# Climate Change in the FOSS PK-8 Science Program,

developed at the Lawrence Hall of Science, UC Berkeley

#### **Grades PK-2**

Learn about animals and their habitats, plants and trees, and weather and water. Learn about and have experiences with natural resources including water, trees, and soil.

Study science outdoors, develop appreciation of science as a way to understand the natural world.

## **Grades 3-5**

Learn about climate change and explore paleoclimatology, environmental changes, components of air, and change in CO<sub>2</sub> concentrations. Study alternative sources of energy and consider what students can do to reduce use of fossil fuels.

Learn the science behind climate change and understand evidence for it.

## **Grades 6-8**

Learn the details of the science of climate change, understand evidence for it, and develop and evaluate possible solutions.

#### **Grade 6**

transfers in the atmosphere associated with increased levels of CO<sub>2</sub>. (WW)

Analyze media representation of climate change and compare it to scientific evidence. (WW)

Consider impact of climate change upon living organisms. (DOL)

#### **Grade 7**

Analyze case studies of environments impacted by human resource use, including climate change impact, with a focus on solutions and restoration through environmental engineering.

(PE + EH)

#### **Grade 8**

Learn about the
Anthropocene and
complete a Keystone Project
focused on human impact to all
of Earth's systems. (HA)

Explore alternative energy sources in greater depth. (EF)