

NEW! NEW! NEW! NEW! NEW! NEW!



Remember that kid - Milo Cress?

The 9 year-old **from Essex, VT** that started the “Be Straw Free” campaign, who may have influenced your use of plastic straws.

Or Greta Thunberg, who at age 15 attracted global attention for climate activism.

Join Green Up Vermont for an event that is science fair meets innovation challenge with an environmental focus, creative encouragement and outcomes that could have a real impact for our planet.

- Green STEM invites **Vermont students in grades 7-12** to investigate topics that have impact on our environment and challenge teams to bring innovative ideas and solutions forward. We can provide **a list of prompts** if you need a little inspiration.
- **Green Up Vermont will give each team \$100** to assist with incidentals and supplies for their focus project and to help with transportation to the event. **Due to funding limits we need to limit the number of teams per school to five which may be incentive to vet student entries or encourage larger team efforts.**
- Green Up Vermont will try to pair each team with a **corporate subject matter expert as a mentor guide** if the team desires.
- Each team will **need an advisor** who can assist with onsite needs.
- Each participant will receive a **green STEM t-shirt**.
- There will be **cash prizes for the top three winners** which will be chosen at a culminating event which will happen in May, (location, date & time TBD).

Third Place = \$250 Second Place = \$500 First Place - \$1,000

- Plaques will also be awarded to the schools of the top three winners for support of their students. There will also be publicity around the event and work being done.
- **Project sign up due by March 30, 2026 - Completed for event in May**
- **Requirements of Project include** live presentation display at event, video of presentation, report with evidence support. Projects judged on uniqueness of topic, presentation, evidence & source documentation, and projected outcomes.

SCIENCE TECH ENGINEERING MATH MARKETING

Interested? 802-522-7245 or greenup@greenupvermont.org for more details, prompt list and to sign up. greenupvermont.org



TOPICS FOR THOUGHT

Just a few seed ideas to get students and advisors thinking about some of the topics the world faces today and issues that need problem solving. Spark some creative thinking and we may just save the planet!

If All Trash Bags Were Made From Recycled Content: Some big math to do here. Research bag usage. How much recycled content we would need to make all bags.

Green = White: Climate impact on snowfall and our winter economy.

What To Do With Recycled Tires: Vermonters experience two cycles a year of tire change over - eight tires per car. Could the life span of a tire be made to last longer? Overall quantities/year. How much artificial turf is that? What other uses are there?

Fast Fashion: Recycling textiles. Why are clothes not meant to last? Redesign fashion.

Butt Pick Up Programs: The impact of tiny butts, the most littered item in the world.

Vermont Waters Flow To The Ocean: Follow the flow and the break down in between. What does trash in our waterways do to the environment?

Marketing & Engineering To Save The Planet:

- Program Engineering – TV, Radio, communication is key
- Package Engineering – better package design
- Mechanical Engineering - better product manufacturing design
- Computer & Technology Engineering - App to spread the word
- Civic Engineering - better building and infrastructure

Flash Flooding And The Power of Water:

Why does flash flooding happen. What can we do to combat the devastation?

How Much Does Efficiency Affect Climate:

Where does global warming start? Is there an easy action every person could take?

New Uses For Common Materials:

Develop a new product from recyclables or by-products.

The Effects Humans Have On Nature: What should the next generation know about our natural habitats in order to protect them?

Disposable History: How the human race came to rely on “convenience” packaging. Perform a waste study in your school. How much could be eliminated?

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