, Advanced Ceramics, Advanced Digital Photography, AP Art History

- **Computer Science**

AP Computer Programming, Advanced Software Applications, Computer Networking, Web Design

- **English**

AP Language, AP Literature, Advanced Journalism

- **Family and Consumer Sciences**

Teaching Internship, ProStart I and II

- **Foreign Languages**

AP French, AP Spanish, AP Chinese

- **Math**

AP Calculus, AP Statistics

- **Music/Performance Arts**

Advanced Band, Advanced Orchestra, Advanced Chorus, AP Music Theory, Advanced Acting

- **Science**

AP Biology, AP Chemistry, AP Physics, AP Environmental Science

- **Social Studies**

AP European History, AP US History, AP Modern History, AP Economics, AP Psychology, AP Human Geography, AP US Government, AP Comparative Governments

***“I loved AP NSL. The class was really engaging. We had lots of discussions so you could really get your opinion out. It’s fun to argue about topics that relate to our government.”***

- class of 2010 graduate

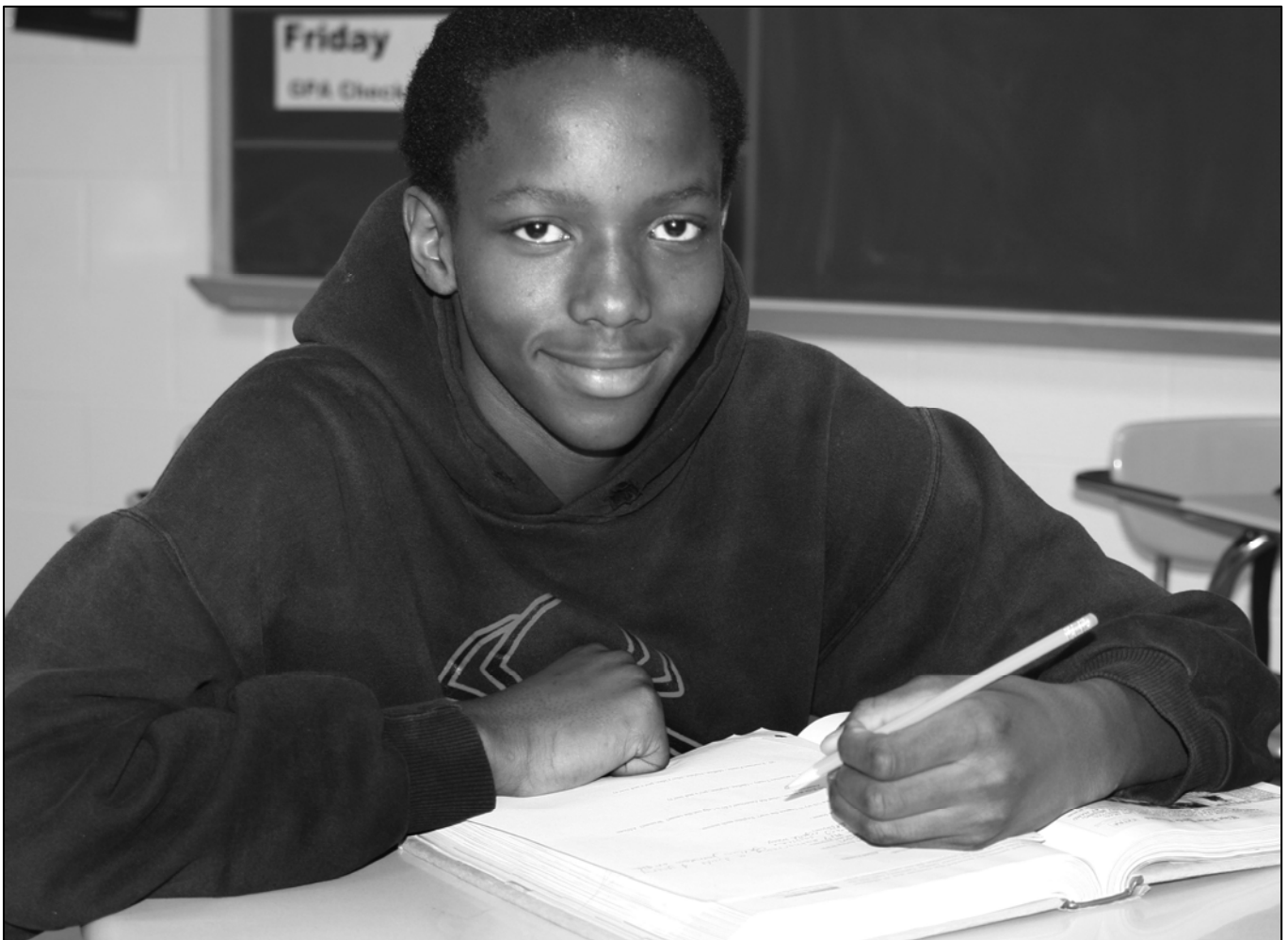
# *Start Strong!*

## **Take an Honors Course**

Honors courses provide challenging studies for highly able students who are capable of pursuing rigorous instruction. These courses provide content and instruction that match students' abilities, achievement levels, and interests.

