

Encouraging Scholars to expand their understanding of STEM as part of their lives.

**Celebrate
SCIENCE, TECHNOLOGY, ENGINEERING and MATH
(STEM)
with us!**

Pizza - STEM Demo Stations - Fun
Exploring Pressure with Professor Polymer



March 11, 2025
4:30 PM to 7:30 PM
The University of Akron
Student Union
303 Carroll Street



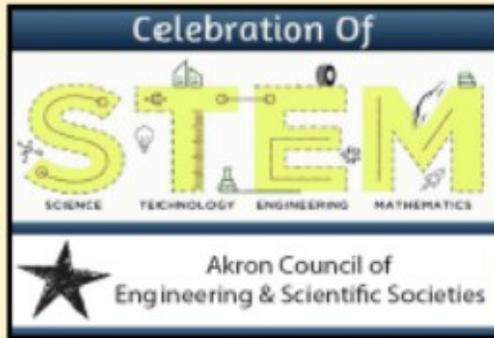


Akron Council of Engineering and Scientific Societies

Incorporated 1946

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- ★ Ohio Rubber Group (ORG)
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BOOTH #8
Fun with Density
Groovy
DIY Lava Lamps
SPONSORED BY
Synthomer

SCHEDULE OF EVENTS

4:30 PM	Ballroom 1	Arrival – Pizza & Refreshments
4:50 PM	Ballroom 1	<p>Welcome</p> <p>Juie Zhao, Assistant Dean, College of Engineering & Polymer Science, The University of Akron</p> <p>Exploring Pressure with Professor Polymer</p> <p>John Fellenstein, Retired Content Specialist, Akron Global Polymer Academy, The University of Akron</p>
5:20 PM - 7:30 PM	Ballroom 2+3	<p>Demo Stations</p> <p>ROTATION EVERY 10 MINUTES</p>
7:30 PM	Lobby	Departure

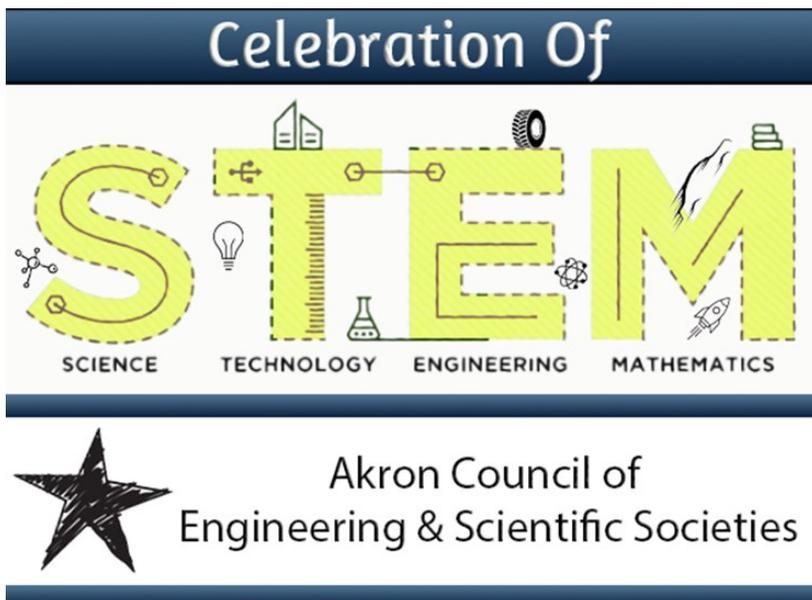





STEM DEMO STATIONS



Demo Station #1	Microscopy & Physics	Microscopy Society of Northeast Ohio (MSNO) Physics Graduate Student Association (PhGSA)
Demo Station #2	Converting Waste Plastics into Useful 3D Printed Structures	The University of Akron School of Polymer Science & Polymer Engineering
Demo Station #3	Rock Trivia	The University of Akron Association for Women Geoscientists (AWG)
Demo Station #4	Tuning in Radio	Institute of Electrical & Electronics Engineers (IEEE) Portage County Amateur Radio Service (PCARS)
Demo Station #5	Ferriot	Ferriot Inc
Demo Station #6	UA NASA Robotics	The University of Akron NASA Robotics Design Team
Demo Station #7	Akronauts Rocket Launcher Station	The University of Akron Akronauts Rocket Design Team
Demo Station #8	Fun with Density – Groovy DIY Lava Lamps	Synthomer
Demo Station #9	Engineers for a Sustainable World	The University of Akron Engineers for a Sustainable World
Demo Station #10	CSU Occupational Therapy Interactive Fun	Cleveland State University Occupational Therapy Department
Demo Station #11	Rubber Testing Tensile, Elongation, Rebound	Ohio Rubber Group (ORG) Ace Laboratories
Demo Station #12	Rubber Raw Materials Latex & Vinegar	Ohio Rubber Group (ORG)
Demo Station #13	Rubber Processing Extruding & Molding	Ohio Rubber Group (ORG) Ace Laboratories



