



WASHINGTON COUNTY 2025 STEAM FESTIVAL

Don't miss the outside attractions!

- Funkstown Fire Department Fire Truck
- Antietam Dairy Truck — free ice cream for everyone!
- Washington County Free Library Bookmobile

Primary Sponsors:



Secondary Sponsor:



With additional support from Washington County Free Library, Washington County Public Schools, and Wonder Book.

Use your food ticket in the ARCC lobby to redeem a free hotdog, chips, and drink. No ticket required for ice cream.



Saturday, November 1
10 a.m. to 2 p.m.

@ **HAGERSTOWN COMMUNITY COLLEGE**

SCIENCE & MATH

Bird or Frog – Can you identify the sound?

Come listen to calls you might hear in the wild and try to identify them as birds or frogs. Match the call with the specific bird or frog image. Learn about the calls or sounds and cool ways you can identify them in the wild.

Fireflies – Glow in the Dark Morse Code

Did you know fireflies are not flies? – They are beetles! They can produce light, called bioluminescence, as a way to communicate with each other. Stop by to learn all about fireflies! You can check out the different “critters” from the 4-H Entomology Club. For those brave enough to try some edible insects, check out the entomophagy table. Plus, you can also learn why it is important to plant native plants and even pick up some seeds from the HCC Environmental Club!

Forensics & Microscopes

Can you solve the crime? Come see how microscopes are used in forensic science as part of the crime solving process. Learn to identify hairs, fibers, and fingerprints!

Luminescence

Cold heat or luminescence is the ability to produce light without heat. Come see the demo of various objects in nature that can produce light. Try to make light by cracking mints, see glow in the dark organisms, and see if you can find the hidden clues using invisible ink and UV light!

Math Mayhem Scavenger Hunt

Stop by the math scavenger hunt table to receive instructions to begin your math quest throughout the STEAM Fest. You will choose your desired challenge level and receive your scratch paper. You will proceed to the first challenge and solve the puzzle. You will write down the icon on the flyer. The flyer will tell you the next puzzle to proceed to. Write down the correct order of icons to return to the math scavenger hunt table to receive a prize!

Optical Illusion Alley

Optical illusions are images that can trick your brain into seeing something different from what is present. Create your own optical illusion using crayons and a rubbing plate and stroll through some really cool illusions.

Sensational Slime Station

Create your own polymer concoction using different recipes and bling!

TECHNOLOGY & ENGINEERING

I0-4 Good Buddy

Sit inside a big rig and see how the road looks from a trucker’s perspective.

Digital Logic Design Demo

Come see how HCC’s engineering students use digital logic simulators to create logic gates, circuits, and other program-mable systems used by electrical engineers.

Egg Drop Challenge

Drop Times: 10:45 am; 11:45 am, 12:45 pm, and 1:30 pm

Calling all engineers! You are challenged to build a device that will keep a raw chicken egg intact when dropped from the balcony of the ARCC lobby.

The Future is Now!

Try your hand at controlling VEX robots in a mini competition.

Ham It Up

No cell phones? Come see a ham radio demo for how to communicate without the internet or a cell phone.

King of the Fling

Learn about kinetic and potential energy by building a model catapult and testing your launching skills.

Living in a Virtual World

Come inside to experience the virtual world.

Ready, Set, Roll!

Design and build your own air-powered car, then test your engineering skills to see how far it can vroom across the floor!

Reaching New Heights

Elevate your knowledge of access equipment, as representatives from JLG provide interactive activities and demonstrate how a scissor lift works.

Wind Tunnel Challenge

Explore how wind power works and how design affects motion and energy! Join Maryland KidWind to design and build sail cars and mini wind turbines, then test your creations in a wind tunnel.

ARTS

Glitter Tattoos

Like face painting, only better! Get your own body glitter tattoo.

Surprises Abound!

Bright, fun, magical or scary – stop by to decorate masks.

Turkey Time

When is a pumpkin not a pumpkin? When it is a turkey! Stop by and transform a mini pumpkin into a turkey.

MEDICAL

Medical Terminology Jeopardy

Test your knowledge of medical terminology by stopping by this interactive station with a Jeopardy type game.

Pump It Up! Learn About Blood Pressure

Get a hands-on exploration of how blood pressure works and try out a real stethoscope.

Radiography: “Guess the Pathology”

Come review medical x-ray images to see pathologies and other interesting findings. Instructors will review the skeletal system with participants.

Tooth Truths

Discover fun facts about your teeth and see how good brushing and flossing can make a big difference in your dental health.