Honors courses include course work in Art, Computer Science, English, Foreign Languages, Mathematics, Music, Science, and Social Studies. The curriculum in each honors course includes appropriate adaptations for accelerated and enriched learning for pursuing in-depth studies that require abstract and higher-order thinking skills. Honors courses provide opportunities for students to work independently at an accelerated pace, to engage in more rigorous and complex content and processes, and to develop authentic products that reflect students' understanding of key concepts.

Students in honors courses are expected to maintain at least a B average. Students who receive a grade of C at the end of the first marking period of the semester will be counseled about ways to improve their performance and will be supported by school staff. Students who receive a grade of "D" or "E" over two consecutive marking periods will be considered for removal from honors or advanced level work in the designated course.



The following is a list of courses in the curriculum that can be pursued for honors or advanced credits at Q.O.

### **Art**

- Ceramics 3
- Advanced Studio

### **Computer Science**

- Programming 1

### **English**

- English 9A and 9B
- English 10A and 10B
- English 11A and 11B
- English 12A and 12B

### **Health**

- Comprehensive Health Education

### **Mathematics**

- Geometry A and B
- Precalculus A and B
- Algebra 2 A and B

### **Music**

- Chamber Singers A & B
- Chorus 3 A & B
- Jazz Ensemble A & B
- Symphonic Band A & B
- Symphonic Orchestra A & B

### **Science**

- Matter and Energy A & B
- Biology A & B
- Chemistry A & B
- Physics A & B

### **Foreign Languages**

- Modern Foreign Languages, Levels 3 A & B, 4 A & B
- Latin, Levels 3 A & B, 4 A & B

### **Social Studies**

- U.S. History A & B
- National, State, and Local Government A & B
- Modern World History A & B

# Broaden your Horizons!

## Take a higher level course

The following courses require students to show special ability in the subject:

### Art

- Photo 2,3
- Ceramics 2
- Studio Art 1,2
- Digital Art, Advanced Digital Photography

### Computer Science

- Advanced Software Applications
- CISCO
- Web Design

### English

- Techniques of Advanced Journalism

### Family and Consumer Sciences

- Child Development 2, 3 and 4
- Child Development Internship
- Culinary Essentials
- Hospitality Management Internship

### Mathematics

- Calculus A & B

### Music

- Guitar 2
- Chorus 2

### Science

- Anatomy and Physiology A & B
- Molecular Biology A & B
- Forensics A

### Technology

- Pre-Engineering

### Theater

- Advanced Acting



***“Taking advanced level art courses allows so many more opportunities for a student who has mastered the basics. In art, one can develop personal expression and style. Creativity has no boundaries because the assignments are much more open ended. In addition, students start to see more art in their everyday lives. This will likely stay with them forever, regardless of any future studies and endeavors.”***

~ Ms. FitzPatrick, Advanced Photography Teacher

# Prepare yourself for College!

## Take an Advanced Placement Course

AP courses are college level courses that you can take while still in high school, culminating in the College Board Advanced Placement exam.. At the conclusion of an AP course, you have the opportunity to take the corresponding AP Exam. AP Exams are two- to three-hour exams, given in May, composed of multiple-choice and essay questions. They are graded on a scale of 1 to 6. There is a \$77 exam fee. If you need financial aid, contact the signature coordinators about a fee reduction. Your AP teacher or AP Coordinator will tell you how to register for the May exam.

## *Are AP courses difficult?*

AP courses are usually more demanding than regular high schools courses. Most AP classes are comparable to first-year college courses.

## *Why should I take an AP course?*

The extra effort and time you will put into an AP course are will reap several benefits:

- You will have the opportunity to study a subject in depth, at the college level, so you will be more prepared for college work.
- If you receive a qualifying grade on an AP Exam, you may be eligible for advanced placement or course credits at the vast majority of colleges and universities in the United States.
- More than 1,400 institutions in the United States grant sophomore standing (a full year of credit) to students with satisfactory grades on enough AP Exams.





# Signature Program Honors

The following Signature Program certificates will be awarded to students at graduation:

## **Signature Program Distinguished Scholar Certificate**

In recognition of outstanding scholarship and achievement in college-level courses, this certificate will be awarded to any student who has:

- Completed AP NSL by 10<sup>th</sup> grade with a grade of C or higher.
- Completed at least 2 AP classes during the 11<sup>th</sup> grade, one of which must be in English or Math, with a grade of C or higher.
- Completed 2 additional AP classes during 12<sup>th</sup> grade, with a grade of C or higher.
- Taken at least 5 AP exams during high school.

## **Signature Program Certificate in Advanced Arts**

Students who pursue an area of study in the Arts, by participating in 5 courses, at least one of which is an AP course, will be awarded an Advanced Arts certificate in one of the following areas:

- Art
- Computer Science
- Music

Specific course requirements for each program are highlighted on the next pages.

