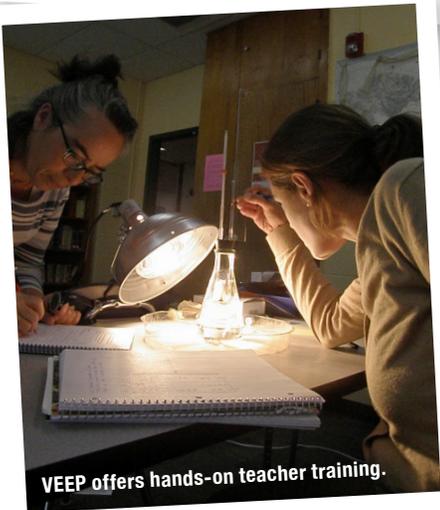


Climate Change

Understanding & Engagement



VEED offers hands-on teacher training.

This curriculum, created for science teachers in grades 6-8,

is an integrated, hands-on, evidence-based approach where middle school students practice the process of science and see examples of how data is used to reach a scientific conclusion. The curriculum is divided into four coherent sections — engaging students in climate change, carbon emissions and human activity, making meaning through models, and working towards a solution.

During professional development, teachers work through VEED's *Climate Change: Understanding and Engagement* resource guide allowing them to plan a unit ranging from four to ten weeks. The content, lesson plans, and kit provide students with learning experiences that enable them to:

- Apply scientific principles to climate change.
- Support arguments and explanations with multiple sources of relevant and valid evidence.
- Use and construct different models and apply them in appropriate situations to describe or illustrate climate change phenomena.
- Identify and clarify questions about climate change.
- Specify relationships between variables and decipher cause and effect relationships in a system.
- Describe stability, change, and feedback mechanisms.
- Design and evaluate solutions that reduce the impact of climate change.

Three middle-school NGSS standards are explicitly addressed in this curriculum, ESS3-3, ESS3-4, and ESS3-5, in disciplinary core ideas, practices, and cross cutting concepts. The lessons also consider a cross-curriculum team approach that includes teachers of other subjects such as language arts, mathematics, drama, and social studies, and the inclusion of Common Core standards.

Teachers are encouraged to invite VEED into their classrooms to help kick off the curriculum with our Modeling Climate Science workshop. In addition, VEED's Green School Energy Challenge can be used as an extension, providing both learning opportunities for data analysis and community action.

Contact us at info@veep.org or 802-552-8450 for more information on bringing this curriculum into your classroom.