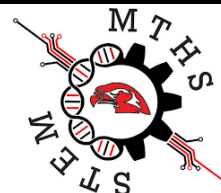




Mountlake Terrace STEM Program

Exploratory Diploma Guide



The Mountlake Terrace STEM Program's Exploratory Diploma offers a customizable four-year program to recognize students who have taken multiple STEM classes in addition to studying math and science beyond the minimum graduation requirements. The Exploratory Diploma does not require students to take a specific sequence of STEM Classes. Rather, this allows for exploration across fields, and promotes the integration of those disciplines in a final project.

Directions

To receive a STEM Program Exploratory Diploma, students should begin their coursework with Introduction to Engineering Design, take 2.0cr of STEM electives, 3.0cr of Math, 3.0cr of science, one additional math or science class, and finish with STEM English 12. If these credits are completed with a 70% (C-) or better, then students will earn a STEM Exploratory Diploma.

Take Both Foundations of STEM (2.0cr)	Pick 2 STEM electives (2.0cr)	Pick 3 Math (3.0cr) (Take at MTHS)	Pick 3 Science (3.0cr) (Take at MTHS)
<input type="checkbox"/> Introduction to Engineering Design (1.0cr) Students learn the basics of Design, project management, communication and other skills necessary to function in the 21st century workplace	<input type="checkbox"/> Principles of Engineering (1.0cr) <input type="checkbox"/> Aerospace Engineering (1.0cr) <input type="checkbox"/> Manufacturing Innovations (1.0cr) <input type="checkbox"/> AP Computer Science Principles (1.0cr) <input type="checkbox"/> AP Computer Science A (1.0cr) <input type="checkbox"/> Biotechnology (1.0cr)	<input type="checkbox"/> Algebra 1 (1.0cr) <input type="checkbox"/> Geometry (1.0cr) <input type="checkbox"/> Honors Geometry (1.0cr) <input type="checkbox"/> Algebra 2 (1.0cr) <input type="checkbox"/> Honors Algebra 2 (1.0cr) <input type="checkbox"/> Pre-Calculus (1.0cr) <input type="checkbox"/> CHS Pre-Calculus (1.0cr) <input type="checkbox"/> CHS Calculus (1.0cr) <input type="checkbox"/> AP Calculus AB (1.0cr) <input type="checkbox"/> AP Calculus BC (1.0cr) <input type="checkbox"/> AP Statistics (1.0cr)	<input type="checkbox"/> Integrated Physical Science (1.0cr) <input type="checkbox"/> Food Science (1.0cr) <input type="checkbox"/> Biology (1.0cr) <input type="checkbox"/> Honors Biology (1.0cr) <input type="checkbox"/> Earth Space Science (1.0cr) <input type="checkbox"/> Zoology (0.5cr) <input type="checkbox"/> AP Biology (1.0cr) <input type="checkbox"/> Chemistry (1.0cr) <input type="checkbox"/> AP Chemistry (1.0cr) <input type="checkbox"/> Astronomy (0.5) <input type="checkbox"/> Human Anatomy & Physiology (1.0cr) <input type="checkbox"/> Physics (1.0cr) <input type="checkbox"/> AP Physics (1.0cr)
<input type="checkbox"/> STEM English 12 (1.0cr) Students spend the year proposing, developing, and presenting a capstone project for the International Science and Engineering Fair		+1.0 Additional credit in either Math or Science <input type="checkbox"/> Comparable math or science alternative Class _____ Instructor Initials _____	