## **Signature Program Certificate in Advanced Academics**

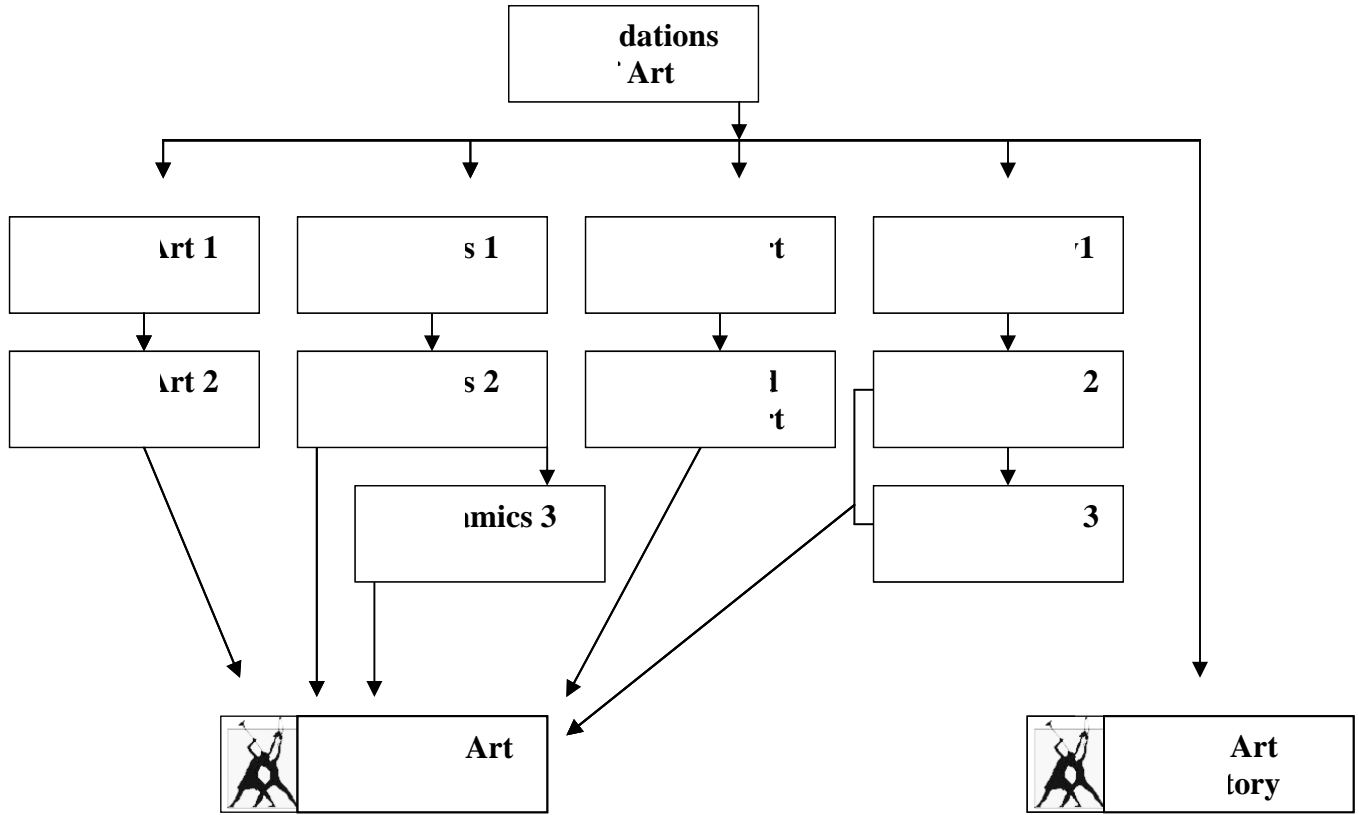
In recognition of program completion, this certificate will be awarded to any student who has completed one college level course and maintained an overall GPA of C or better.

*“Research indicates that students who participate in the arts often do better in school and on standardized tests. The arts help you recognize patterns, discern differences and similarities, and exercise your mind in unique ways, oftentimes outside of a traditional classroom setting.”*

