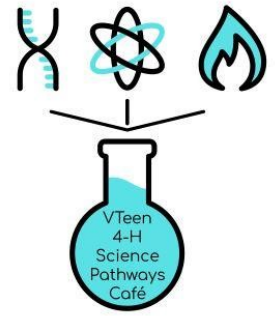




# VTeen 4-H Science Pathways Café



## Location Matters: The Power of GIS and Maps in Decision-Making

Saturday, November 10, 2018, 5:00-7:00 pm

University of Vermont, Davis Center, Mansfield Dining Room

FREE pizza and drinks; open to all youth in grades 7-12

Register@ <https://teensciencecafenov10.eventbrite.com> no later than November 7

“Like” us @ [www.facebook.com/VTeen4HScienceCafe](http://www.facebook.com/VTeen4HScienceCafe)



Have you ever used Google Maps to get directions to an unfamiliar place? Or have you ever looked at the weather radar to see if it might rain later? If so, you already know the power of GIS! Geographic Information Systems, or GIS, helps us to explore the fundamental principle of geography: location is important to our everyday lives. With GIS, we can combine the powers of geography and mapping to comprehend, visualize, and interpret data to study the world around us. These data help us to discover patterns, allowing us to better understand our world and make smarter decisions for our communities and our planet. Come to this café and learn about the art of cartography, the science of geography, and why maps are a valuable tool in making everyday decisions. Café participants will learn about real-world applications of GIS and participate in fun, hands-on activities that include making informative maps and using maps to make decisions.

**NEW THIS YEAR!** A follow-up workshop on December 1 from 1:00-4:00 pm will take place in the UVM Aiken Center Computer Lab to explore spatial analysis and map-making in ArcGIS software. This workshop will be available only to students who attend this café. There are enough computers for 30 students. Registration will open after the café.

### ABOUT OUR SPEAKERS

Jen Santoro is a third year PhD student in the Silviculture and Applied Forest Ecology lab at UVM’s Rubenstein School of the Environment and Natural Resources. Her research focuses on the effects of climate change, invasive insects, and natural disturbance on Vermont’s forests. She uses GIS and spatial models to predict how our forests might change in the future. Jen loves forestry because it allows her to be out in the woods, studying nature. She also loves GIS because of its wide range of applications and ability to communicate science through maps.

**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](mailto: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](mailto:lauren.traister@uvm.edu) by October 26, 2018 so we may assist you.*



[www.uvm.edu/extension/youth](http://www.uvm.edu/extension/youth)