



Rocky Mountain MESA®

Member of the STEM PUSH Network, an NSF INCLUDES Alliance

Rocky Mountain MESA is a STEM college preparation program that serves minoritized youth in developing a culturally sustaining STEM identity and strengthening skills in science, mathematics, and engineering. Rocky Mountain MESA has a human centered, empathy-driven focus. Students are mentored with a supported, experience-based pathway from secondary to post-secondary education.

Students learn and implement the MESA Engineering Design Process through numerous highly-engaging, relevant, hands-on activities. RM MESA partners with industry, university, and community entities in support of the delivery of STEM experiences, opportunities and career mentors to minoritized students. University students and STEM professionals share experiences and strategies on pursuing a STEM major and career.

Rocky Mountain MESA emphasizes & develops several targeted outcomes, including:

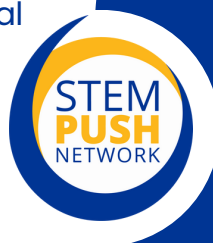
- Problem solving, critical thinking, and communication skills
- Ability to work in collaborative environments
- Learn & implement the Engineering Design Process
- STEM identity & sense of belonging



Students demonstrate these skills through the inventive process and design of a multi-level, human centered engineering focused project, including project based learning.

About the STEM PUSH Network

STEM PUSH, an NSF INCLUDES Alliance, is a national network of pre-college STEM programs who are engaging youth historically underrepresented in STEM to learn & do in-depth, authentic science, and ultimately to persist in STEM through college & beyond. More information available at stempushnetwork.org.



Program Features

STEM Focus

Engineering,
Technology & Science



1-3 hours/week

each academic year

600+ students

served each year in 9 districts across Colorado

Free for students to attend

Culturally relevant STEM

projects specific to local & regional student communities

College Prep

Weekly mentorship

by students seeking advanced degrees in STEM fields

Alumni attend schools with strong STEM programs, including:

- Colorado School of Mines
- University of Colorado
- Denver University

Connect with RM MESA!

Contact Cynthia Howell at chowell@mines.edu to schedule a visit.

More information available at nexus.mines.edu/rmmesa.