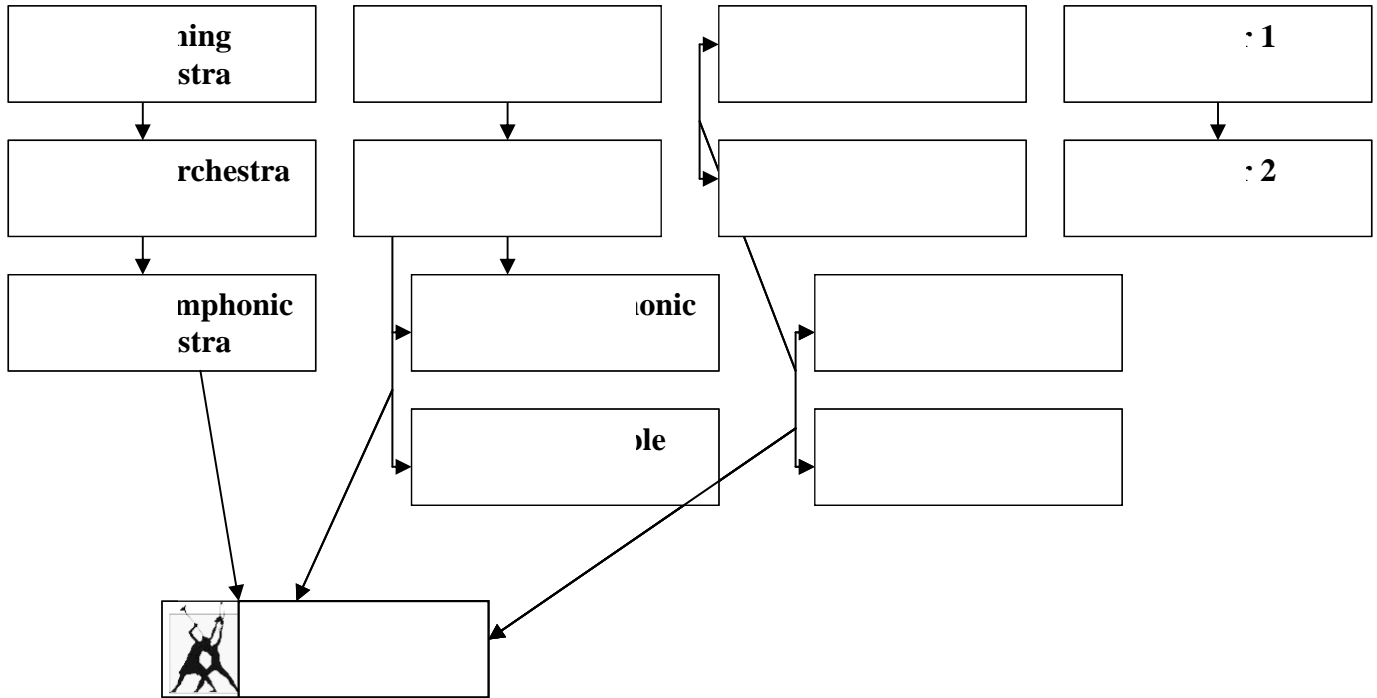
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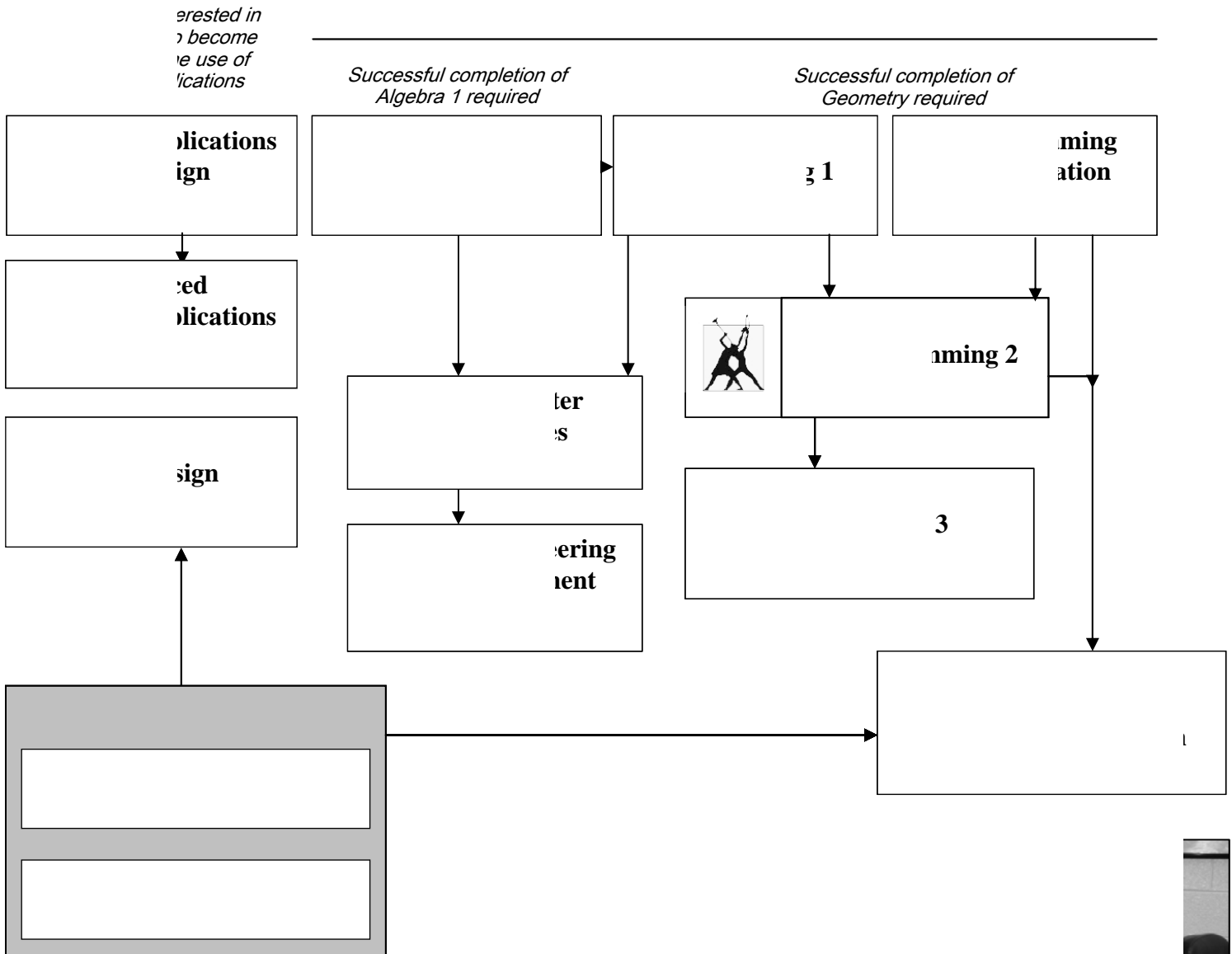
# Signature Program Certificate in Advanced Arts Visual Art



