

# A Climate Change Professional Development Institute For High School and Middle School Teachers



## Eco-Schools USA Climate Change Connections (CCC)

### CCC Partner Organizations



LaRC POWER Program



### What is CCC?

The National Wildlife Federation (NWF) has joined forces with NASA and our collaborating partners (see sidebar) to develop a sustained professional development opportunity for middle and high school educators that utilizes our Eco-Schools USA framework and NASA resources, data, and tools to create a comprehensive program:

#### *Eco-Schools USA Climate Change Connections (CCC)*

This program is designed with a strong programmatic focus on the development of STEM skills and knowledge for students and utilizes authentic data to help students understand the complex issue of climate change and to encourage the application of their knowledge through innovative climate change solutions for their schools and local communities.

During the professional development institute, which will be held in Washington D.C., you will be exposed to and learn from NASA and NWF earth science researchers and scientists as well as be provided with opportunities to participate in citizen science and local field trips, and spend 3 full days learning about the CCC curriculum and how to implement it in your classroom.

During the Institute you will have time to plan your strategy for utilizing this curriculum in your school and learn the latest technology applications. You will also become part of a network of educators both nationally and internationally piloting this program and providing NWF and our partners with important feedback and support.

**Science on a Sphere:**  
Mission satellite datasets  
displayed in 3D



**Application Deadline: Friday, April 29, 2011**

[www.eco-schoolsusa.org](http://www.eco-schoolsusa.org)

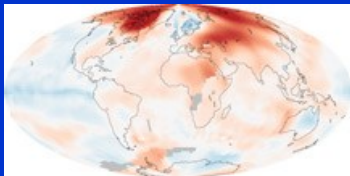
A sample lesson can be found at [www.nwf.org/nasaconnections](http://www.nwf.org/nasaconnections)

## Institute Dates and Location

Begins: 8 a.m.—Wednesday 7/27/11

Ends: 3 p.m.—Friday 7/29/11

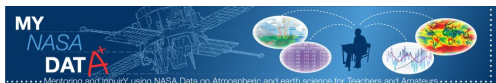
Location: Washington, D.C.



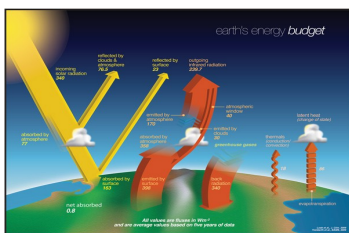
## What You Will Gain Attending This Professional Development Institute?

- 3 days of **free** professional development in D.C.
- Free travel and meals during PD institute
- Stipend for school substitutes
- CCC comprehensive curriculum
- Exposure to authentic NASA data and programs
- Learn from NASA and POWER scientists and educators
- Ongoing support and help from project partners
- Participation in the international and national Eco-Schools program network

### Unit I: An Introduction to Eco-Schools and NASA Data



### Unit II: Factors Influencing Temperature



### Unit III: How Climate Change Affects Natural and Human Systems



### Unit IV: Energy and Tools of the Trade



### What is Eco-Schools USA?



**Eco-Schools USA**  
[eco-schoolsusa.org](http://eco-schoolsusa.org)

**NATIONAL WILDLIFE FEDERATION®**

NWF's Eco-Schools USA program is aimed at helping U.S. K-12 public, private and charter schools green the school grounds, building, curriculum and student experience.

Through school-based action teams of students, teachers, administrators and community volunteers, schools follow a seven-step framework to assess and analyze their environmental footprint and develop an action plan for reducing their impacts. Eco-Schools USA is part of the acclaimed international Eco-Schools program. Created in 1994, Eco-Schools is now in 51 countries, reaching 38,000 K-12 schools, over 600,000 educators, and more than 10.5 million students.

[www.eco-schoolsusa.org](http://www.eco-schoolsusa.org)

### What is expected of participants?

- Register as an Eco-School with NWF
- Attend the CCC Professional Development Institute
- Participate in online **pre-institute training**
- Implement CCC curriculum in your school during 2011-12 school year
- Implement Eco-Schools USA seven step framework and Climate Change/Energy pathways
- Participate in ongoing program evaluation and support.

If you have specific questions or want additional information, please contact:

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To apply online go to:

<https://www.surveymonkey.com/s/STLFFF7>