

# ADDITIONAL PATHWAYS & PROGRAMS

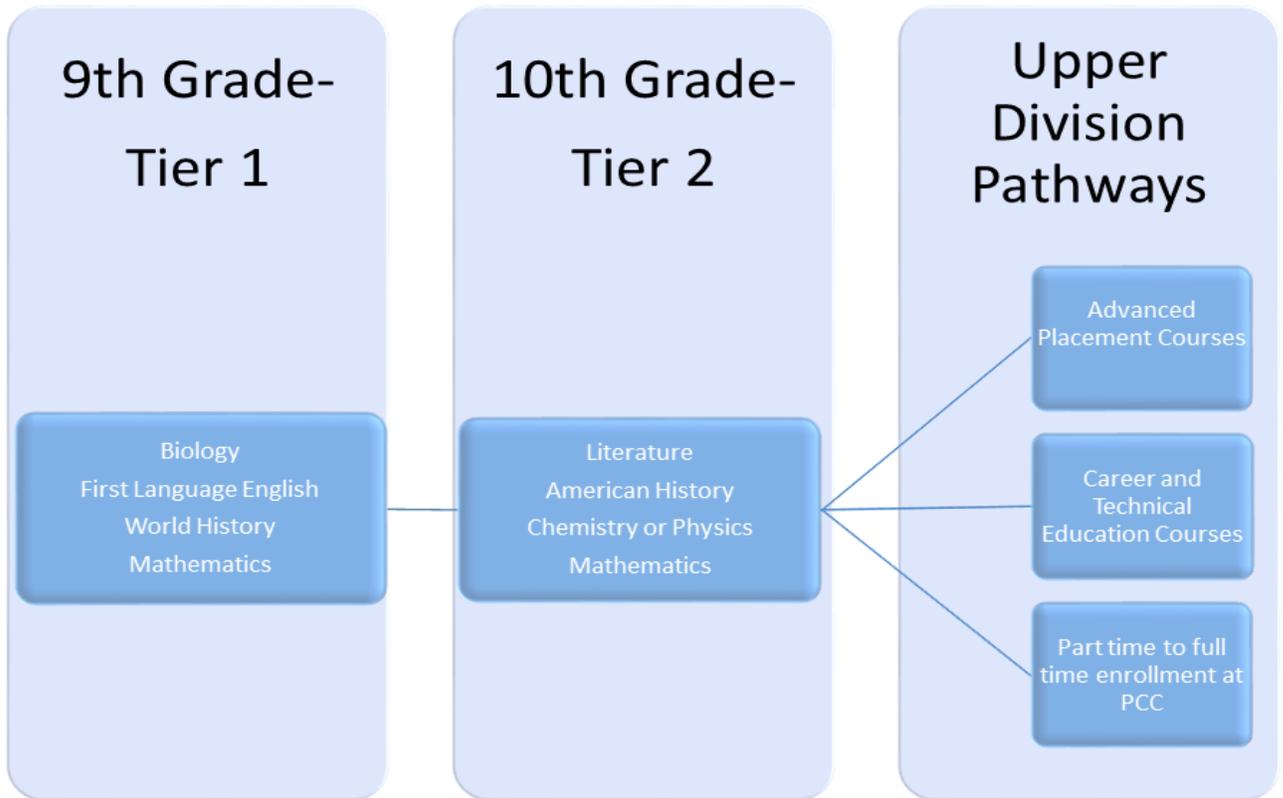
(AVID, Cambridge Academy, Dual Enrollment, International Baccalaureate (IB))

## AVID

Section: MSCo41/042/043/044		<b>AVID – Advancement Via Individual Determination</b>
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Placement through application, interview, and acceptance</i>		
AVID supports students, in the Cambridge Academy and our Advanced Placement classes, through a rigorous approach to studying, note-taking, and organizing. It also provides an in-class tutorial designed to teach learning through inquiry. This course includes field trips to colleges, collaborative group work, and career planning.		

## CAMBRIDGE ACADEMY (AHS)

The Cambridge Academy is designed around the following sequence of courses:



Section: CBR200		Cambridge English 9
Grade: 9	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<p>Cambridge English 9 will completely follow the Cambridge IGCSE First Language English (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and students will take the IGCSE board exam at the end of the course. This course serves as a prerequisite course for Advanced Placement courses. Cambridge Honors courses are organized as a cohort with English, Science, History, and Math.</p> <p>The goal of this course is to develop the ability to communicate clearly, accurately, and effectively in both speech and writing. Students learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed. Students are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. IGCSE First Language English (US) also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively. <b>This course carries a weighted grade.</b></p>		

