



Three-Dimensional Teacher Learning Teams

Energy and climate in NGSS for teachers of grades K–12 | spring 2017

Three-Dimensional Learning on Energy and Climate in NGSS is a professional development program for teachers that integrates energy literacy, engineering design, and the three-dimensional learning of the Next Generation Science Standards (NGSS).

VEEP recognizes the curricular and instructional shifts that need to happen with the adoption of NGSS and, in response to teachers' needs, has developed this course to help teachers create three-dimensional learning opportunities using energy as the core disciplinary idea. The programming is dynamic and responsive to teachers' classroom needs, and includes deep exploration of the three dimensions of NGSS, individualized classroom support, and follow-up training on planning and assessing energy lessons/units using the EQuIP Rubric.

This course uses a constructivist, NGSS-based approach of hands-on, minds-on learning activities followed by action inquiry and reflective discussions. It is customized to the needs of the teacher with VEEP educators working one-on-one or in small groups with participants. The goal is to provide each participant with experiences as learner/teacher using guided discovery, hands-on inquiry explorations, co-teaching, and deep dives into energy core ideas that enable them to build concepts about energy content and best teaching practices.

TEACHERS WILL BE SUPPORTED BY VEEP STAFF THROUGH:

- One all-day meeting during the school week.
- Three additional meetings in person or virtually to share ideas and resources, 3:30–5 p.m.
- One final after-school session from 4:30–6:30 p.m.

TEACHERS WILL RECEIVE:

- Free use of two VEEP curriculum support kits during the school year, and additional kits at half price.
- Two free VEEP in-class workshops per class that they teach.

GRADUATE CREDIT & PD HOURS:

Teachers can choose whether to take this course for one graduate credit (\$250 per VT teacher, \$750 per NH teacher), or for 15 PD hours (free for VT teachers or \$500 for NH teachers). Scholarships are available. More details at veep.org.

SCHEDULE: BENNINGTON, VT

- All-day, in-person meeting in Bennington, VT, on Wednesday, February 15, 2017, 9 a.m.–3 p.m.
- Three follow-up, virtual meetings on Wednesdays: March 8, March 29, and April 12, 3:30–5 p.m.
- On-site final sharing meeting in Bennington on Wednesday, May 3, 2017, 4:30–6:30 p.m.

Teacher Learning Teams Registration Form



School: _____

School mailing address: _____

Town: _____ State: _____ Zip: _____

How/where did you learn about this training? _____

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

number of team members

registration for **one graduate credit, Vermont:** \$250 _____

registration for **one graduate credit, New Hampshire:** \$750 _____

registration for **15 PD hours, Vermont:** FREE! _____

registration for **15 PD hours, New Hampshire:** \$500 _____

Total enclosed: (payable to VEEP) \$ _____

I require a written receipt for my payment

I require an invoice

Return completed form with your registration fee to: **VEEP, PO Box 1364, Montpelier, VT 05601**

You can also **register online at veep.org** (go to the Teacher Resources menu and choose Teacher Professional Development)

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