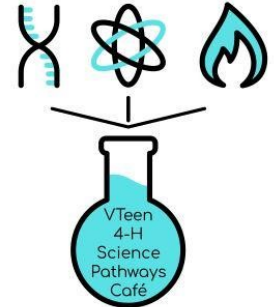




VTeen 4-H Science Pathways Café



Save the Dates!

University of Vermont, Davis Center, Mansfield Dining Room, 5-7 pm
FREE pizza and drinks
Open to all youth in grades 7-12; **registration required**
Registration will be available at www.uvm.edu/extension/youth/announcements
"Like" us @www.facebook.com/VTeen4HScienceCafe

FALL 2019

September 28: Between a Rock and a Soil Place

The "Critical Zone" is defined as the thin layer of Earth that supports most of life, which extends from the tops of the trees down to the water that runs through rock beneath our feet. What's going on under there, anyway? Soil is a building block of ecosystems, and it has a big influence on where we live and what we eat. This café will get you thinking about soil and earth materials in new way and introduce you to some of the unique challenges faced by interdisciplinary scientists.

Presenter: Jenny Bower, UVM PhD Student in the Plant and Soil Sciences

October 19: When Will I Know My Results?

Often behind the scenes, medical laboratory scientists are testing patient specimens to provide valuable results to their health care teams. These results are used to diagnose diseases, initiate or change treatment plans, monitor patients' health, or let them know they are okay. Come explore this broad field of biomedical science and engage in hands on activities to determine the diagnosis!

Presenters: Katrina Moreau, Clinical Assistant Professor, and Koela Ray, Senior Lecturer, Department of Biomedical and Health Sciences, UVM College of Nursing and Health Sciences

November 9: Infectious Diseases—How Do We Combat Them?

Combating infectious diseases is a collective effort. The process could take years, and requires hundreds of scientists, clinicians, technicians, public health officials and volunteers. In this café, we will take on the roles of these experts to explore what happen in the endeavor of combating an emerging infectious disease, from identifying the microbe that cause the disease, to treating infected individuals and developing strategies to protect the community. Put on you masks, goggles and gloves as we head out to trap wild life, alter the genetics of microbes, and implement public health programs to eradicate this infectious disease.

Presenter: Huy Tu, UVM PhD Student in Microbiology and Molecular Genetics

Cafes are more than just listening to a presentation.
All cafes include **hands-on activities** related to the topic.

- MORE ON THE BACK! -

What is a Teen Science Café? It is a free, fun way for teens to explore science, engineering and technology with local scientists, engineers and technology experts. Teens participate in informal discussions and hands-on activities to learn about different topics. And, there is always free food! Planned and run by teens for teens.

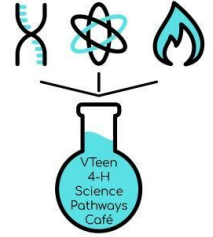
Questions? Contact lauren.traister@uvm.edu



www.uvm.edu/extension/youth



VTeen 4-H Science Pathways Café



WINTER 2019

February 8: Drones & Environmental Mapping

Learn about the work of the UVM Spatial Analysis Lab and how they use drones for environmental mapping.

Presenters: Jarlath O'Neill-Dunne, Director of the Spatial Analysis Lab and Faculty Research Associate in Rubenstein School of Environment & Natural Resources

SPRING 2019

March 14: TBA

April 11: 3... 2... 1... Liftoff!: Small Satellite Propulsion System

It's rocket science, miniaturized! Come discover the new frontier of space technology: small satellites, and the engines that propel them. We will explore how SmallSats are built and used, and how tiny propulsion systems are enabling new types of missions and enhancing current ones.

Presenter: Maddy Pomicter, Propulsion Engineer, Benchmark Space Systems

LEARN MORE



Café Follow-Up Workshops!!

Some of the café presenters will offer a follow up lab to go **more in-depth** on their topic. These will be offered only to teens who have participated in the café. There will be a first-come, first-served sign up after the initial café and will have limited spots available.

What is a Teen Science Café? It is a free, fun way for teens to explore science, engineering and technology with local scientists, engineers and technology experts. Teens participate in informal discussions and hands-on activities to learn about different topics. And, there is always free food! Planned and run by teens for teens.

Questions? Contact lauren.traister@uvm.edu



www.uvm.edu/extension/youth