ACCESS Mission

The Mission of ACCESS is to enhance the technical environment in the Akron area through coordination and cooperation with the technical societies, industry and academia. ACCESS provides broad industrial and academic representation and a widely diversified science and technology source. Detached from special interest groups, it offers an excellent opportunity for effective informative public service.

ACCESS Goals

1. To promote interest in science and mathematics in K-12 students
2. To encourage pursuit of careers in science, engineering and technology related disciplines
3. To encourage higher level technical education in local institutions
4. To provide technical career opportunities locally
5. To provide a tie between science, physics and mathematics educators and the technical community

To serve our community, member societies, and students, the ACCESS Event Committee presented – “ACCESS Celebration of STEM” on March 11, 2025. In partnership with The University of Akron College of Engineering & Polymer Science, an evening of STEM activities were presented to 5th grade Scholars introducing them to the science of discovery with hands-on demonstrations by university students and ACCESS member societies.

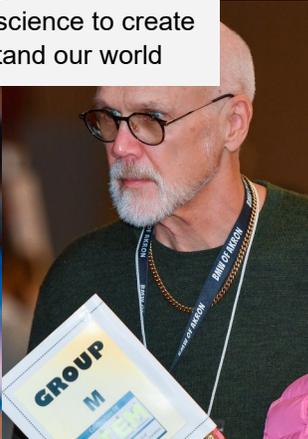
80 Akron Public School Scholars were invited to visit 13 demo stations at the Student Union Ballroom 2/3 at The University of Akron after listening to a Welcome from Dr Julie Zhao, Assistant Dean, College of Engineering & Polymer Science and a STEM presentation, “Exploring Pressure with Professor Polymer” by John Fellenstein, Retired Content Specialist, Akron Global Polymer Academy, The University of Akron in the Student Union Ballroom 1. After being transported by their school bus, the Scholars enjoyed pizza, dessert bars and beverages in Ballroom 1 before the activities began.

This event provided opportunities to the Scholars who may not have the chance to participate in hands-on science and there was no cost to the students. Approximately 77 facilitators from industry, The University of Akron and ACCESS member societies were involved in the Event. The Scholars traveled between each demo station in 10 minute intervals so that they could participate in every demo station.

ACCESS Member societies are encouraged to participate in the “Celebration of STEM” event by contributing swag to the Scholar’s Backpack Tote Bags which Scholars received, by contributing financial support to the event, by providing a tabletop exhibit of your Society for the Scholars to view, by providing volunteers at the Event, or by leading the Scholar’s group on their designated tour between demo stations. We can change the lives of students by introducing them to STEM concepts and the excitement of science! Please help ACCESS to support their Mission and Goals!

[ACCESS Event Committee](#)

It showed how you can be creative and use science to create things that are useful and help us understand our world



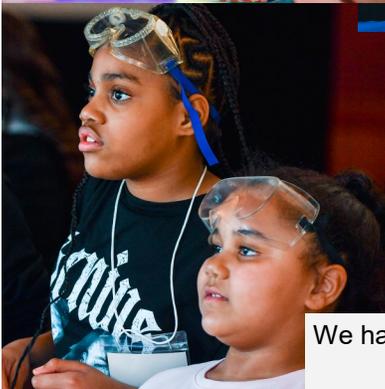
I liked how I got to learn things I never even thought about learning



I got to do hands on learning as well as experience something fun



The food was bussin. I ain't gonna cap, I met some old friends and I liked the activities



We had the chance to create things that we thought we couldn't

It was so much fun



I get to learn new stuff I haven't learned yet



It's really cool and they teach how things work