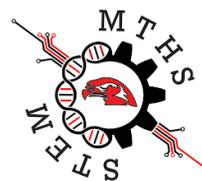




Mountlake Terrace STEM Program

College and Career Preparation



STEM students complete a senior capstone research project and participate in the Washington State Science and Engineering Fair and the Central Sound Science and Engineering Fair. Students also have the opportunity to be members of, or compete, in Career and Technical Student Organizations (CTSO clubs). Many STEM students show excellence in depth areas leading to acceptance into their first choice schools. These classes and extracurricular activities build research skills, organization, professionalism, connection, teamwork, leadership, community involvement, and competition at the regional and national levels.

College Credit Offering: Students have the opportunity to earn college credit through CHS, CTE, and AP testing

College in the High School (CHS)

Introduction to Engineering Design (Edmonds CC)

Pre-Calculus

Calculus

Career and Technical Education (CTE) (dual credit in college and high school)

Biotechnology (5cr. Shoreline CC)

Anatomy and Physiology (5.0cr Edmonds CC)

Principles of Engineering (3.0cr LWTech)

Advanced Placement (AP) (credit available with AP test)

AP Physics

AP Biology

AP Chemistry

AP Calculus

AP Computer Science Principles

AP Computer Science A

AP Statistics

CTSO and STEM Club Opportunities for Acknowledgement: Several CTSO clubs have had regional and state competitors as well as national qualifiers.

VEX Robotics: Regional, State and National competitions

FIRST Robotics: Regional, State and National competitions

Technology Student Association (TSA): State and National Competition and MTHS is the largest TSA chapter in Washington State

HOSA Future Health Professionals: State and National Competition

Team America Rocketry Challenge: National Competition and Rocketry Certifications

International Science and Engineering Fair: Regional and State competitions

E-Sports: State and National Competition

STEM + Music

Students often complete 4 years of Music courses at the same time as the STEM Diploma. Although common, this typically requires students to waive 1.0cr Physical Education, and then take an additional .5cr Physical Ed and .5Cr Personal Finance Online. Students should work with their counselor to make these arrangements.