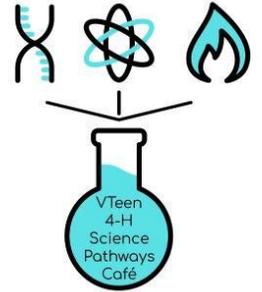




VTeen Science Explorations



Cafe Space: the Challenges of Building Systems for Space

Wednesday, October 14, 2020, 3:30-4:45 pm

Open to all youth entering grades 7-12 in VT and across the country!

Register@ www.uvm.edu/extension/youth/announcements

“Like” us @www.facebook.com/VTeen4HScienceCafe



Space is vast. Exploration of space is both intriguing and perilous, requiring a firm understanding of the space environment and the challenges associated with it. Everything from micrometers to radiation and thermal cycles pose unique challenges in how we explore the cosmos- limiting our engineering, robotic communication, and human capabilities. In this virtual Teen Science Café, John Holleran will talk about the science of the space environment and the limiting factors, tying the science in with the practical engineering of satellites and spacecraft. He will reference lessons learned from spacecraft, as well as mitigation and applications for the future. Participants will walk away with a better understanding of what space is like and find the topic more approachable.

ABOUT OUR SPEAKER

Having graduated with a bachelor's degree from Vermont Technical College (VTC) in May of 2020, **John Holleran** is pursuing a career in the space industry, applying knowledge of space to the engineering challenges of spacecraft. He recently worked virtually as an engineering intern at NASA's Glenn Research Center.

What is a Virtual 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 will “meet a scientist”, learn about their work, and be able to participate in informal discussions.

Questions? Contact lauren.traister@uvm.edu

To request a disability-related accommodation to participate in this program, please contact the 4-H Office at 802-888-4972 or lauren.traister@uvm.edu by September 23, 2020 so we may assist you.