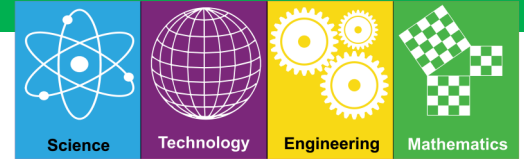


March 26, 2022 12:00-4:00 pm

STEM



Mineral County STEM Festival
mineralstem.com

Science Hall — First Floor

104-Snakes: They're not Slimy. They're cool!

WV Division of Natural Resources - Jim Fregonara

Snakes have been misunderstood and persecuted for hundreds of years. See live native West Virginia snakes and learn about the important role they play in our environment.

*108-Easy, Home Summer & Year-Round STEM Activities *South Branch Science Consortium - Jim Egenrieder*

Incorporate STEM in your daily lives with these engaging, fun, no hassle at home practices.

*108-Struggles with reading but excels in hands-on STEM? How to support a neurodiverse genius.

Sliding Doors STEM and Dyslexia Center - Krista Gauthier

New research reveals 18-30% of learners struggle with reading. Learn how STEM-focused reading interventions bring out the best of young learners.

109-Make Your Own Binary Jewelry *WVU Potomac State Computer Information Systems - Dr. Mary Moore*

Create a piece of jewelry with your name spelled in binary code.

109- Infinity Tiles *WVU Potomac State College - Dr. Richard Petersen*

Find out how simple geometry can be combined to form complex, never ending patterns.

116-Climate Change in the Mountain State *Green Bank Observatory/WV SPOT*

Hana Barrett & Sophie Saint Georges

Journey through Earth's atmosphere to understand how greenhouse gases keep Earth warm like a cozy blanket.

117-PSC PaleoPalooza *WVU Potomac State College - Nicholas Gardner & Nathan Van Vranken*

Learn about real fossils & replicas from regional fossil buffs!

*120-Mars Helicopter *NASA WV Space Grant Consortium - Savannah Toney & Samuel Cyphert*

Build a paper helicopter and experiment with the design of the helicopters to see what works best.

**Easy STEM Activities...
Struggles with Reading...**

Science Hall room 108

Session Times-

12:00, 1:00, 2:00, and 3:00 pm

NEW

Scheduled

Sessions

Mars Helicopter

Science Hall room 120

Session Times-

12:00, 1:00, 2:00, and 3:00 pm

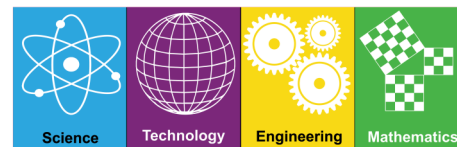


mineralstem.com

@MineralCountySTEM

Please visit food vendors on
The Quad and in
Davis Conference Center.

STEM



Mineral County STEM Festival
mineralstem.com

Science Hall— Second Floor

204-Chemistry Fun *Potomac State College Chemistry Club* – Darcia Phillips & Katie Hoover

Reactions! Experience endothermic and exothermic reactions as well as protons and electrons.

205-Our Friends, The Bees! *Mineral County Master Gardeners* – Patty Leasure & Pam Rose

Find out ways to support healthy habitats for bees to survive.

205- Parachutes are a Drag *Mineral County Girl Scouts* – Patty Leasure & Candice Hartman

Learn how parachutes cause "drag" to control themselves.

209-Exploring Cells *WVU Potomac State College Life Science Club* – Erin Cunningham

Create you own animal or plant cell while learning about all the structures of the cell.

211-Hands On Anatomy and Physiology *WVU Potomac State College* –

Dr. Sheri Chisholm & PSC Students

Have you ever wondered what the inside of your body looks like or how the various organs work or why smoking is bad for your lungs? Join us to investigate.

