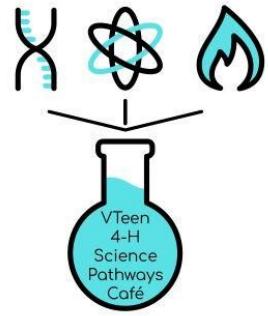




VTeen 4-H Science Pathways Café



Summer of Science 2020—Save the Dates!

Open to all youth in grades 7-12 unless noted; **programs are FREE except for NRMA; registration is required.**

Registration will open on March 15, 2020 at www.uvm.edu/extension/youth/announcements

All opportunities are held in Burlington unless noted otherwise.

"Like" us @www.facebook.com/VTTeen4HScienceCafe

Exciting Summer of Science Opportunities

Forest Bird Conservation with Aububon Vermont (June 29, 8:30 am—12 noon); 15 youth

The forests of Vermont are summer nesting habitat to a wide variety of migratory bird species. Join Audubon Vermont in an exploration of their forest bird conservation activities. Participants will start the day participating in Audubon's bird banding program where you'll get to see birds up-close and in-hand!! You will then spend time in the forest learning basic forest inventory skills and how to evaluate habitat quality. This program will take place in Huntington, VT. (*Note: in the event of severe weather, this program will take place on July 10.*)

Geology Rocks! (July 7, 9 am—4 pm); 15 youth

Ever wondered what a geologist does? Learn about the geological sciences with the Vermont Geological Survey and the UVM Geology department! The morning of this day-long workshop will be spent at the UVM campus exploring how a geological lab operates, what a student studies in the mineralogy classroom and current research happening at UVM. After lunch, participants will walk to the Salmon Hole on the Winooski River to discover ancient geological features along the shoreline, orient themselves on a geologic map and measure rock characteristics.

Microbes and Food (July 8 & 9, 12:30—4:30 pm); 15 youth

Have you ever gotten sick from bad food? Ever been curious why yogurt is so healthy, or why you shouldn't cut raw meat and raw veggies on the same board? Join Professor Andrea Etter and her students from the Food Safety Laboratory in the Department of Nutrition and Food Science at UVM to study microbes in food, around the kitchen, and beyond. Over two afternoons, you'll learn about the microbes in our food (both good and bad), how scientists detect and study them (and find some of your own), and what happens when there's a foodborne outbreak by doing a mock investigation.

- MORE ON THE OTHER SIDE -

Questions?

Lauren Traister,

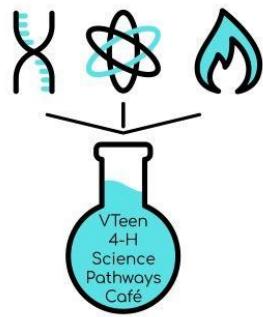
4-H Teen & Leadership Program Coordinator

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VTeen 4-H Science Pathways Café



Summer of Science 2020 Opportunities (continued)

Natural Resources Management Academy (July 17-19; overnight camp); 30 youth

In collaboration with Vermont Fish and Wildlife, this is a program for teens entering grades 7-10 who are passionate about the environment and ready to explore Vermont's natural resources in-depth. Experts from around Vermont lead workshops and skill-building activities. This program has a registration fee and takes place at the Green Mountain Conservation Camp in Woodbury, VT.

Science on Lake Champlain (July 23, 9 am—4 pm); 21 youth

Join Lake Champlain Sea Grant – UVM Extension staff aboard the UVM Research Vessel *Melosira* to learn about lake ecology and watershed science. Students will spend the morning deploying research equipment and collecting data. After returning to shore participants will go to the Rubenstein Ecosystem Sciences Laboratory teaching classroom for a program on fish dissection and microplastics. In the afternoon participants will paddle with staff from the Community Sailing Center and learn about citizen science efforts that help the lake ecosystem. You might even learn a thing or two about under-water archeology and geology!

Medical Forensics (July 27-29, 9 am—4 pm); 18 youth

If some of your favorite shows are HOUSE, CSI and Bones or you like to solve mysteries or do logic puzzles, then this 3-day camp experience is for you. Come work with experts in the field of Forensic Medicine to solve a medical mystery. Do hands-on experiments and work with your peers to uncover scientific information to figure out "Who Done It". This program is for youth entering grades 8-12 only.

TRY 4-H Science (team meeting April 25, 4-6 pm; training July 30 & 31, teaching Aug 3-7, all day)

Make a difference in your community this summer teaching kids about science! TRY stands for Teens Reaching Youth and it is a teen-led informal science education program focusing on physical, life and environmental sciences with an embedded workforce development component designed to engage younger youth in science exploration while giving teens the opportunity to gain science content and to develop workforce skills. Learn more at www.uvm.edu/extension/youth/announcements—applications are due by April 1, 2020.

- MORE ON THE OTHER SIDE -

Questions?

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