



Learning activities and tools for teaching Global Climate Change through student-centered explorations

Middle School Science Teachers Participate in a Climate Change Workshop Hosted by the Ecological Society of America

Sunday, 6 August 2017, 8-11:30 AM, Oregon Convention Center

Learn how to guide your students in exploring causes of global climate change and real-world mitigation strategies in your own science classroom.

Scientists and peers will guide teachers in helping students weigh the evidence of past and current climate change, focusing on Oregon's wild, rural and urban ecosystems.

Learning Outcomes in your Classroom

Learning outcomes	Science Practices
<u>Understand causes of past and current climate change</u>	Map climate trends on the geological time scale to comprehend the natural phenomena that have changed climate in the past
<u>Think like a climate scientist:</u> Models are powerful tools for forecasting rate and impacts of climate change.	Create and manipulate a model of the greenhouse effect to simulate changes to the earth's climate system using a Unit Challenge Model and Argument Organizer.
<u>Plan like an engineer:</u> Master use of decision matrices to weigh pros and cons of mitigation scenarios.	Investigate the negative effects of current climate change on Oregon's urban and rural communities and construct alternative scenarios to reduce these impacts.

Go beyond the hype with the ESA

Cost: \$100

Deadline for registration: June 5, 2017

ALL FEES AND MATERIALS INCLUDING LESSON RESOURCES FOR YOUR CLASSROOM WILL BE COVERED FOR UP TO TEN APPLICANTS!!!

Contact Dr. Candi Galen at: galenc@missouri.edu for an application form .