

Science, Technology, Engineering & Mathematics Cluster Sample Education Plan

	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	SUGGESTED ELECTIVES
9 TH GRADE	English 9	Algebra I	Physical Science	World History to the Present	<ul style="list-style-type: none"> Physical Education -1 Health – ½ Fine Arts – ½ Computer Application – ½ Foreign Language I Foreign Language II 	<ul style="list-style-type: none"> Foundations of Engineering Engineering Systems Engineering Applications Engineering Research and Design Introduction to Engineering – PLTW Principles of Engineering – PLTW Digital Electronics – PLTW Aerospace Engineering – PLTW Biotechnical Engineering – PLTW Civil Engineering and Architecture – PLTW Computer Integrated Manufacturing – PLTW Engineering Design and Development - PLTW
10 TH GRADE	English 10	Geometry	Biology	United State History to 1877		
11 TH GRADE	English 11	Algebra II with Trig	Chemistry or AP Chemistry	United States History from 1877 to the Present		
12 TH GRADE	English 12	Pre-Calculus, Calculus or AP Calculus or Math Analysis	Physics or AP Physics	Economics/ United States Government		
	<p style="text-align: center;">Middle School Course</p> <ul style="list-style-type: none"> Gateway to Technology – PLTW Career Cluster Technology I Career Cluster Technology II 					
COMMUNITY COLLEGE	<ul style="list-style-type: none"> Cluster/Degree/Certification Course Work 		<ul style="list-style-type: none"> Cluster/Degree/Certification Course Work 		<ul style="list-style-type: none"> Cluster/Degree/Certification Course Work 	<ul style="list-style-type: none"> Cluster/Degree/Certification Course Work
HIGHER EDUCATION	<ul style="list-style-type: none"> Degree completion requirements 		<ul style="list-style-type: none"> Degree completion requirements 		<ul style="list-style-type: none"> Degree completion requirements 	<ul style="list-style-type: none"> Degree completion requirements