



LESSON PLAN: Are the World's Weather and Climate Changing?

Project Guidelines

Working in pairs or small groups, you will complete a weather project assigned by the teacher. Several helpful websites are listed below.

Once your research has been completed, create a project that can be used to teach your classmates about the topic you learned about. You will be assuming the role of “teacher for a day” and will use your project to teach your classmates about what you have learned.

You will need to have some sort of activity for classmates to participate in to ensure that they have learned the information you have presented. Some things you might do to create interest in your topic and involve students could include:

- having classmates view and/or conduct experiments related to your topic
- having classmates play a game that will illustrate what they have learned about the topic you have presented
- administering a short quiz over what you have presented to see how much classmates have understood and retained about your topic
- providing classmates with an activity that encourages them to be informed about and/or involved in activities related to creating awareness about your topic

All members of your pair/group must be involved in “teaching” the class and should be available to assist classmates as they complete the activity related to your topic.

Online Resources

Hurricanes Mark Unusual Spike in Already Active Storm Cycle

http://www.pbs.org/newshour/updates/hurricanes_09-23-05.html

Global Warming

http://www.pbs.org/newshour/extra/features/jan-june01/global_warming.html

Strange Days on Planet Earth: The One Degree Factor

<http://www.pbs.org/strangedays/episodes/onedegreefactor/>

What's Up With the Weather: Frequently Asked Questions

<http://www.pbs.org/wgbh/warming/etc/faqs.html>

The Old Farmer's Almanac

<http://www.almanac.com/weathercenter/>

NOAA Issues Final 2005-2006 U.S. Winter Outlook

<http://www.noaanews.noaa.gov/stories2005/s2534.htm>

Global Warming—Behind the Headlines

http://www.scenta.co.uk/scenta/features.cfm?cit_id=2678&lan_id=1&FAArea1=customWidgets.content_view_1,

The Online Tornado FAQ

<http://www.spc.noaa.gov/faq/tornado/#About>

National Hurricane Center: Hurricane Research Division: Frequently Asked Questions

<http://www.aoml.noaa.gov/hrd/tcfaq/tcfaqHED.html>

Climate Study Predicts Dire Events

<http://usgovinfo.about.com/cs/technology/a/climatestudy.htm>

Climate Timeline

<http://www.ngdc.noaa.gov/paleo/ctl/10.html>

The Greenhouse Effect

http://www.fsl.noaa.gov/visitors/education/climgraph/CG_Figure_15a.gif.html

Hurricanes

<http://www.weatherwizkids.com/hurricane1.htm>

Global Climate Change

<http://www.ncdc.noaa.gov/oa/climate/climateextremes.html>

Global Warming: Frequently Asked Questions

<http://www.ncdc.noaa.gov/oa/climate/globalwarming.html>