# Signature Program Certificate in Advanced Arts Music Performance



# Signature Program Certificate in Advanced Arts Computer Science



## Requirements for Program Completion

1. A total of 5 Computer Science courses, including, Programming 1 and 2
2. Take the AP exam for Programming 2.



The following is a list of Advanced Placement courses offered at QO:

**English**

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**Advanced Placement Language and Composition (English 11)**

**Course Description:** AP Language and Composition A and B are designed for the highly motivated student. Students will read complex non-fiction prose written in a variety of periods and rhetorical contexts. They will learn and practice several high level critical reading strategies, including textual annotation. Students also will strive to become skilled analytical and persuasive writers, in part by writing bi-weekly, in-class, timed essays in preparation for the AP English Language and Composition exam. By passing this exam, students may earn college English credit or advanced preferential placement in English.

While the course assumes that students already understand and use standard English grammar, a formal grammar review prepares students for the October PSAT. The course model is discussion based, and students should realize that class participation will affect their performance and learning. Students complete a two-part research paper in this class, consisting of a critical analysis and a rhetorical analysis, due in the second semester.

**Average Reading Per Night:** 2-4 essays per week, with annotation and written analysis

**Average Numbers of Papers per Semester:** 3-5

**Average Number of Tests per Semester:** Vocabulary and grammar quizzes, graded discussions

**Other Expectations:** Rising AP students are required to read two texts during the summer. The written assignments on these texts are due in the first week of school. These will represent significant grades in the first quarter, and thus should be polished, sophisticated papers.

**Advanced Placement Literature and Composition (English 12)**

**Course Description:** Able 12th grade students may elect this freshman college-level course as their English program. Within broad guidelines defined at the national level, the program stresses practical application of the principles of rhetoric and the close study of a wide selection of challenging literature, both classical and contemporary. Students deepen their understanding of how literature communicates meaning through form and content by reading and discussing works representative of dominant literary genres and themes. Students increase their precision in thought and expression by applying methods of literary analysis; they also write frequently and revise expository essays. Students are regularly expected to write sample AP essays as timed writings in class. At the end of the course, students should take the annual AP exam in English and may receive college English credit or advanced, preferential placement in English.

**Average Reading Per Night:** 35 pages

**Average Numbers of Papers per Semester:** 3 major papers

**Average Number of Tests per Semester:** Perhaps 3-4 major tests, and frequent quizzes

**Other Expectations:** Students are expected to actively prepare for class discussions by rereading the assigned material, preparing notes, and reviewing discussion questions. Students should be prepared to participate fully in class discussions. Supplementary research related to the study of literature also will be an expectation of the course. Papers often are used as assessment measures.

**Fine Arts**

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**Advanced Placement Art History**

**Course Description:** Students are introduced to college level art history and prepare for the AP Art History exam. They study the evolution of Western and non-European art in contemporary society by examining the major forms of visual expression in world cultures. Students analyze architecture, sculpture, painting, and the decorative arts within a historical and cultural context. They also focus on the ancient through the medieval periods of history, as prescribed by the College Board curriculum.

**Average Reading Per Night:** 6-8 pages (Text w/ visual pictures)

**Average Numbers of Papers per Semester:** one major research project first semester, one 3-5 page term paper during second semester

**Average Number of Tests per Semester:** 4-5 chapter tests with semester exam and final in May

**Other Expectations:** Must be in class daily to view slides, journals, and study guides.

**Advanced Placement Studio Art (Drawing, 2D Design or 3D Design)**

**Course Description:** This individualized program concentrates on art projects that demonstrate the competencies expected of advanced placement art applicants as identified by the College Board. Portfolios are assembled to meet the submission requirements. Students are to choose one of 3 major concentrations: Drawing Portfolios, 3-D design portfolio, 2-D design portfolios. Each major consists of three parts:

For Drawing and 2D portfolios:

- Quality includes 5 original works
- Concentration includes 12 original works in slide form
- Breadth includes 12 works in slide form

For 3D portfolios:

- Quality includes 5 original works
- Concentration includes 12 original works in slide form
- Breadth includes 8 works in slide form

**Average Reading per Night:** Instead of requirements, students are expected to work 5-10 hours a week at home

**Average Numbers of Papers per Semester:** 1 per semester

**Average Number of Tests per Semester:** None

**Other Expectations:** At least 24 pieces are needed for the portfolio presentation. Critiques are conducted every two weeks and random progress checks will be held weekly to ensure that all students are working productively towards portfolio completion. Studio management skills are a must. All students will be expected to use their class time toward the completion of the AP portfolio. Both at home and in class assignments will be graded.

**Advanced Placement Music Theory**

**Course Description:** Students with strong interest and preparation in music prepare to meet the requirements of the College Board for advanced placement in Music Theory. They gain increased fluency in all aspects of music notation while strengthening skills in tonal imagery and tonal memory. Practice in sight-singing, dictation, composition, and improvisation is complemented by listening and score analysis. Fulfilling requirements similar to those of a college music theory course, students read, write, and analyze music of increasing complexity. They study in detail the techniques used to compose, vary, and ornament melodies, and apply these techniques in their own compositions and improvisations. They explore uses of electronic technology in composition.

