

eSUMMER

at **PHILLIPS ACADEMY**

**ONLINE COURSE CATALOG
SUMMER 2023**

GRADES 7-8

High School Prep English

English

Want to make sure you are on track to build the skills you need to succeed in high school? This course is designed to provide middle school students of all ages a personalized pathway to academic success in English. Using baseline assessments, students will be provided with a customized set of learning goals and instruction, supporting both those who require remediation or are looking to accelerate. Focusing on close reading of nonfiction texts and analytical writing, students will practice constructing effective sentences and paragraphs to suit a variety of topics, audiences, and aims. This course challenges students to confront a variety of text types and encourages them to see writing as a valuable tool for conveying their own well-developed arguments, opinions, and analyses.

High School Prep Math

Math

This course reviews and reinforces math skills found in the pre-algebra and Algebra I curriculum, in order to ensure students enter the Algebra I course with a solid set of underlying skills and exposure to course content. Using baseline assessments, students will be provided with a customized set of learning goals and instruction which will review important prerequisite concepts such as arithmetic with fractions, decimals, percents, negative numbers, and integer exponents, and based on their proficiency, will move on to algebraic concepts such as variables and expressions, ratios and proportions, and graphing. Regardless of their starting point, the *High School Prep Institute* will help students begin their journey towards secondary school readiness in math.

Express Yourself

Visual & Performing Arts; English

There are filmmakers, artists, and writers in all of us. In this institute, you will experience some of the many ways that we express ourselves, as human beings and as artists. You will develop skills in close reading, observation, reflection, and communication that will allow you to interpret your life in your own uniquely artistic ways.

Through the study of literature, you will consider how human beings tell their stories through dramatic and narrative texts, themes you'll then apply through your own writing and film. You will engage not only in the role of writer, but also as director, performer, and critic, using friends and relatives to help you create your own masterpiece. You will develop the basic technical skills needed to produce a short video using your own personal device and commonly available editing software. Go ahead—express yourself!

Physics of Flight

Science

Is it a bird? A plane? It's a... ornithopter?! Soar through your summer with this "hands-on" online course. Along with lectures and videos highlighting the history and the challenges of human flight, we'll be making use of flight simulation and space exploration games to accomplish specific learning deliverables. After sharing individual progress in online workshops, the class will form groups and collaborate on more complex and challenging tasks.

Through a series of guided lessons, you'll be learning how to design and fly planes, blast off into orbit and, when you're ready, strap on a few extra rocket boosters and land on the moon... the simulated moon, of course. A final project, showcasing just how high you can fly, will conclude this course; to be presented and shared online.