

GREEN SCHOOL ENERGY CHALLENGE STARTS OCT 25, 2018

Project-based learning in NGSS for VT & NH teachers of grades 5–12 | 2018/19

The Green School Energy Challenge (GSEC) is a professional learning program in which VEEP or NHEEP provides curriculum resources, equipment, and technical and educational support to teachers who commit to undertaking projects designed to reduce carbon emissions. This academics-to-action program bridges science and engineering with social aspects of addressing climate change, saves money for communities, and empowers youth. Teachers are strongly encouraged to sign up for this program in teams from the same school.

GRADES 6–12: STEM To take part in this program, teachers must commit to undertake at least one project that will use scientific analysis and data-based decision-making to save electric, thermal, or transportation energy at the school, in students' homes, or in the community.

GRADES 5–6: STEAM The STEAM engagement strand is specifically designed for teachers of younger grades, with less emphasis on data and analysis and additional arts and social studies integration. To take part in this program, a teacher must commit to undertake at least one grade-appropriate project that will raise awareness of energy use and save electric, thermal, or transportation energy at the school, in students' homes, or in the community.



TEACHERS WILL BE SUPPORTED BY VEEP STAFF THROUGH:

- One in-person meeting day: October 25, 2018. This day will offer opportunities for both new and returning teachers. Teachers are invited to bring their project ideas and will leave with concrete standards-aligned lesson ideas and steps for their project.
- Additional after-school meetings of teachers and VEEP/ NHEEP staff to share ideas and resources, which can be joined in person or virtually.
- VEEP/NHEEP staff will be available to support curriculum, student learning, and classroom/school projects.
- Teachers will receive free use of two VEEP curriculum support kits during the school year, with additional kits at half price.

GRADUATE CREDIT & PD HOURS

Teachers can choose whether to take this program for:

- Two graduate credits: \$750 per teacher
- 15–30 PD hours: \$350 per teacher

Teachers taking this course for graduate credits will produce a sequencing plan, lesson plan, or unit plan that can be shared with other teachers undertaking similar projects.

Scholarships are available for individuals or teams of teachers; contact info@veep.org if a scholarship is necessary for you to participate in this program.

About the Vermont Energy Education Program

VEEP has provided teacher professional learning opportunities through Summer Institutes and one-day workshops for more than two decades. VEEP instructors bring a deep experience with the Next Generation Science Standards, and an understanding of the multiple competing demands on teachers' time to these trainings. Teachers will be supported in bringing hands-on, NGSS-aligned, energy or climate units to their students.



VISIT US AT VEEP.ORG



Registration Form

Registrations will be accepted on a rolling basis.

School: _____

School mailing address: _____

Town: _____ State: _____ Zip: _____

How/where did you learn about this program? _____

Team members

Name: _____

Name: _____

Position: _____ Grade(s): _____

Position: _____ Grade(s): _____

E-mail: _____

E-mail: _____

Phone: _____

Phone: _____

Name: _____

Name: _____

Position: _____ Grade(s): _____

Position: _____ Grade(s): _____

E-mail: _____

E-mail: _____

Phone: _____

Phone: _____

Payment

registration for **two graduate credits**

of team members _____ total
_____ @\$750.00/each = _____

registration for **15–30 PD hours**

_____ @\$350.00/each = _____

Total enclosed: (payable to VEEP) \$ _____

I require a written receipt for my payment

Return completed form with your check to: **VEEP, 79 River Street, suite 303, Montpelier, VT 05602**

You can also **register online at veep.org/teacherPD**. Payment by check is preferred; contact us if you need a PayPal link to pay by credit card.

Financial assistance is available. Please contact us for more information.