

FREE

ECO₂school Guest Speaker

Climate Literacy

The essential principles of climate science

Principles in this presentation can serve as a discussion starter or a launching point for scientific inquiry.

A great way to meet content standards in your science curricula

Linked to CA State Science Standards
National Science Education Standards (NSES) and
American Association for the Advancement of Science (AAAS)
Benchmarks for Science Literacy



We support you in helping your students understand their influences on climate and climate's influence on them and society.

To schedule your **FREE** presentation contact Amy Jolly at 525-1665 x119 or eco2school@climateprotection.org



Curriculum Unit Climate Literacy

Climate Science Literacy is education about the interdependence of people and climate. A climate literate person:

- Understands the essential principles of Earth's climate systems
- Knows how to assess scientifically credible information about climate
- Communicates about climate and climate change in a meaningful way
- Is able to make informed and responsible decisions with regard to action that may effect climate

Standards:

ESS3C. HUMAN IMPACTS ON EARTH SYSTEMS When the source of an environmental problem is understood human activities can be regulated to mitigate global impacts.

ESS3D. GLOBAL CLIMATE CHANGE Science and engineering are essential to understanding the possible impacts of global climate change and to informing decisions about how to slow its progress and impacts.

Lessons:

1. Guest Speaker Presentation: The essential principles of climate science. The principles taught in this presentation serve as a discussion starter or a launching point for scientific inquiry unit on global climate change and the human impacts on earth systems

2. Literature Review: Students read current event articles and information related to climate literacy and participates effectively in collaborative discussions with diverse partners building on others' ideas and expressing their own clearly and persuasively. [CCSS.ELA-LITERACY.SL.9-12.1](#) (follow up homework assignment)

3. Calculate Your Commute Carbon Footprint: In Sonoma County, transportation is the primary source of greenhouse gas emissions such as carbon dioxide (CO₂). In this activity, students determine their “commute carbon footprint” and analyze how that footprint might change using different modes of transportation.

4. Essay Students Are Making a Difference: In this activity students use the Internet to find an example of a project led by peers and learn how they reduced their schools' carbon footprint. They then write a short essay and share it in class presentations (follow up homework assignment).

Additional supplemental materials are available upon request.