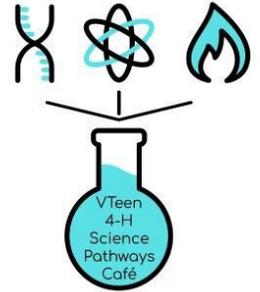




VTeen Science Explorations



Extreme Weather: The Climate Changes That We Feel

Wednesday, May 12, 2021, 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

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Floods are widely to be considered to be the most damaging and costly natural disasters worldwide. It is important to understand what drives flooding in the United States, and how we expect those drivers to change in the future. Climate change is expected to influence the occurrence of extreme weather events, and some of these changes can already be felt here in the Northeast. In my group, we use observations and climate models to look at extreme rain and extreme flooding in the past, present, and future. I also use a statistical model to better understand the relationship between

extreme rain and flooding, and how climate change influences the occurrence of these events. In this café, you will learn about how climate change influences extreme weather, and some of the computational tools that we use to figure this stuff out.

ABOUT OUR SPEAKER

Charlotte Cockburn is a graduate student at Dartmouth College in Hanover, New Hampshire. She works in the lab of Professor Jonathan Winter studying changes in extreme weather in the past, present, and future. She uses regional climate modeling and machine learning to investigate the relationship between extreme precipitation and extreme flooding. She completed her Bachelor of Science at McGill University in 2019. In her free time, she enjoys hiking, embroidery, baking, and skiing.

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 April 21, 2021 so we may assist you.