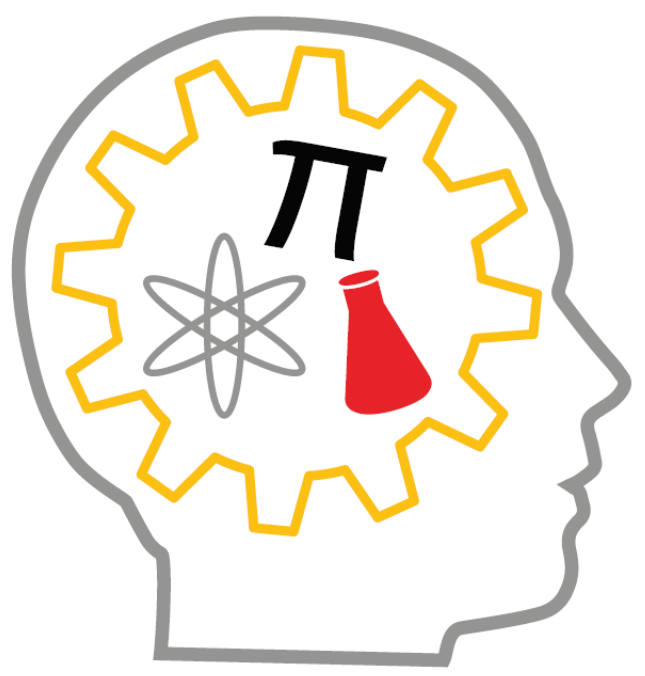


MARYLAND STEM FESTIVAL 2018



October 26 – November 11

Two weeks of educational events in science, technology, engineering, and mathematics held throughout MD & at all CCPL locations.

THURSDAY, NOVEMBER 1ST

Tech Thursdays: DIY Speakers

Perryville Branch Library, 3:00 PM - 4:00 PM, Ages 11-17

Discover the science of "reverse engineering", make your own home audio speakers and learn about how this particular science is used in the military. Presented by the U.S. Army RDECOM Chemical & Biological Center.

Solar Bugs

Rising Sun Branch Library, 4:00 PM-5:00 PM, Ages 11-17

Learn about solar energy and construct a solar powered bug that will move when exposed to sunlight.

FRIDAY, NOVEMBER 2ND

Morning Academy: Density

Elkton Central Library, 11:00 AM - 11:45 AM, Ages 6-11

See what floats and sinks as you discover density. Program includes educational stories and activities for homeschoolers and other children in non-traditional school settings.

MONDAY, NOVEMBER 5TH

Sphero Maze Challenge

Cecilton Branch Library, 4:00 PM - 5:00 PM, Ages 11-17

Program a Sphero robot to race through different maze challenges. Learn the basics of coding and compete with your friends!

TUESDAY, NOVEMBER 6TH

Engineering Challenge: Tinkering Lab

Chesapeake City Library, 4:00 PM - 5:00 PM, Ages 11-17

Use Electric Motor Tinkering Lab kits and your engineering skills to start inventing! Complete design challenges and come up with new ways to solve problems!

Military Robot Challenge

Elkton Central Library, 3:30 PM - 4:30 PM, Ages 11-17

Get the chance to operate a real military robot! Presented by engineers from Aberdeen Proving Ground.

WEDNESDAY, NOVEMBER 7TH

DIY Periscopes

Chesapeake City Library, 3:30 PM - 4:15 PM, Ages 7-11

Learn how periscopes work and build your own surveillance gear.

Engineering Challenge: Bridges

Elkton Central Library, 3:30 PM - 4:15 PM, Ages 6-11

Can you build the strongest bridge? Test out your bridge building skills in this interactive challenge.

Fab Lab: 3-D Printing

North East Branch Library, 4:00 PM - 4:45 PM, Ages 5-11

Learn about 3-D printers and design a 3-D printed cookie cutter! Presented by the University of Maryland Extension.

Chemical Reactions

Perryville Branch Library, 4:00 PM - 5:00 PM, Ages 6-11

Become a chemist for the day and discover everything there is to know about reactions while engaging in hands-on experiments. Presented by the U.S. Army RDECOM Chemical & Biological Center.

THURSDAY, NOVEMBER 8TH

Morning Academy: Density

Perryville Branch Library, 11:00 AM-12:00 PM & 2:00 PM-3:00 PM, Ages 6-11

See what floats and sinks as you discover density. Program includes educational stories and activities for homeschoolers and other children in non-traditional school settings.

SATURDAY, NOVEMBER 10TH

LEGO Challenge: Harry Potter

Port Deposit Branch Library, 11:00 AM - 12:00 PM, Ages 6-11

Show off both your architectural and Harry Potter knowledge by designing your own magical creatures out of LEGO bricks.

SUNDAY, NOVEMBER 11TH

Rocket Launch

Elkton Central Library, 1:30 PM - 2:30 PM, Families with children ages 5-11

3, 2, 1...Blast Off! Learn how rockets are engineered with scientists from Northrop Grumman; then, build and launch a mini rocket!

Visit or call any CCPL branch or go to www.cecil.ebranch.info to register for programs.

To see a complete list of all MD STEM Festival programs statewide, visit www.marylandstemfestival.org/