



## Distance Learning Education Programs

Do you live hundreds or thousands of miles away from Grand Canyon and wish you could bring your class to Grand Canyon? Why not let Park Rangers bring Grand Canyon to your classroom?

The Environmental Education staff at Grand Canyon National Park has the capability to conduct interactive classroom visits over the Internet through distance learning video conferences. Schools with video conferencing equipment dial the park's IP address (75.160.23.230) 15 minutes prior to the start of the program.

If your school only has the ability to connect through Skype, we can offer the *Ask a Ranger* program. All other programs require video conferencing equipment.

Our programs are **curriculum-based** (designed to meet Arizona state teaching standards) and are appropriate for a variety of age ranges. The programs are **free** and a great way to introduce your students to this amazing national park and to a variety of scientific studies.

Teachers participating in videoconference programs can access background information and teaching materials at [www.nps.gov/grca/forteachers](http://www.nps.gov/grca/forteachers).

*A test connection can be arranged before your scheduled presentation.*

### **Who Lives in a National Park? (Grades pre-school and kindergarten)**

This program introduces students in pre-school and kindergarten to the differences between pets and wild animals. Students learn about some of the wild animals who live at Grand Canyon. (30-45 minutes)

### **Ancient Life (Grades 2-5)**

Students make inferences about the ancient animals found in the fossil record at Grand Canyon based on the evidence presented to them. Students will also learn about the ancient environments in which these animals lived. (30-45 minutes)

### **Layers in Time (Grades 3-7)**

Students learn the geologic story of Grand Canyon by focusing on principles of deposition, plate tectonics, down-cutting and erosion. This hands-on distance learning program connects students to past environments, the Colorado Plateau, and the powerful force of the Colorado River. (60 minutes)

### **Canyon Connections (Grades 4-8)**

This program focuses on animal and plant adaptations while introducing some of the amazing creatures that call Grand Canyon home. Students learn about the five diverse ecosystems found at Grand Canyon and the unique interrelationships found within them. (60 minutes)

### **Ask a Ranger (Grades K-12)**

Students prepare thoughtful questions ahead of time and spend a half hour with a ranger discussing Grand Canyon ecology, geology and human history. Students have a chance to connect with rangers at Grand Canyon. (30 minutes)



## Distance Learning Education Programs 2010-11 School Year

### HOW TO REGISTER:

**Registration begins 7:00 a.m., Wednesday, September 8, 2010.** Spaces are limited and registration is handled on a first-come, first-served basis.

**To obtain a registration form, do one of the following:**

- Download a form by going to <http://www.nps.gov/grca/forteachers/distancelearningopportunities.htm>
- Contact our office to have a hard copy mailed or faxed to you (see below contact information)

Complete the form and send it back to us by fax or mail.

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**SCHEDULE FOR THE 2010-2011 SCHOOL YEAR:** (programs only available Monday – Friday during the below dates)

- November 29 – December 10, 2010
- January 10 – 14, 2011
- February 21 – March 11, 2011

NOTE: Please be aware that Arizona is on Mountain Standard Time year-round, and does not follow daylight savings time changes. From mid March to early November we observe the same time as Pacific Daylight Savings Time. November through March we are equivalent to Mountain Standard Time. This time difference may factor into the number of classes we can provide during your school day.

**Programs cannot start any earlier than 8:00 a.m. Mountain Standard Time. Please list all times on registration form in Mountain Standard Time format.**

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### FOR ADDITIONAL INFORMATION, CONTACT:

Grand Canyon National Park  
Environmental Education Program  
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Grand Canyon, AZ 86023

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