

Carbon Capture Experiment

Classroom Lesson Plans and Activities

Classroom Activity “How Carbon Capture Works”

Science Grades 5-7

Visit the How Stuff Works Website and read the “How Carbon Capture Works.” Students can be assigned partners or small groups to read each of the articles and present the information to the rest of the class. Follow with discussions.

<http://science.howstuffworks.com/carbon-capture.htm>

Lesson Plan “Carbon - Is Too Much of a Good Thing Bad”?

Science Grades 6-8

Standards included.

Through the activities in this lesson, students will become familiar with the carbon cycle, the greenhouse effect, and the various ways governments and their people are striving to minimize the negative affects of too much carbon.

<http://www.lpb.org/education/classroom/itv/envirotacklebox/nttifiles/6qdCarbon.html>

Lesson Plan “Inspiring Change –at home and at school”

Science, Social Studies, Mathematics, Language Arts Grades 3-7

Standards included.

Students review the causes and effects of greenhouse gases and carbon emissions, and then look at energy use and conservation practices in their homes and at school. This lesson includes activities that offers students the opportunity to develop a plan to conserve energy and/or reduce carbon emissions.

http://www.climatechangenorth.ca/section-LP/LP_21_IP_S_rantinraven.html

Lesson Plan “Turn off your Engines”

Science, Social Studies, Mathematics, Language Arts Grades 5-8

Standards included.

Students analyze data provided in this lesson or collect and analyze their own data from a survey of idling vehicles in community. Then they develop a campaign to reduce idling and lower carbon emissions from vehicles in their community.

http://www.climatechangenorth.ca/section-LP/LP_16_HI_S_idling.html