

Science Technology Engineering Mathematics

MESA Utah is a statewide consortium of people in public education working with higher education and industry partners to attract underrepresented youth, young women, and ethnic minorities to access STEM pathways to college and careers.



www.mesaut.org

Building Utah's Future STEM Workforce!



Our School's MESA Club provides opportunities to make friends, have fun, and explore Science, Technology, Engineering, and Math.

Join Us!





Four Pillars of MESA

MESA Utah's approach is based on four pillars:

1. **Active Learning** – During regular meetings and special events, students participate in challenging and engaging hands on projects and activities designed to explore the MESA Engineering Design Process.
2. **Exposure to STEM** – Design competitions, STEM events on university campuses, and connections with industry and career mentors.
3. **College Readiness** – Through activities, resources and events developed in cooperation with our higher education partners.
4. **Peer Support** – Collaboration and leadership are emphasized at all MESA events throughout the K-16 pipeline.

Competitions

State & National Engineering Design Competitions

Every year Utah Students participate in the MESA Engineering Design competition. The State Competition is held during Physics Day at Lagoon. Qualifying students travel to compete nationally.

In 2015 and 2016, Utah hosted the Prosthetic-Arm National Engineering Design Competition in Ogden.

Starting in 2017-2018, the Engineering Design Competition will be a human-centered design project that utilizes an Arduino microcontroller.

Other Competitions

Many MESA Clubs also participate in other academic competitions and events, such as:

- Physics Day at Lagoon
- University Sponsored Events
- District or School MESA Day
- SeaPerch/UtahROV
- STEM Fairs & STEM Expos
- Robotics Competitions



Club Activities

Each MESA club offers:

- Regular Enrichment Activities
- Family Nights
- Guest Speakers
- Field Trips
- Academic Counseling
- STEM Competition Opportunities
- Scholarship Opportunities for 12th Graders

MESA Utah Partners

K-12 Districts & Charters:

- AMES Academy
- Cache School District
- DaVinci Academy
- Davis School District
- Granite School District
- Jordan School District
- Providence Hall Academy
- Salt Lake School District
- Weber School District

Colleges and Universities:

Utah State University, Utah Valley State University, Weber State University, University of Utah, Salt Lake Community College

Industry:

Bard Access Systems, Chevron Products Company, Dominion Energy, Hill Air Force Base, IM Flash, Intermountain Healthcare, MOOG, Omnicom CDS, Women Tech Council, Orbital ATK, Rockwell Collins, SanDisk, Varex Imaging, L3 Technologies, Northrop Grumman