



Recommended Program of Study for: Science, Technology, Engineering & Mathematics



Career Cluster: Science, Technology, Engineering & Mathematics		Pathway Name: Engineering & Technology		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II or equivalent	Math Elective	
Physical Science	Biology	Chemistry	Physics	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Foundations of Engineering	Engineering Applications	Engineering Research and Design	Engineering Systems	
PLTW -Introduction to Engineering Design	PLTW Principles of Engineering	PLTW Specialty Course		
Career and Technical Education and /or Foreign Language and /or Arts Education (3 credits)				Career and Technical Student Organizations
Work-based Learning	Secondary	– Articulation –		Postsecondary
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				TSA
CTE Assessments	Available Industry Certifications		High Wage-High Skill- High Demand Careers	
	<u>Certification</u>	<u>Provider</u>		