



WHS AP/AS Homework and Rigor Matrix 2017-2018

ENGLISH

Course	Emphasis of the rigor (majority of work)	Homework expectations per class meeting	Supports Offered	Late Work Policy	Additional important notes or requirements
AS English I	Close reading of above-grade-level texts for comprehension, literary and rhetorical style analysis, and theme. Frequent exercises in CCSS writing modalities: explanatory, argumentative, and narrative writing. Weekly vocabulary work. Socratic seminars.	30 -90 minutes. The class does entail nightly homework.	Tutoring at brunch, most lunch periods,, and by appointment. Students may also email the instructors after school for help.	Students receive one late pass per quarter to extend an assignment due date until the next class. Otherwise, no late work is accepted.	Students are most successful in AS English I if they have the desire to work hard, ask questions, collaborate with peers, practice a growth mindset about their own writing, read challenging texts, attend school regularly, and practice strong study habits.
AS English II	Reading and analyzing literature. Essays/Projects Heavy reading load. Socratic seminars	60-90 minutes	Office Hours/Tutorials: before school, brunch, lunch, after school and by appointment.	Major projects are accepted late with restrictions - grades drop automatically for each day they are late.	5-6 page research paper
AP Language	Annotation of 7-8 books Essays/writing Timed in-class essays Rhetorical and literary analysis, argument, synthesis, and creative nonfiction; independent research. Development of language and vocabulary	90-120 minutes.	Office Hours: brunch and lunch.	No late work accepted.	7 page research paper weekly research assignments during the first semester 2 formal presentations periodic "fishbowl" discussions
AP Literature	Careful reading and critical analysis of literature. Writing expository analysis. The course is designed to cover the equivalent of English IA and IB, or freshman reading and composition, as taught at most colleges and universities.	90-120 minutes.	Drop in assistance upon request.	No late work.	Senior Exhibition Project Students will be prepared to take the AP examination in May.



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MATH

Course	Emphasis of the rigor (majority of work)	Homework per class meeting	Supports Offered	Late Work Policy	Additional important notes or requirements
Geometry Enriched	Problem solving with emphasis on interpreting diagrams, modeling situations, and proof writing. Particular care is taken to integrating real-world problems and situations and critical thinking.	30 - 60 minutes	After school tutorials and by appointment.	No late work.	Mastery of the prerequisite math course is an important key to success in the current course.
Algebra II / Trig	Critical thinking and problem solving; algebraic symbol manipulation and attending to precision; abstraction and making connections; numerical computation; effective communication of thought process; interpretation in the context of the problem.	90 minutes	After school tutorials and by appointment.	No late work.	Mastery of the prerequisite math course is an important key to success in the current course.
Algebra II / Trig	Critical thinking and problem solving; algebraic symbol manipulation and attending to precision; abstraction and making connections; numerical computation; effective communication of thought process; interpretation in the context of the problem.	90 minutes	After school tutorials and by appointment.	No late work.	Mastery of the prerequisite math course is an important key to success in the current course.
AP Calculus BC	Critical thinking and problem solving; algebraic symbol manipulation and attending to precision; abstraction and making connections; numerical computation; effective communication of thought process; interpretation in the context of the problem.	90 minutes	Office hours, brunch, and lunch. Online support.	Students may ask for extensions on WebAssign homework and these are usually granted.	In April, students spend extra time studying for the Advanced Placement exam.
AP Statistics	Critical thinking and problem solving; interpreting and explaining statistical results and attending to precision; abstraction and making connections; numerical computation; effective communication of thought process.	60-120 minutes	After school tutorials and teachers are available lunch, brunch, and after school by appointment.	No late work.	Pre-Calculus is a prerequisite for this course.
AP Calculus AB	Critical thinking and problem solving; algebraic symbol manipulation and attending to precision; abstraction and making connections; numerical computation; effective communication of thought process verbally and in written form; interpretation in the context of the problem.	150 minutes	After school tutorials per After school tutorials and teachers are available lunch, brunch, and after school by appointment.	No late work.	Mastery of the prerequisite math course is an important key to success in the current course. Week-long summer boot camp to prepare students with the prerequisite skills.

