



PERRY HIGH SCHOOL

**STEM DIPLOMA
STEM SCHOLAR DIPLOMA**

(Science, Technology, Engineering, and
Mathematics)

STEM Participants

Exceptional STEM Students:

Joshua Shunk – Stanford University Class of 2023

Nathan Lam – Stanford University Class of 2022

Kai Xi – MIT Class of 2021

Michelle Yoo – Yale Class of 2021

Grant Williams – Harvard Class of 2019

Also Exceptional STEM Students:

But getting a free education

Approximately 60% go to ASU (Barrett) or U of A

OBJECTIVE

- To offer a rigorous college prep academic program for students interested in careers in Science, Technology, Engineering, Medicine, and Mathematics.
- Preparation > Accolades
- Hannah Stevenson

Who succeeds?

- Students with ambition
- Students with drive
- Students with Intrinsic Motivation

Why do STEM

- Member of a valuable program of study
- Dedicated counselor
- Graduate STEM-Prepared... Opens many doors
- More attractive for scholarship applications

REQUIREMENTS

- STEM diploma and STEM Scholar diploma requirements
 - 5 credits of Mathematics (Including AP Statistics)
 - 6 credits of Science or 6 credits of Science/Engineering/CS
 - (4 of the 6 must be in Biology, Chemistry and Physics)
- 1 summer STEM Experience...Junior summer
 - Job Shadowing
- Students must maintain a 3.5 weighted GPA for the STEM Diploma and a 3.8 weighted GPA for the STEM Scholar Diploma
 - Students who fall below GPA minimums would be put on probation for a semester. Failure to raise their GPA above the minimum at the conclusion of the semester will result in removal from the program.
 - Previous requirements removed from program –
 - Freshman Science Fair and Sophomore Summer Workshop

STUDENT EXPECTATIONS

- Students in the program will be required to:
 - Complete AP exams in all AP classes they take
 - Take the PSAT, ACT tests
 - Must take PSAT test in the Fall of their Junior year even if they have taken it as a Freshman or Sophomore
 - Apply for university admission

STEM SCHOLAR

Freshman

Honors English 9

Honors Algebra 2

Honors Biology

AP World History

Physical Education

World Language

STEM DIPLOMA

Freshman

English 9

Honors Geometry

Honors Biology

World History

Physical Education

World Language

STEM SCHOLAR

<u>Freshman</u>	<u>Summer</u>	<u>Sophomore</u>
Honors English 9	Health (Online)	Honors English 10
Honors Algebra 2		Honors Brief Calculus or
Honors Biology		Honors Pre-Calculus
AP World History		Honors Chemistry
Physical Education		Electives/Elective & Health
World Language 1		World Language 2
		AP Statistics
<u>Junior</u>	<u>Summer</u>	<u>Senior</u>
AP English 11	STEM Experience	AP or DE English 12
AP Calculus BC		Multivariable Calc and Diff Eq
AP Chemistry		AP Physics 1/AP Physics C Mech
AP American/Arizona History		AP Government/AP Economics
Menu/Focus (Science/Engineer/CS)		Menu/Focus (Science/Eng/CS)
Fine Art Elective(s)		

Menu (PHS)

Anatomy & Physiology, AP Biology, AP Environmental Science, Robotics, Honors Science Research
Computer Science and Engineering @ PHS

STEM

<u>Freshman</u>	<u>Summer</u>	<u>Sophomore</u>
English 9 Honors Geometry Honors Biology World History World Language 1 Physical Education	Health (online)	English 10 Honors Algebra 2 Honors Chemistry Electives/Elective-Health World Language 2 Fine Art Elective(s)
<u>Junior</u>	<u>Summer</u>	<u>Senior</u>
English 11 Honors Brief Calculus or Honors Pre-Calculus AP Chemistry American/Arizona History AP Statistics Menu/Focus (Science/Eng/CS)	STEM Experience	English 12 AP Calculus BC AP Physics 1 or AP Physics C Government/Economics Menu/Focus (Science/Engineer/CS)

Menu (PHS)

Anatomy & Physiology, AP Biology, AP Environmental Science, Robotics, Honors Science Research
Computer Science and Engineering @ PHS

APPLICATION PROCESS

- Interested students need to complete an application
- Applications will be accepted at registration or can be emailed
- Applications are reviewed and students will be notified by email in May
- Letter of Rec no longer required

What if...

- What if I am an athlete?
- What if I am a marching band member?
- What if I am in orchestra or choir?