

# ADDITIONAL PATHWAYS & PROGRAMS

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

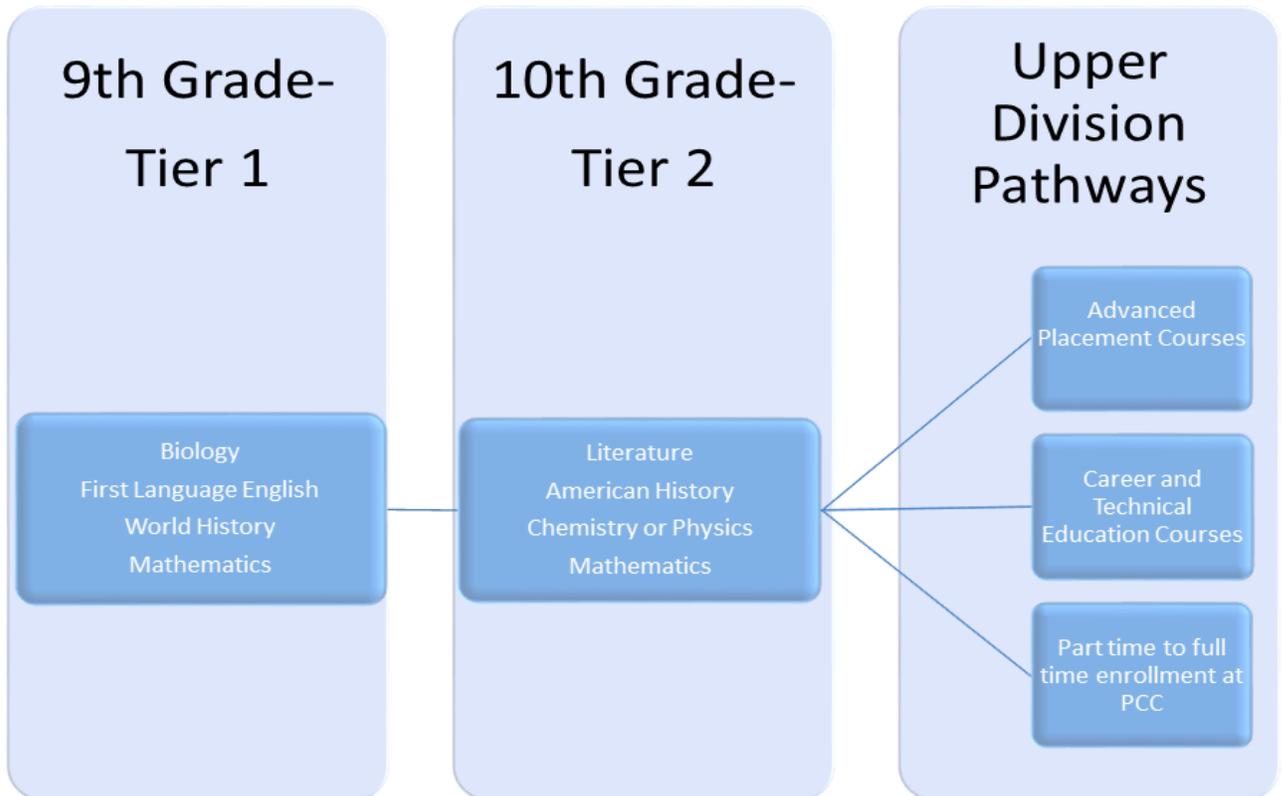
## AVID

Course: MSc041/042/043/044 (A/B)		<b>AVID – Advancement Via Individual Determination</b>
Grade: 9-12	All Year	Course offered at: AHS
<b>Prerequisites: <i>Placement through application, interview, and acceptance</i></b>		
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)

Cambridge courses will completely follow the Cambridge IGCSE (US) curriculum. These courses are aligned with the requirements needed to receive the Grand Canyon Diploma and students will take the IGCSE board exam at the end of each course. These courses serves as a prerequisite course for Advanced Placement courses.

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



Course: CBR200A/CBR200B		Cambridge English 9
Grade: 9	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<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. Cambridge English 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>		

Course: CBR202A/CBR202B		Cambridge English 10
Grade: 10	All Year	Course offered at: AHS
Prerequisites: <i>Passing Cambridge English 9</i>		
<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>		

Course: CBR204A/CBR204B		Cambridge Algebra
Grade: 9	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<p>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>		

Course: CBR206A/CBR206B		Cambridge Geometry
Grade: 10	All Year	Course offered at: AHS
Prerequisites: <i>Algebra I or equivalent credit or teacher recommendation</i>		
<p>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>		

Course: CBR216A/CBR216B		Cambridge Biology
Grade: 9	All Year	Course offered at: AHS
<b>Prerequisites: None</b>		
<p>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>		

Course: CBR218A/CBR218B		Cambridge Chemistry
Grade: 10	All Year	Course offered at: AHS
<b>Prerequisites: Algebra I and concurrent enrollment in a higher level math class</b>		
<p>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>		

Course: CBR235A/CBR235B		Cambridge Physics
Grade: 10-12	All Year	Course offered at: AHS
<b>Prerequisites: Passing grade in Geometry and concurrent enrollment in a higher level math class</b>		
<p>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>		

Course: CBR212A/CBR212B		Cambridge World History
Grade: 9	All Year	Course offered at: AHS
<b>Prerequisites: None</b>		
<p>Cambridge World History 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 World History 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>		