

## Climate Resources and Websites for the Classroom

### NOAA climate information Web site

<http://www.climate.gov/#education>

### Climate Literacy Principles and professional development

<http://oceanservice.noaa.gov/education/literacy.html>

<http://oceanservice.noaa.gov/education/pd/climate/>

[http://oceanservice.noaa.gov/education/pd/oceans\\_weather\\_climate](http://oceanservice.noaa.gov/education/pd/oceans_weather_climate)

### NOAA Climate Education Resources

<http://www.education.noaa.gov/Climate/>

<http://oceanservice.noaa.gov/education/discoverclimate/>

### Climate Literacy and Energy Awareness Network Clearinghouse

<http://cleanet.org/>

### Assessment and Impact Reports from the United States Global Change Research Program

<http://www.globalchange.gov/resources/reports>

### Climate Change Wildlife and Wildlands Toolkit

<http://globalchange.gov/resources/educators/toolkit>



### United States Department of Agriculture Forest Service

Climate Change Education Resources <http://tinyurl.com/4l37zzh>

Natural Inquirer <http://www.naturalinquirer.org/>

Job Corps Climate Change Curriculum <http://tinyurl.com/49bxwjd>



### EPA Climate Change Resources

<http://www.epa.gov/climatechange/>

### Coral Reef Ecosystems and Climate Change

<http://coralreef.noaa.gov/threats/climate/>

### NASA Climate interactives, images, quizzes, data, videos

<http://climate.nasa.gov/>

**GLOBAL CLIMATE CHANGE**  
Vital Signs of the Planet





## Climte Change Education for Sustainable Development at UNESCO

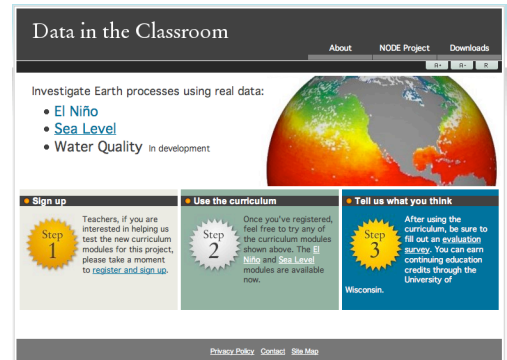
<http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development/climate-change-education/>

### Climate and Earth Science Lesson Plans

<http://oceanservice.noaa.gov/education/lessons/welcome.html>

Investigate Earth processes using real data: <http://www.dataintheclassroom.org/>

- [El Niño](#)
- [Sea Level](#)
- [Water Quality](#)
- [Ocean Acidification](#)



### Estuaries: Real-time data, curriculum and climate resources

<http://epa.gov/cre/>

<http://estuaries.noaa.gov/>

**National Climate Data Center:** The World's largest archive of weather and climate data.

<http://www.ncdc.noaa.gov>

### NOAA's Paleoclimatology Web Site

<http://www.ncdc.noaa.gov/paleo/paleo.html>

**Earth Labs: Use satellite imagery, numerical data, and computer visualization software to explore Earth system processes.**

Corals <http://serc.carleton.edu/earthlabs/corals/index.html>

Drought <http://serc.carleton.edu/earthlabs/drought/index.html>

**Upcoming and Archived NSTA Climate Web Seminars:**

<http://tinyurl.com/6yzsxc>

**U.S. Fish and Wildlife: Conservation in a Changing Climate**

<http://www.fws.gov/home/climatechange/>



**NOAA Climate Connection** is a monthly e-newsletter for increasing climate literacy and communication capacity for NOAA personnel and partners. For subscription requests, write to: [NOAAClimateConnection@noaa.gov](mailto:NOAAClimateConnection@noaa.gov).

## **Climate.Gov**

<http://www.climate.gov/>

Timely and authoritative scientific data and information about climate. Teaching Climate section includes a search engine of the reviewed CLEAN collection.

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## **Ten Signs of a Warming World Poster and Interactive**

<http://climate.noaa.gov/warmingworld/>

## **Windows to the Universe Web Site – Resources on Climate Change – Also In Spanish!**

<http://www.windows2universe.org/earth/climate/climate.html> For the general public, students, and teachers by the [National Earth Science Teachers Association](#).

**Investigate Earth processes using real data:** <http://www.dataintheclassroom.org/>  
[El Niño](#), [Sea Level](#), [Water Quality](#), [Ocean Acidification](#), [Coral Bleaching](#)

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<http://oceanservice.noaa.gov/education/discoverclimate/>

## **Discover Your Changing World with NOAA Activity Book**

<http://oceanservice.noaa.gov/education/discoverclimate/welcome.html>

## **The Natural Inquirer – Climate Change Edition**

<http://www.naturalinquirer.org/Climate-Change-Edition-i-29.html>

Produced by the United States Forest Services

## **Diving Deeper: Preparing for Climate-Related Impacts**

<http://oceanservice.noaa.gov/podcast/nov10/dd110410.mp3>

Podcast from NOAA's National Ocean Service looks at climate change and climate variability and ways we can prepare for climate-related impacts.

**National Ocean Service Education Web Site, Teacher Professional Development, Climate Resources.** (<http://oceanservice.noaa.gov/education/pd/climate>)

Especially note resources under the **Teaching Climate** Tab from past NSTA Climate Symposia including:

- **Earth Science and Climate Misconceptions**
- **Climate Change of the Past**
- **State of Climate Knowledge**
- **Human Health Perspectives**
- **Climate Change Impacts**
- **What You Can Do**

**Ocean Today Video Collection** features short high interest vignettes of ocean and climate stories. <http://oceantoday.noaa.gov/>

### **Climate Adaptation Mitigation e-Learning (CAMEL)**

<http://www.camelclimatechange.org/>

<http://www.camelclimatechange.org/topics/view/66059/>

CAMEL is a free interdisciplinary, online resource for educators with access to vetted, teaching materials about climate change, adaptation, mitigation and possible solutions to limit its impact.

### **Climate Hot Map from the Union of Concerned Scientists**

<http://www.climatehotmap.org/>

The site provides an interactive list of “hot spots” around the globe, allows you to view direct impacts of global climate change, and find solutions

### **Earth Labs – Drought**

<http://serc.carleton.edu/earthlabs/drought/index.html>

### **Earth Gauge Online Courses/Tutorials**

Earth Gauge provides a series of free, online courses and training materials that address the connections between weather and environment.

<http://www.earthgauge.net/meteorologists/courses>

**Climate Adaptation Knowledge Exchange (CAKE)**, <http://www.cakex.org/>

**Climate Wisconsin: Stories from a State of Change**, <http://climatewisconsin.org>

**Global Climate Change Learning Modules from the Association of American Geographer's**, <http://globalgeography.aag.org/GlobalClimateChange1e/index.html>

Module from the Association of American Geographer's Center for Global Geography Education examines how climates have changed historically, and how the climate is currently being influenced by the activities of humans.