Section: CBR202		Cambridge English 10
Grade: 10	All Year	Course offered at: AHS
Prerequisites: <i>Passing Cambridge English 9</i>		
<p>Cambridge English 10 will completely follow the Cambridge IGCSE Literature (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and students will take the IGCSE board exam at the end of the course. This course serves as a prerequisite course for Advanced Placement courses. Cambridge Honors courses are organized as a cohort with English, Science, History, and Math. Students will prepare for AP success at the junior level in reading, writing, critical thinking, and work ethic.</p> <p>The goal of this course is to develop the ability to read, interpret, and evaluate texts using literature. Students will study literal meaning, relevant context, and themes in literature. They will learn how authors use literary devices to achieve a range of effects and will be able to respond appropriately through writing and speech to the material they have read. Students will be guided to a better understanding of themselves and of the world around them. Students are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. <b>This course carries a weighted grade.</b></p>		

Section: CBR204		Cambridge Algebra
Grade: 9	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<p>Cambridge Algebra will completely follow the Cambridge IGCSE Mathematics (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite course for higher level math and Advanced Placement courses. Cambridge Algebra reflects the way today's students like to learn: they will acquire a solid foundation of mathematical algebraic skills and learn how to develop strategies for solving open-ended problems. The course also allows students to develop and sharpen their investigation and modeling skills, and introduces them to the use of graphical representation - a necessary part of the higher level mathematical processes. <b>This course carries a weighted grade.</b></p>		

Section: CBR206		Cambridge Geometry
Grade: 10	All Year	Course offered at: AHS
<b>Prerequisites: <i>Algebra I or equivalent credit or teacher recommendation</i></b>		
<p>Cambridge Geometry follows the Cambridge IGCSE Mathematics (US) curriculum and the Arizona College and Career Ready Standards. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite course for higher level math and Advanced Placement courses. Cambridge Geometry reflects the way today's students like to learn: they will acquire a solid foundation of mathematical practice skills and learn how to develop strategies for solving logic and shape problems. The course also allows students to develop and sharpen their investigation and modeling skills, and make use of algebra as strategy for solving problems of shape. Trigonometry will be investigated as a model for solving triangles. <b>This course carries a weighted grade.</b></p>		

Section: CBR216		Cambridge Biology
Grade: 9	All Year	Course offered at: AHS
<b>Prerequisites: <i>None</i></b>		
<p>Cambridge Biology follows the Cambridge IGCSE Biology (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite for Advanced Placement courses. The Cambridge Biology students learn the basic principles of biology, with an emphasis on human biology, through a mix of theoretical and practical studies. Students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. Additionally, students will develop an understanding of the scientific skills essential for further study in higher level science courses. <b>This course carries a weighted grade.</b></p>		

Section: CBR218		Cambridge Chemistry
Grade: 10	All Year	Course offered at: AHS
<b>Prerequisites: <i>Algebra I and concurrent enrollment in a higher level math class</i></b>		
<p>Cambridge Chemistry will completely follow the Cambridge IGCSE Chemistry (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite course for higher level science and Advanced Placement courses. Cambridge Chemistry helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. They learn about the basic principles of Chemistry through a mix of theoretical and practical studies. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. <b>This course carries a weighted grade.</b></p>		

Section: CBR235		Cambridge Physics
Grade: 10-12	All Year	Course offered at: AHS
Prerequisites: <b><i>Passing grade in Geometry and concurrent enrollment in a higher level math class</i></b>		
<p>Cambridge Physics will completely follow the Cambridge IGCSE Physics (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite course for higher level science and Advanced Placement courses. Cambridge Physics helps learners to understand the technological world in which they live and take an informed interest in science and scientific developments. They learn about the basic principles of Physics through a mix of theoretical and practical studies. Learners also develop an understanding of the scientific skills essential for further study at Cambridge International AS and A Level skills which are useful in everyday life. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. <b>This course carries a weighted grade.</b></p>		

Section: CBR212		Cambridge World History
Grade: 9	All Year	Course offered at: AHS
Prerequisites: <b><i>None</i></b>		
<p>Cambridge World History will completely follow the Cambridge IGCSE History (US) curriculum. This course is aligned with the requirements needed to receive the Grand Canyon Diploma and serves as a prerequisite course for Advanced Placement courses. The Cambridge IGCSE History (US) syllabus looks at some of the major international issues of the nineteenth and twentieth centuries, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research. Students learn about the nature of cause and effect, continuity and change, similarity and difference and find out how to use and understand historical evidence as part of their studies. Cambridge IGCSE History (US) will stimulate any student already interested in the past, providing a basis for further study, and also encourage a lifelong interest in the subject. <b>This course carries a weighted grade.</b></p>		

Section: CBR214		Cambridge American History
Grade: 10	All Year	Course offered at: AHS
Prerequisites: <b><i>Sophomore standing</i></b>		
<p>Cambridge American History is aligned with the Grand Canyon Diploma requirements and is designed around the Cambridge IGCSE American History syllabus. Student mastery of the syllabus content will be assessed in May through the Cambridge Board Examinations. This course is strongly recommended for students who intend to pursue Advanced Placement studies. Cambridge American History builds upon previous instruction in historical knowledge and skills. Consideration of issues related to class, gender, and race, as well as distinctly American questions will broaden students' understanding of historical perspectives. In the Spring semester, students will conduct a major research investigation into the significance of a local site or object, reporting their conclusions in a single extended essay. <b>This course carries a weighted grade.</b></p>		