219-Healthy Lungs vs. Smoker's Lungs *WVU Potomac State College Biology* -

Dr. Gerald Wilcox & Allison Klavuhn

Explore the impact of smoking by examining healthy pig lungs and simulated smoker's lungs

220-Wetlands & Water Quality *Canaan Valley National Wildlife Refuge* – Amylynn Ephraim & Hannah Studdard

Learn about the importance of protecting the boggy wetlands. Try your "hand" at wetland-in-a-pan and use a YSI meter to test water quality.

Science Hall — Ground Floor

G6- Cacapon Institute: What is a Watershed? *Cacapon Institute* – Victoria Lusk

What is a watershed? Visit our interactive table to learn more by using an Enviroscope Model.

Science Conference Room- Let's Grow Together– Microgreen Planting *WVU Medicine PVH Preventive Medicine*—
Tricia Barbarito, Ellen Barnard, and Julie Miller

Learn about community garden initiatives and receive a Microgreen Kit to take home.

Hallway- You and Your Health *WVU School of Pharmacy Patient Care Operations*– Brandon Harvey

Explore health topics and receive point-of-care health screenings— Operations Heart and Diabetes.

The “Quad” (Outdoors)

Bubbles, Bubbles, Bubbles *WVU Potomac State College* – Ruth and Frank Upton

Bubbles are science? Yes! Come make giant bubbles with us!

Fun Engineering Projects *WVU Potomac State College Engineering Department* - Dr. Mohammad Saifi

Potomac State College Engineering students show off their FUN course projects!

Drones Today & Beyond: What do you see? *3D Drone Technologies* - Jeremiah Boye & Daniell Miller

Explore the PSC campus from the sky using First Person View aerial tours.

Soil Tunnel Trailer *West Virginia Conservation Agency* - Amiee Figgatt & Sam Urban

What lurks below the soil surface? Living organisms, organic matter, minerals, and more. See it in 3D!

Molecules in Motion *West Virginia University Extension Service* - 4-H Teen Leaders

Explore molecular structure by making butter. Yum!

Reduce, Reuse, Recycle! Be an Environmental Superhero! *WV DEP Youth Environmental Program* - Susan Parker

Superheroes protect their environments! Come learn how you can be an environmental superhero!

Student Union

Non-Native Invasive Plants *Rivers & Gorges Cooperative Weed & Pest Management Area, USFS* – Julia Derringer

Encourage native, healthy ecosystems by discouraging the growth of non native invasive plants.

Monarch Migration *Evergreen Heritage Center* - Heather Hartman & Lacey Day

Explore the world of a Monarch Butterfly during an interactive board game!

Forest Health in West Virginia *West Virginia Department of Agriculture* – James Watson & Ginger Siebel

WV Forests contain both pests and beneficial insects. Learn to spot the differences.

Monongahela National Forest Stream Table *U.S. Forest Service* – Ellen White

Experience a watershed ecosystem with an interactive stream table.

Make Your Imagination Real: The Printing Power of MakerSpaces! *AmeriCorps* – Maya Paul & Dr. Ryan Haupt

What’s a MakerSpace? 3D printers, laser etchers, coding robots, and more!

Lough Gymnasium

Moorefield Robotics *Moorefield High School* – Bonnie Crites & Alicen Adkins

Moorefield Middle and High Schools’ FIRST Robotics teams will showcase their robots.

FIRST Tech Challenge Robotics *The A-Team Robotics* – Dennis Dennison & Greg Ciurpita

“The A-Team” is a high school robotics team that competes in the FIRST Tech Challenge. See them in action.

SUGO Robotics *4-H Rambunctious Robotics* – Steve Kimble & Julie Burns

Come experience the thrill of Sumo wrestling crossed with LEGO robotics.

The Brown Cow Chow Down! *WVU Mineral Extension/Potomac State College* - Stacey Huffman & David Miller

Watch as Eugene the Mechanical Cow eats bucket after bucket of feed and turns it into energy!

The Science of Sugar - Maple Cotton Candy *WVU Potomac State College* - David Miller & Jeff Jones

There is science behind cotton candy! Sample sugary sweet science from Potomac State's Maple Syrup operation.