

## ROSEMOUNT HIGH SCHOOL STEM OPPORTUNITIES

STEM, the acronym for Science, Technology, Engineering and Math, is a fairly recent program making its way through schools nationwide. The faculty and staff at Rosemount High School have prepared the following chart to profile the opportunities students have to study in STEM related areas. Participation in these courses allows students to develop critical STEM skills that will enable them to join a workforce of problem-solvers, innovators, and inventors who are self-reliant and able to think logically.

	Grade	Course	Course	Course
<b>Science</b> options	9	Honors Earth Science	Earth Science	
	10	College Preparatory Biology or Advanced Placement Biology	Biology	Biology Concepts
	11	Honors Chemistry	Chemistry	Physical Science Concepts
	12	Honors Physics or Advanced Placement Chemistry or Advanced Placement Physics and/or Advanced Placement Chemistry	Physics	Chemistry
<b>Technology</b> options	9-12	Computer Programming series	Production Technology and/or Manufacturing Technology and/or Graphic Comm. Tech	
	10-12	Metals Technology		
	11-12	Advanced Placement Computer Science	CISCO Networking or Com. Hardware, Software, and Video Game Design	Fabrication and Design
<b>Engineering</b> options	9	Technology Design and Problem Solving		
	10-12	Engineering Drafting	Architectural Drafting	Super Mileage Vehicle Research and Development
	11-12	College Pre-Engineering	CAD/3D Studio	Advanced Drafting
<b>Mathematics</b> options	9	Honors Geometry	Algebra I	Algebra I Concepts
	10	Honors Algebra II	Geometry	Geometry Concepts
	11	Honors PreCalculus	Algebra II	Algebra II Concepts
	12	Advanced Placement Statistics or Advanced Placement Calculus AB or Advanced Placement Calculus BC	PreCalculus or CAPS	Technical Mathematics