SCIENCE



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Course	Emphasis of the rigor (majority of work)	Homework expectations per class meeting (in minutes)	Supports Offered	Late Work Policy	Additional important notes or requirements
Physics	Perform experiments, analyze data and graphs, construct explanations of scientific phenomena, and engage in argument from evidence.	30 min (when assigned)	Tutorials before school, at lunch, and after school by appointment.	Late work can be turned in before the end of the semester when completed for reduced credit.	Students are free to retake any quiz.
Advanced Biology	Review of content from previous class (via outlines of textbook) or intro to a lab or activity for next class (via video or summary activity)	30 minutes	Office hours available by appointment	2 late passes per semester for half credit. Allowed to make up work in the room with teacher for credit.	
AS Chemistry	Lab reports, problem solving, reading the chapter, and completing a workbook. 2 additional books with projects.	60 minutes	Tutorials every lunch period M/F after school or by appointment On-line support	1 late pass per semester good for any lab, homework, but not special projects or workbook.	Strong work ethic required
AP Biology	Reading, workbook questions, lab write-ups and presentations.	60-90 minutes	Office Hours: 1 st period and after school.	Late work is accepted.	
AP Environmental Science	Heavy reading load and reflective note-taking is required (double entry journals) On line videos and quizzes over reading. Problem sets, Practice FRQs. Selection and summaries of current event articles.	60-180 minutes.	Available after school as needed.	No late work accepted.	
AP Physics	Solving new problems independently	90 minutes per block period	Available in class and by appointment. Office hours every day at lunch. Video tutorials posted online	Extensions are granted on homework assignments if requested.	Daily quizzes must be done at the time of the quiz regardless of homework extensions. (Students who are absent can be exempted from quizzes on material they missed.)



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WORLD LANGUAGE

Course	Emphasis of the rigor (majority of work)	Homework expectations per class meeting	Supports Offered	Late Work Policy	Additional important notes or requirements
AP Spanish Language for Non-Native Speakers	Short readings, including short stories, (auto)biographies & articles from authentic sources such as newspapers (note taking &/ or paraphrasing) Studying vocabulary & analyzing its use in context	60 minutes	Tutorials at lunch and after school by appointment. Online Support.	Accepted up to a week.	Students frequently write together, peer edit & take multiple-choice tests w/ partners.
AP Spanish Language and Culture	Written and oral analysis of a variety of written text on culture, history, language, literature, science, technology, society.	20-30 minutes	Tutorials at lunch and after school by appointment.	Students will be informed if an assignment cannot be turned in late.	
AP Spanish Literature and Culture	Written and oral literary analysis of literature in Spanish from the Middle Ages to the 21st Century. In addition, students will study historical, political, artistic, and cultural elements relevant to the piece of literature studied.	30-45 minutes	Tutorials at lunch and after school by appointment.	Students will be informed if an assignment cannot be turned in late	
AP French	Grammar mastery of discrete concepts Vocabulary mastery/synthesis demonstrated by writing sentences, paragraphs. Reading.	15-30 minutes	Available during lunch, brunch and after school by appointment	Homework can be turned in late for full credit	All speaking samples and major writing done in class.
AP Latin-V	Reading in English and Latin, prose and poetry; analysis in essays and in homework's of the passages, frequent quizzes, and an exam every fifth class	45-50 minutes	Available at lunch and after school by appointment.	Accepted with limitations, reduced credit.	Requires consistent homework and ability to read Latin, the stronger the Latin vocabulary and grammar of the student enrolling, the greater the success, the stronger the memory of the student, the better chance at the AP exam the student will have.



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SOCIAL STUDIES

Course	Emphasis of the rigor (majority of work)	Homework expectations per class meeting (in minutes)?	Supports Offered	Late Work Policy	Additional important notes or requirements
AP United States History	Reading and analyzing primary and secondary sources. Writing analytical paragraphs and timed essays/DBQs.	Up 60 minutes per night.	Teachers available by appointment.	No late HW accepted without a late pass (3 provided for the year). Late work accepted for half credit up to the end of the quarter	Summer assignment and a 5-6-page research paper.
AP European History	Reading and analyzing primary/secondary sources Multiple- Choice Exams (practicing test-taking strategies) Writing (Document Based and Free Response)	60-120 minutes	After school/ Lunch tutorials (by appointment)	Study guides accepted with reduced credit.	Grade is heavily based on exams.

DVPA

Course	Emphasis of the rigor (majority of work)	Homework expectations per class meeting	Supports Offered	Late Work Policy	Additional important notes or requirements
AP Studio Art	Producing the work needed to fulfill the AP studio art portfolio requirements in the following areas: Range of Approaches, Sustained Investigation, and Selected Works.	30 min	Office hours during lunch and brunch or after school.	None	Individualized and independent learning. Development of an extensive portfolio for the College Boards including written statement.
AP Computer Science A	Basics of Object Oriented Programming (OOP) with the Java programming language. Emphasis on problem solving, program structure, algorithms, best practices for writing computer programs.	30 minutes	Tutorials before and after school.	Accepted with credit reduction.	Students work alone and in groups. Much of the course/home work is done at the computer. 4 Saturday tutorials available.
AP Computer Science Principles	Along with the fundamentals of computing, students will: Problem solve, analyze large sets of data, program, use the computer to address real-world issues,	20-40 minutes	Tutorials before school, at lunch, and after school by appointment.	Accepted with credit reduction	Humanities majors