**Average Reading Per Night:** Varies

**Average Numbers of Papers per Semester:** none, there will be one music composition project per semester

**Average Number of Tests per Semester:** 15+ formative assessments, with 5-10 summative assessments

**Other Expectations:** There are daily homework assignments. Material learned is cumulative, so it is important to keep up with the assignments. This is an excellent prep course for college Music Theory and a "must take" for students who are planning to minor or major in music.

**Foreign Language**

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**Advanced Placement Language Courses (French, Spanish, Chinese)**

**Course Description:** This course is for capable foreign language students interested in a college level course and/or gaining advanced standing in college. Using the MCPS Foreign Language Program of Studies, students will concentrate on developing proficiency in speaking, listening, reading, and writing. The AP Language exam is rigorous and demands a high level of student proficiency. In addition, this course will place emphasis on the mastery of linguistic competencies at a high level of proficiency.

**Average Reading Per Night:** 30 minutes of homework per night

**Average Numbers of Papers per Semester:** One every two weeks

**Average Number of Tests per Semester:** One every two weeks

## Mathematics

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### **Advanced Placement Calculus**

**Course Description:** The topics studied in AP Calculus are those traditionally offered in the first year of calculus in college, and are designed specifically for students who wish to obtain advanced placement in mathematics in college. Concepts are communicated graphically, numerically, analytically, and verbally. The basic topics studied include limits and continuity of functions and derivatives and integrals of algebraic and transcendental functions and their applications in problems. The advanced topics developed and applied include integration techniques. The BC course also includes convergence tests for series, Taylor or Maclaurin series, elementary differential equations, and hyperbolic functions. A graphing calculator is required for the AP examination.

**Average Reading Per Night:** 30 to 45 minutes of homework per night

**Average Number of Tests per Semester:** 6 to 8 tests and 6 to 8 quizzes

**Other Expectations:** Three ring binder, active/focused note-taking, independent and group study

### **Advanced Placement Statistics**

**Course Description:** Students engage in the exploratory analysis of data and make use of graphical and numerical techniques to study patterns and departures from patterns. They generate conjectures about relationships among variables. Association is distinguished from causation. Data sets are collected according to a well-developed plan—census, sample surveys, experiments, and/or observed studies—from which inferences will be made. These data sets lay the groundwork for an ongoing, year long project. Students have the flexibility to conduct research and choose from data sets that are representative of their interests, academic goals, and career choices. Students are expected to produce models using probability and simulation. Statistical inference guides the selection of appropriate models. Models and data interact in statistical work; models are used to draw conclusions from data, while the data may support or discredit the model when analyzed with inferential methods. This course is the equivalent of a non-Calculus-based introductory college statistics course. A graphing calculator is required for the advanced placement examination.

**Average Reading Per Night:** 8-10 pages

**Average Numbers of Papers per Semester:** 1-2

**Average Number of Tests per Semester:** 6-8

**Other Expectations:** A strong understanding of math concepts through Algebra II and an ability to explain or confirm an argument in writing. Graphing calculator required for this course.

## Practical Arts

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### **Advanced Placement Computer Science**

**Course Description:** Advanced Placement Computer Science (APCS) courses are designed for students of high academic ability who have a strong interest in computer science and who want to prepare for the APCS A examination. In colleges recognizing the APCS examination, a qualifying score gives the student college credit or advanced standing. The topics covered normally comprise three or more semester hours included in the first year of a computer science curriculum at the college level. Projects will require both rigorous problem definition and program implementation strategies that will be written in the Java programming language. Other course assignments will require developing, tracing, and analyzing code and algorithms. The course also requires work with a case study that includes reading code and pseudocode, writing code and tracing code.

**Average Reading Per Night:** 4 pages

**Average Numbers of Papers per Semester:** 8 computer programs

**Average Number of Tests per Semester:** 5-6 quizzes/tests and small biweekly quizzes

**Other Expectations:** Attendance is crucial. Expect to have to spend one lunch period in the lab for each missed class period. Work outside of class will be required, and in some cases might require programming to be done at home or at school in the lab at lunch or before/after school.

Science .....

**Advanced Placement Biology**

**Course Description:** Biology AP A and AP B are for students with a special interest in and high motivation for an in-depth study of the biological sciences. The emphasis is on laboratory investigation. Biology AP A and AP B build on the concepts covered in Biology A and B, with greater detail in content and with additional topics and laboratory investigations. The courses include topics of the Biology AP Curriculum that can be taught in two semesters. Students are expected to take the Advanced Placement Biology Examination at the end of the course. Topics in Biology AP include unity of life, cellular energetics, genetics, diversity of life, evolution, ecology, and behavior.

