

STEM ACADEMY CURRICULUM

	REQUIRED COURSE OR CORE ELECTIVE	SCIENCE	TECHNOLOGY & ENGINEERING	MATHEMATICS	RESEARCH
9th	<u>English</u> Geo-Civics Health & PE Language (and or) Fine Art	Introduction to Physics		STEM Algebra II & Precalculus [4 required courses at Honors or AP Level. Honors Geometry is Minimum Entry Course]	
	Summer				
10th	<u>English</u> PE Language or Fine Art [Potential for Elective Independent Study]	Select from: Honors Chemistry AP Chemistry AP Biology	Technology & Engineering I MATLAB and Analysis	AP Calculus AB	Introduction to Research Methods
	Summer				Begin Summer Research
11th	<u>English</u> US History Language (and or) Fine Art	AP Biology or AP Chemistry	Technology & Engineering II Computer Programming Application Writing	AP Calculus BC or Multivariable Calculus	Continue research as necessary outside of school day
	Summer				Continue Summer Research
12th	<u>English</u> History Elective Language (and or) Fine Art	Select from: AP Physics AP Biology AP Chemistry Advanced Geostudies		Multivariable Calculus [Differential Equations proposed course in 2016]	Capstone Project Completed outside of school day