



The S.T.E.M. Magnet High School program at Mountlake Terrace High School is an Edmonds SD choice program providing a 4-year program of study immersed in S.T.E.M. (Science, Technology, Engineering, and Mathematics) studies and learning experiences. Through this program, students will graduate proficient and engaged in the S.T.E.M. disciplines while being prepared and inspired to pursue S.T.E.M. related studies at the college and university level.

**This choice magnet program is open to all incoming 9<sup>th</sup> grade students in the Edmonds School district beginning Fall of 2012. Note: Students applying from outside the MTHS service area may only enroll in the STEM Honors Diploma Program of Study listed below.**

## STEM Magnet High School Programs of Study


All students take a common core of courses in grades 9-10 focused on preparing students for advanced level studies at the 11<sup>th</sup> and 12<sup>th</sup> grade levels. In grades 11-12, all students choose their own advanced level S.T.E.M. Program of Study from among three Advanced STEM Pathway options and culminate their experience with a senior project reflecting learning in their advanced STEM area.

STEM Honors Diploma Program of Study (Non-Music Students)	
Grade 9	
English 9/English 9 Honors	English 9/English 9 Honors
Geometry*	Geometry*
Honors Biology	Honors Biology
Engineering Design	Engineering Design
Health	World History 9/Honors WH 9
World Language/Elective	World Language/Elective
Grade 10	
English 10/English 10 Honors	English 10/English 10 Honors
Honors Algebra 2	Honors Algebra 2
Principles of Engineering	Principles of Engineering
Chemistry	Chemistry
World Hist. 10/AP Euro Hist	World Hist. 10/ AP Euro Hist
World Language/Elective	World Language/Elective
Grade 11	
English 11/ AP English 11	English 11/AP English 11
Honors Pre-Calculus	Honors Pre-Calculus
US History /AP US History	US History / AP US History
World Language/Elective	World Language/Elective
PE	Art
Advanced STEM Course	Advanced STEM Course
Grade 12	
English 12/AP English 12	English 12 /AP English 12
AP Calculus	AP Calculus
Sr. History/ AP Government	Sr. History/AP Government
PE	Personal Finance
Advanced STEM Course	Advanced STEM Course
STEM Capstone Project	STEM Capstone Project

STEM Honors Diploma Program of Study (Music Students**)	
Grade 9	
English 9/English 9 Honors	English 9/English 9 Honors
Geometry*	Geometry*
Honors Biology	Honors Biology
Engineering Design	Engineering Design
Health	World History 9/Honors WH 9
Music	Music
Grade 10	
English 10/English 10 Honors	English 10/English 10 Honors
Honors Algebra 2	Honors Algebra 2
Principles of Engineering	Principles of Engineering
Chemistry	Chemistry
World Hist. 10/AP Euro Hist	World Hist. 10/AP Euro Hist.
Music	Music
Grade 11	
English 11/ AP English 11	English 11/AP English 11
Honors Pre-Calculus	Honors Pre-Calculus
US History /AP US History	US History / AP US History
World Language/Elective	World Language/Elective
Music	Music
Advanced STEM Course	Advanced STEM Course
Grade 12	
English 12/AP English 12	English 12 /AP English 12
AP Calculus	AP Calculus
Sr. History/ AP Government	Sr. History/AP Government
Music	Music
Advanced STEM Course	Advanced STEM Course
STEM Capstone Project	STEM Capstone Project

\*Note: Geometry is required for Grade 9.

\*\*Counselors will work with Music students to accommodate requirements needed for graduation.



### Highlights

- Rigorous and Engaging Curriculum
- Multiple opportunities for college credit
- Visits to College and University STEM Programs
- Interaction with STEM Professionals and College Faculty
- STEM Competitions and Clubs including FIRST Robotics, Rocketry, and Bio-Expo

### Advanced STEM Course Options for grades 11-12

- Aerospace
  - Aerospace Engineering
  - AP Physics
- Robotics/Comp. Science
  - Robotics
  - Digital Electronics
  - Comp. Programming
- Biotechnology
  - Biotechnology
  - AP Biology or AP Chemistry



### Our Current College and STEM Industry Partners

- University of Washington
- Seattle University
- Lake Washington Institute of Technology
- Rochester Institute of Technology
- Edmonds Community College
- The Boeing Company
- Multiple Project Lead the Way University Affiliates
- Puget Sound Biotechnology Advisory Committee
- Center of Excellence for Aerospace and Advanced Materials Manufacturing
- WA FIRST

For more information about the STEM Magnet High School Program at Mountlake Terrace High School, contact the Mountlake Terrace High School Main Office at 425-431-7776