Prerequisite: Completion of Biology A and B and Chemistry A and B

**Average Reading Per Night:** 5-10 pages

**Average Numbers of Papers per Semester:** None

**Average Number of Tests per Semester:** 8-10 tests

**Other Expectations:** Performance of the 12 AP Biology labs

**Advanced Placement Chemistry**

**Course Description:** Chemistry AP A and AP B are designed for the highly motivated student who wishes to achieve additional skills to ensure greater success in first-year chemistry at the college level. This course includes topics of the AP Chemistry curriculum that can be taught in two semesters. In Chemistry AP A and AP B, the emphasis is on problem solving, laboratory skills, and chemical investigations. In Chemistry AP the topics are atomic theory, chemical bonding, phases of matter, solutions, types of reactions and equations, equilibrium, reaction kinetics, and thermodynamics. Students are expected to participate in the AP exam at the end of the course.

Prerequisite: Completion of Chemistry A and B.

**Average Reading Per Night:** about 10 pages; plus problem solving HW= 40-50 min total time

**Average Numbers of Projects per Semester:** 1

**Average Number of Tests per Semester:** 4 - 6 Tests plus regular quizzes and labs

**Other Expectations:** The course is double period (hence the heavy homework schedule) and is very lab oriented - so lots of lab work and lab reports. The lab component is actually great fun.

**Advanced Placement Environmental Science**

**Course Description:** This course is based on the course outline designed by the College Board and 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. Laboratory and field investigation complement the classroom portion of the program, providing opportunities to test concepts and principles that are introduced in the classroom. Extensive fieldwork allows students to explore specific problems in ways that are challenging, realistic, and relevant to their lives. Students are expected to take the AP Environmental Science exam at the end of the course. Topics for the course are those described by the Advanced Placement Program of the College Board.

Prerequisite: Completion of Biology and Chemistry Concurrent

**Average Reading Per Night:** 8-10 pages

**Average Numbers of Papers per Semester:** None

**Average Number of Tests per Semester:** 8

**Other Expectations:** There is a great deal of emphasis placed on the application of scientific principles to real situations that is incorporated into every test. To be successful, it is recommended that students have completed biology and chemistry with at least a B and have taken at least one honors level course.

**Advanced Placement Physics - Mechanics (single period only)**

**Course Description:** This is a single period course. AP Physics is designed for students who wish to expand their understanding of physics beyond that expected of a first year student. The content and activities are drawn from the Advanced Placement curriculum in physics. Students who complete the course are encouraged to take the AP Physics – C(Mechanics) examination, which may earn them college credit or advanced standing. Calculus is used in class instruction for this course.

Topics covered in AP Physics include mechanics and vector analysis, kinematics, particle dynamics, work, momentum, collisions between moving bodies, rigid body motion, gravity, planetary motion, and harmonic oscillations.

**Average Reading Per Night:** Problem Solving is approx. 5 hours a week

**Average Numbers of Papers per Semester:** None

**Average Number of Tests per Semester:** 7 (every 2-3 weeks)

**Other Expectations:** Completion of Physics A and B (Honors Preferred)

**Corequisite:** Enrollment in Calculus A and B

**Social Studies**

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**Advanced Placement United States Government and Politics**

**Course Description:** This course is for students desiring a freshman college level course in American government. Students use college level textbooks and engage in seminars, simulations, discussions, and debates. This course is a broad survey of the structure and function of American government and politics, beginning with an in-depth analysis of the Constitution as the foundation of the American political system. Students next study the three branches of government as well as the administrative agencies that support each branch, the role of political behavior in the democratic process, and the workings of political parties and interest groups. Throughout the course, students use the concepts of rights and responsibilities to help make judgments about the workings of American government and politics. This course prepares students for the AP U.S. Government and Politics examination.

**Average Reading Per Night:** 15 pages

**Average Numbers of Papers per Semester:** One

**Average Number of Tests per Semester:** 10

**Other Expectations:** Participation in seminars

**Advanced Placement National, State, and Local Government and Politics**

**Course Description:** This course is a yearlong survey of American government. Students use college level textbooks and engage in seminars, simulations, discussions, and debates. The course combines the content and skill development of Advanced Placement U.S. Government and Politics and National, State, and Local Government. Students examine the structure and function of American government and politics, beginning with an in-depth analysis of the Constitution as the foundation of the American political system. Next, they study the three branches of government as well as the administrative agencies that support each branch, the role of political behavior in the democratic process, and the workings of political parties and interest groups. Throughout the course, students use the concepts of rights and responsibilities to help them make judgements about the workings of the American government and politics. This course prepares students for the AP U.S. Government and Politics examination and the Maryland State Government High School Assessment. Note: Advanced Placement National State, and Local Government and Politics may be used to satisfy the graduation requirement of a year in NSL A and B.

**Average Reading Per Night:** 8-15 pages

**Average Numbers of Papers per Semester:** One

**Average Number of Tests per Semester:** 11 Chapter Tests and 4 Unit Exams

**Other Expectations:** Students should have a serious interest in the content and be committed to challenging themselves. Success of seminars and debates depends on keeping up with reading and research inside and outside of class.



### **Advanced Placement Comparative Government and Politics**

**Course Description:** This course is for students desiring a freshman college level course in comparative government. Students use college level textbooks and engage in seminars, simulations, discussions, and debates. The course is both a survey of the various forms of government found throughout the world and an in-depth study of specific governments and approaches to politics. Students begin by examining the concept of public authority and the sources of political power. They analyze the relationship between state and society and between the citizen and the state. Students compare the structure of governmental institutions in different countries and learn how each structure affects society in general and individuals in particular. Throughout the course, students focus on the concept of political change and the different methods used to effect such change. This course prepares students for the AP Comparative Government and Politics examination.

