



Highland High School STEM Endorsement Requirements



Students who wish to receive a STEM Scholar diploma must adhere to the basic Gilbert Public Schools graduation requirements, but also earn a total of **24 credits**, and also complete the following. STEM Cords may be obtained by the completion of, and good standing within, the STEM Program at HHS

Students must graduate with at least a 3.0 unweighted GPA

<u>Subject</u>	<u>Years Required</u>
Math Students must successfully complete a minimum level of Calculus by graduation.	4
Science At least one full weighted credit must be earned each year (biology, chemistry, and physics are required). Students must also take at least one full year of any AP science course .	4
Modern Language Students must successfully complete at least level 3 of any one modern language.	3
Required Electives AP Computer Science (1.0); Fine Art (1.0)	2
STEM Courses	
Freshmen and Sophomore STEM Electives Student's choice (must be STEM-related)	2
Junior STEM Elective AP Computer Science	1
Senior STEM Capstone The Engineering Projects in Community Service program, known as EPICS, is a national award-winning social entrepreneurship program. Teams design, build and deploy systems to solve engineering-based problems for charities, schools and other not-for-profit organizations. http://epics.engineering.asu.edu/	1
Experiential Activities It is expected that students in the STEM program will actively seek out additional experiential activities to enrich their overall STEM-related academic pursuits. These may include but are not limited to: Workshops, Internships, Community service, attending conferences, panels, guest-speaker presentations, etc. HHS will provide information on these types of opportunities as it becomes available	

Sample 4 Year STEM Student Schedule

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Honors Geometry (1)	Honors Algebra II (1)	Honors Pre-Calculus (1)	AP Calculus AB/BC (1)
Honors Biology (1)	Honors Chemistry (1)	AP Physics (1)	Additional weighted science (1)
Honors English I (1)	Honors English II (1)	AP English III (1)	AP English IV or APIVA/Comp 102 (1)
Fine Art (1)	World Studies or AP World Studies (1)	American/AZ History or AP US History (1)	Gov/Econ or AP Gov/AP Econ (1)
STEM Elective (1)	STEM Elective (1)	AP Computer Science (1)	STEM Capstone (1)
Modern Language I (1)	Modern Language II (1)	Modern Language III (1)	Elective (1)
6 Credits	6 Credits	6 Credits	6 Credits (24 Total)

--Physical Education credit **not** required as long as student maintains graduation course for STEM diploma, however, it **is** required for Valedictorian/Salutatorian consideration

--STEM Remind: text @78k3gc to 81010