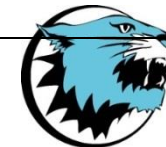




CVHS Science Department- Academic Expectations for AP Courses



AP courses provide students with the factual knowledge and critical thinking skills expected in a college level course. Teachers of AP courses follow a required course outline and prepare students with the knowledge and skills necessary to be successful on the May 2018 Advanced Placement exam.

The below chart provides an approximation of the time and assignments for each AP course offered in the Science Department. In order to make appropriate and informed choices at CVHS, it is to your advantage to understand the rigor of each course.

Area of Study	# of pages to read to prepare for each class	# of hours to study/prepare for each class	Tests/Quizzes	Major Projects	Summer Assignments	Comments <i>Students should understand or have</i>
AP Biology <i>Lab-based course in advanced study of biologic function and structure</i>	20-25 pages	1-2 hours	<ul style="list-style-type: none"> ●daily quizzes ●tests every two weeks ●test questions designed with the same intensity as AP test questions 	<ul style="list-style-type: none"> ●in-depth, formal lab reports every 2 weeks ●pre-labs are mandatory for lab participation ●2-4 hours additional work each lab 	<ul style="list-style-type: none"> ●summer project covering 1 AP bio unit 	<ul style="list-style-type: none"> ●all course materials are college level. ●seek help when needed ●high grades in lower level biology do not necessarily carry over to AP studies
AP Chemistry <i>Lab-based course in advanced study of matter</i>	10-20 pages	1-2 hours	<ul style="list-style-type: none"> ●1-2 quizzes every 2 weeks ●1 test every 4 to 6 weeks 	<ul style="list-style-type: none"> ●final project at end of year after AP exam ●Maintain a Lab notebook throughout the year ● in-depth, formal lab reports every 2 weeks ●pre-labs are mandatory for lab participation ●2-4 hours additional 	<ul style="list-style-type: none"> ●10 hour review of chemistry I – computer based problem set 	<ul style="list-style-type: none"> ●retain as much knowledge from your chemistry I course ●keep your chemistry I notebook ●this is a challenging/college level course ● High grades in lower level chemistry do not necessarily carry over to AP studies
AP Environmental Science <i>Advanced study of Earth as an interconnected system..</i>	25-30 pages per week in a college level textbook	2 hours	<ul style="list-style-type: none"> ●5-6 quizzes per quarter ●4+ timed writings per quarter ●lab report due each quarter ●midterm and final exam 	<ul style="list-style-type: none"> ●approximately one project per quarter ●cumulative project at end of year 	<ul style="list-style-type: none"> ●summer packet – 10 hours 	<ul style="list-style-type: none"> ●content interest ●excellent attendance ●strong organizational and time management skills ●ability to complete multiple long term assignments simultaneously
AP Physics C <i>Advanced study of mechanics.</i>	15 pages per week from a college level textbook	2 hours	<ul style="list-style-type: none"> ●3 tests each quarter which determine the majority of the quarter grade ●1-3 quizzes each unit 	<ul style="list-style-type: none"> ●must maintain a laboratory notebook 	<ul style="list-style-type: none"> ●summer packet – 10 hours 	<ul style="list-style-type: none"> ● knowledge of calculus required ●students must have completed or be co-enrolled in calculus AB or BC
GIS <i>Organizing the World's spatial data</i>	10-15 pages per project assignment	1 Hour	<ul style="list-style-type: none"> ●Quiz every two weeks, ●Mid Term and Final are independently moderated by JMU Professors 	<ul style="list-style-type: none"> ●Major GIS Project every week or two 	<ul style="list-style-type: none"> ●To Be Announced 	<ul style="list-style-type: none"> ● strong organizational and time management skills ●The computer software is only at CVHS, work can only be done at school. <p>Attendance issues will impact student success</p>