**Average Reading Per Night:** 15 pages

**Average Numbers of Papers per Semester:** None

**Average Number of Tests per Semester:** 10

**Other Expectations:** Four chapter summaries and 2 simulations required per semester

### **Advanced Placement European History**

**Course Description:** This course is for students who are interested in a freshman college level course in European history. The course surveys European history from the 15th century to the present. A college level text is used, and students engage in college-level writing and discussion. This course prepares students for the AP European History examination.

**Average Reading Per Night:** 7-15 pages, sometimes

**Average Numbers of Papers per Semester:** One

**Average Number of Tests per Semester:** 8 or 9

### **Advanced Placement Economics: Macroeconomics**

**Course Description:** This course is for students interested in college level work in economics. Study begins with fundamental economic concepts such as scarcity, opportunity costs, production possibilities, specialization, comparative advantage, demand, supply, and price determination. Major topics include measurement of economic performance, national income and price determination, and international economics and growth. Students use a college textbook, examine economic topics in depth, conduct basic economic research, read and write widely, and produce a variety of products. This course prepares students for the AP Macroeconomics exam. A more detailed description of the course can be found on the College Board website. Basic math skills are needed but not any advanced coursework. Calculators are not used on the AP exams in Economics so the problems are kept very basic.

**Average Reading Per Night:** Five pages, approximately one chapter per week

**Average Numbers of Papers per Semester:** Two projects

**Average Number of Tests per Semester:** Four unit tests; weekly chapter quizzes

**Other Expectations:** Participate in class discussions; this is not a straight lecture class. Complete economic theory problems and applications to improve learning of material. In addition to major tests, there are weekly chapter quizzes. An optional marking period project related to economic theory is done.

### **Advanced Placement Economics: Microeconomics**

**Course Description:** This course is for advanced students interested in college level work in economics and/or gaining advanced standing in college. The course begins with a study of fundamental economic concepts such as scarcity, opportunity costs, production possibilities, specialization, and comparative advantage. Major topics include the nature of functions of product markets, factor markets, and efficiency, equity, and the role of government. Students use a college textbook, examine economic topics in depth, conduct basic economic research. This course prepares students for the AP Economics: Microeconomics examination. A detailed description of the course can be found on the College Board website.

**Average Reading Per Night:** 8-10 pages

**Average Numbers of Papers per Semester:** Two projects

**Average Number of Tests per Semester:** Four

**Other Expectations:** Participate in class discussions; this is not a straight lecture class. Complete economic theory problems and applications to improve learning of material. In addition to major tests, there are weekly chapter quizzes. An optional marking period project related to economic theory is offered.

### **Advanced Placement Psychology**

**Course Description:** This course is designed for students interested in a college-level course. Topics include trends and schools of modern psychology, characteristics and methods of psychological research, learning, perception, motivation, and the life cycle. This course differs from Psychology 1 in that students use a college textbook, examine topics in greater depth, participate more in research and experimentation, read and write more extensively, and produce a variety of products.

**Average Reading Per Night:** 10-15 pages of textbook reading

**Average Numbers of Papers per Semester:** One project

**Average Number of Tests per Semester:** Six exams

**Other Expectations:** Grades are divided between formative (50%), summative (40%) assessments and homework (10%). Summative assessments include end of the unit exams and semester project. There is a non-written research project first semester, and students will be conducting and presenting their own experiments second semester.

### **Advanced Placement Human Geography**

**Course Description:** This course is for students who desire a college level course in geography. The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course prepares students for the AP Human Geography examination.

**Average Reading Per Night:** 5-6 pages

**Average Numbers of Papers per Semester:** 1-2

**Average Number of Tests per Semester:** 4

**Other Expectations:** Daily attendance, data analysis (the expectation is you will work to learn a variety of data reporting methods and make use of such data), thought and discussion during class, understanding this is college material.

### **Advanced Placement World History**

**Course Description:** This course is for students who desire a college level course in world history. Students use college level textbooks and engage in seminars, discussions, and debates. The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in interactions with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The chronological time frame is from 1000 to the present. This course prepares students for the AP World History exam.

**Average Reading Per Night:** 8 pages

**Average Numbers of Papers per Semester:** Take-home tests every chapter, 4/5 in-class essays

**Average Number of Tests per Semester:** 4

### **Advanced Placement U.S. History**

**Course Description:** This course is for students desiring a freshman college level course in United States history. The course is a survey of our country's history from 1607 to the present, using a college level text and requiring college level writing and discussion. This course prepares students for the AP U.S. History exam.

**Average Reading Per Night:** Course is by units, and each unit has a different number of chapters. Some units have 2 or 3 or 4 chapters. Chapters can be 20 pages.

**Average Numbers of Papers per Semester:** 1

**Average Number of Tests per Semester:** 6

**Other Expectations:** Taking notes in class, keeping up with the reading, and primary source analysis. Students need to be prepared to form historical opinions and defend these opinions using a variety of sources.