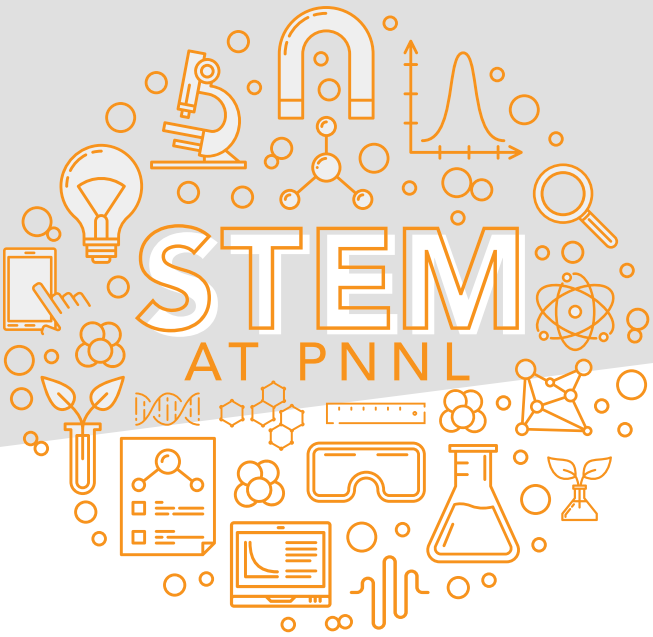

Pacific Northwest
NATIONAL LABORATORY

STEM Equity and Inclusion

Future challenges require diversity to be solved. Solving tomorrow's problems begins with inspiring innovation and creativity in students, today. We must foster a diverse workforce, specifically underrepresented minorities, and females, to be well-prepared and able to meet the growing demand for STEM skills. Early and equitable STEM opportunities and experiences are vital in generating diversity in the pipeline and motivating students to pursue a STEM career.

One of our signature programs under the Office of STEM Education is the Yakima Valley/Tri-Cities MESA (Mathematics, Engineering, and Science Achievement) program. It is one of six centers across Washington State whose goal is to increase the number of underrepresented students pursuing post-secondary education and entering the workforce in STEM fields. Our goal is to establish a STEM pipeline aligned with the diversity, equity, and education priorities of PNNL and DOE. By leveraging expertise and partnerships with PNNL Science & Engineering staff as well as close collaborations with educators, industry/community partners, and higher education institutions, we can inspire, prepare, and transform STEM education in our area.

We provide hands-on, enriching opportunities in mathematics, engineering, and science to inspire and prepare students in grades 6 through 12. We offer college and career exploration, implement and deliver teacher professional learning workshops, and provide parent education opportunities.

"Being a part of the MESA program, I learned how to become a strong, independent, hard-working person. Without the program, I would not have been able to receive the opportunities I did."

2018 Chiawana High School MESA Student,
pursuing Civil Engineering at Washington State University

U.S. DEPARTMENT OF ENERGY

BATTELLE

This effort aligns in support of DOE and the nation to sustain a pipeline of highly skilled and diverse **science, technology, engineering, and mathematics** (STEM) workers.

For more information, visit:
www.pnnl.gov/stem

or email:
stem.education@pnnl.gov