



VTeen 4-H Science Pathways Café



TEEN SCIENCE CAFÉ
NETWORK

It is Rocket Science: How to Design, Build, and Fly Homemade Rockets

Saturday, February 11, 2023, 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@ www.uvm.edu/extension/youth/announcements
"Like" us @www.facebook.com/VTeen4HScienceCafe



Have you ever wondered how rockets work, and what goes into designing them? In this cafe we will walk through basic principles and show you how to design your own functional model rocket from scratch!

Topics will include:

- The Rocket Equation
- Predicting Apogee
- Stability
- Launch Operations and Safety
- Recovery

This cafe is aimed at being accessible to a wide range of ages/experience levels. We will be illustrating the fundamental concepts in an approachable way and show how to proceed if you want to get into some more advanced areas. Basic materials for building model rockets will be provided.

ABOUT OUR SPEAKER

Jeff Gibson is the Deputy Chief Engineer at Benchmark Space Systems. He has a master's degree in Aerospace Engineering and 15 years of experience in the aerospace industry. His expertise is in developing propulsion and guidance systems for suborbital and in-space applications. Jeff enjoys teaching science and engineering concepts and getting the next generation of rocket scientists excited about the field.

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 no later than January 20, 2023 so that we may assist you.



www.uvm.edu/extension/youth