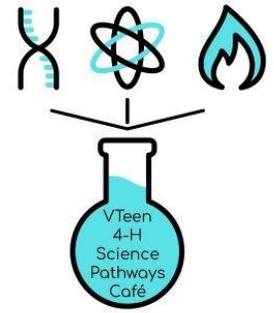




VTeen 4-H Science Pathways Café



How Energy Storage Works & Why It Matters

Saturday, February 2, 2019, 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://teensciencecafeFeb2.eventbrite.com> no later than January 30

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

Why is energy storage so important? Clean, renewable energy sources are needed to help create a sustainable society. They must displace our current dependence on oil, natural gas and uranium. But to be dependable, we need to create storage solutions so we can harness and store wind and solar energy until needed.



Come to this café and meet UVM’s Alternative Energy Racing Organization (AERO) team members. Discover the fascinating scientific discipline of electrical engineering, learn about the fundamentals of energy transfer, and explore how energy is stored and used in a variety of applications. Participants will rotate through multiple hands-on activities including building a battery, making an electromagnet, making wireless electricity, and more.

ABOUT OUR SPEAKERS

The Alternative Energy Racing Organization is a student-run club at the University of Vermont that designs and builds electric and hybrid vehicles to compete at Formula Hybrid, an international collegiate competition. They are undergraduate electrical and mechanical engineering students in UVM's College of Engineering and Mathematical Sciences. They apply skills they've learned in and out of the classroom to build race cars that are as fast as they are efficient.

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

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 January 18, 2019 so we may assist you.



www.uvm.edu/extension/youth