

2020 Events Lineup

October 24 - 31

www.huntsvillescience.org

Due to the effects of COVID-19, the 2020 Huntsville Science Festival will be hosted virtually.

SAT, OCT 24

How to be an Amateur Astronomer

📺 Online ⌚ Sat 1:00PM - 10:00PM CST

Presented by Silkowski, et. al. from the Von Braun Astronomical Society

The VBAS is offering its annual Astronomical Day event for all the Huntsville Science Festival participants. Just log on through the festival website and you will be virtually transported to the VBAS observatory to see live viewing through their telescopes! This is the first time this annual Event will be available live online.

Watch on Zoom:

<https://us02web.zoom.us/j/86987938575>

SUN, OCT 25

“Backyard Biology”

📺 Online ⌚ Sun 2:00PM - 2:45AM CST

Presented by April Reese from HudsonAlpha

Grab your magnifying lens or microscope, and explore your local ecosystem! Navigate the terrain of your community to identify the wildlife you share space with. *To register for event go to the Event Schedule page on www.huntsvillescience.org and click the “Backyard Biology” box!*

MON, OCT 26

“Rockets and STEM: Rocket Science and Other STEM Careers”

📺 Online ⌚ Mon 7:00PM - 7:45PM CST

Sponsored by RadioBro

“Student STEM Research”

📺 Online ⌚ Mon 8:00PM - 8:45PM CST

Presented by Great Students from New Century Technology Highschool

TUE, OCT 27

“Squirrely Personalities: Surprising Facts About Those Backyard Critters”

📺 Online ⌚ Tue 6:15PM - 7:00PM CST

Presented by Dr. Amanda Kelley from College of Charleston

Prof. Amanda Kelley studies how these common little animals show some surprising behaviors. You will never look at squirrels the same after this talk! *There will be a Q&A after.*

“Mega Rex! Tracking the Life of the World’s Largest T. rex”

📺 Online ⌚ Tue 7:15PM - 8:00PM CST

Presented by Dr. Scott Persons from College of Charleston

Paleontologist and author Dr. Scott Persons discusses the discovery of Scotty, the largest T. rex ever discovered. He also will present the evidence that scientists have unearthed that reveals what life was like for this amazing dinosaur. *There will be a Q&A after.*

WED, OCT 28

“Genetic Testing, Family History, and Genetic Counseling”

📺 Online ⌚ Wed 7:00PM - 7:45PM CST

Presented by Whitley Kelly, Veronica Greve and Kelly East of HudsonAlpha

Knowing about your family health history and having genetic testing can both be tools for exploring your risk of developing disease in the future. In this presentation, genetic counselors at HudsonAlpha will present recent data from two genomic screening initiatives and dig into the benefits, and the limitations, of using genetic information to think about disease risk. *To register for event go to the Event Schedule page on www.huntsvillescience.org and click the “Genetics Testing...” box!*

“Rovers & Rivers: Search for Life on Mars”

📺 Online ⌚ Wed 8:00PM - 8:45PM CST

Presented by Dr. Alexandra LeFort of the Leonardo Project

Dr. Alexandra Lefort is a planetary scientist and an artist. She was part of the team of the HiRISE camera on The Mars Reconnaissance Orbiter and researched glacial and fluvial environments on Mars. She will explain how data from martian rovers and spacecraft are helping scientists in the search for evidence of life on Mars. *There will be a Q&A after.*

THR, OCT 29

“Meet the new HudsonAlpha Educator Resource Hub”

📺 Online ⌚ Thr 3:30PM - 4:15PM CST

Presented by HudsonAlpha

Come learn all about the HudsonAlpha Educator Resource Hub. Your one-stop shop for supporting materials, some developed by HudsonAlpha and some created by partner educators. Scroll through the categories to find free lesson plans, activities, digital tools and classroom content tips. Resources are curated by content, type of resource and developer. Designed to enhance your life science instruction at multiple grade levels, these resources are freely available and updated often.

Register to attend at:

https://hudsonalpha.zoom.us/webinar/register/WN_bLKjOtS_QoqPyeSSrjuH3g

“Food for Thought”

📺 Online ⌚ Thr 7:00PM - 7:45PM CST

Presented by Dr. Adam Hott of HudsonAlpha

The modern grocery store is a haven for interesting genetics stories. In this session, we will explore a full menu of the influence of genetics on what we eat. Chow down with us on this amazing culinary adventure!

FRI, OCT 30

“Tesla’s Lightning Gun”

📺 Online ⌚ Fri 7:00PM - 7:45PM CST

Presented by Phillip Slawinski & Jimmy Kimmel

I’m Phillip Slawinski and I designed and built the Tesla Coil Gun that you will see in this video. My career in engineering and science opened up all sorts of possibilities for me, and showed me how I could make something this amazing. I wish that you could all see this gun in person, but the Huntsville Science Festival is following safe social distancing guidelines this year. So enjoy the video and we will see you next year for the second annual Huntsville Science Festival where you can see the Tesla Coil Gun up close and personal!

“Beer: Sudsy Science”

📺 Online ⌚ Fri 8:00PM - 8:45PM CST

Presented by Stewart Money from Innerspace Brewing

There is more to beer than meets the eye. Discover the complex science that goes into creating one of the oldest beverages in the world.

SAT, OCT 31

“GenomeCache®”

📺 Online ⌚ Sat All Day

Presented by Hudson Alpha

The GenomeCache® app allows you to experience and Learn more about the human genome through clues, Fun facts, and trivial questions. Learn more about its creators at HudsonAlpha! *Learn more here:*

<http://genomecache.hudsonalpha.org/>

“Science Derby Race”

📺 Online ⌚ Sat 11:00AM - 11:45AM CST

Presented by Leonardo Project

Order your free kit on our Science at Home page, create your Science Derby, return them to us and watch them race. Win science prizes!

“Predicting Weather”

📺 Online ⌚ Sat 12:00PM - 12:45PM CST

Presented by Todd Barron from National Weather Service

The science and technology used to predict weather is complex and has a long and contentious history.

“Geared for the Future: Inspiring Adventures in STEM!”

📺 Online ⌚ Sat 12:00PM - 12:45PM CST

Presented by Missile Defense Agency

“Paleo Art: Stars, Planets and Dinosaurs”

📺 Online ⌚ Sat 1:00PM - 1:45PM CST

Presented by Dr. Julius Csotonyi from Leonardo Project

Considered one of the foremost scientific illustrators and artists in the world, Dr. Julius Csotonyi has received numerous awards for his paleoart. His work can be seen in murals at many museums, including the Smithsonian Institution, the Houston Museum of Natural Science, in many books, and in news stories about novel scientific discoveries.

“The Bread Balloon Bonanza!”

📺 Online ⌚ Sat 2:00PM - 2:45PM CST

Presented by Heidi Kizer from The Bakingtist

The Bakingtist is a local Huntsville bakery with two main goals: 1) to share yummy baked goods, and 2) to promote science through fun and community. This sourdough-bread-slinging, pastry-providin', MegaCookie-making biochemist will attempt getting yeast to blow up a human-sized balloon LIVE, all while hosting an overview and Q&A on The Bread Balloon Bonanza kit. Get bready!

“Dinosaurs and our Place in the Universe”

📺 Online ⌚ Sat 2:00PM - 2:45PM CST

Presented by Dr. Ken Lacovara

What happens when you discover a dinosaur? Paleontologist Kenneth Lacovara details his unearthing of Dreadnoughts — a 77-million-year-old sauropod that was as tall as a house and as heavy as a jumbo jet — and considers how amazingly improbable it is that a tiny mammal living in the cracks of the dinosaur world could evolve into a sentient being capable of understanding these magnificent creatures. Join him in a celebration of the Earth's geological history and contemplate our place in deep time.

“Robotics for Everyone”

📺 Online ⌚ Sat 3:00PM - 3:45PM CST

Presented by Northrop Grumman

Build your own robot while you learn the science and engineering behind robotics. Get your free robot kit from our Science at Home page. *There will be a Q&A after.*

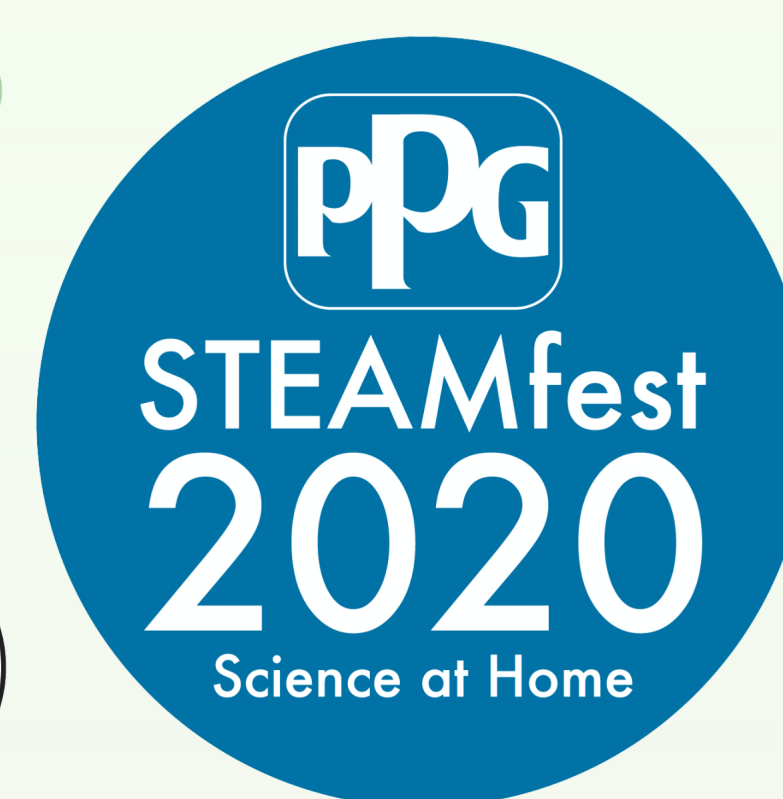
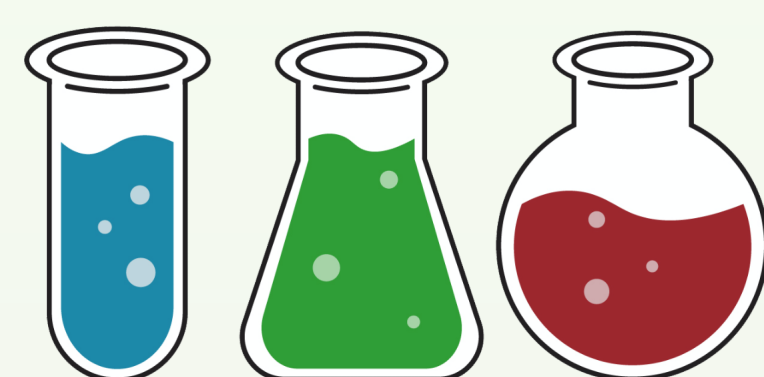
“Thomas Jefferson, Lewis & Clark and Mammoths”

📺 Online ⌚ Sat 4:00PM - 4:45PM CST

Presented by Joe Iaccuzo

The strange and interesting history of president Thomas Jefferson's obsession with prehistoric life and how it influenced his direction of the famed Lewis & Clark Corps of Discovery. *Stay after for a Q&A about the event and the Huntsville Science Festival!*

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