



## North Rim Field Trip Programs and Classroom Visits 2011–2012

National Parks are outstanding outdoor classrooms that can support and enhance your learning objectives in the classroom. The Environmental Education staff at Grand Canyon National Park provides curriculum-based education programs that use this remarkable resource as a teaching tool for a variety of disciplines.

### Invite a Ranger to visit your classroom

*We will be conducting outreach for the Arizona Strip and Southern Utah area from Feb. 21 – 24, 2012.*

How would you like to have a ranger from Grand Canyon National Park visit your classroom? Through hands-on activities, the ranger will conduct curriculum-based programs **free of charge** geared toward your learning objectives. We offer in-class programs for individual classes, limited to 35 students per one-hour time slot.

#### Program topics are:

- Geology
- Ecology
- Pioneer history
- Archeology
- School assembly programs for up to 300 students.

### Field Trip Program Descriptions

*All programs take place along the North Rim of Grand Canyon, and all programs are free of charge. For the 2011-2012 school year, Education Programs are available the week of: **October 3 – 7, 2011.***

#### Group Size

All programs are limited to a maximum of 35 students and require a student to chaperone ratio of 5:1.

#### **GRAND CANYON ROCKS!** (Geology)

This program focuses on the canyon's rock layers and their environments of deposition. Students will walk along the rim and, through hands-on activities, learn about the dynamic geologic processes that formed Grand Canyon. The program will end with a quiet reflection activity on the rim of the canyon.

**Grade level:** 3<sup>rd</sup> – 6<sup>th</sup>

**Duration:** 2 ½ hours

**Walking Distance:** 1.5 miles, moderate terrain, dirt trail

**Start time:** 9:00 a.m. or 12:30 p.m.

#### **STORIES IN STONE** (Fossils)

Using the eyes of a paleontologist, students will discover fossils preserved in the 270 million-year-old Kaibab Formation. Students will record the fossils they find, and then interpret the environment in which the animals lived. This program can be easily modified for younger and older students. The program will end with a quiet reflection activity on the rim of the canyon.

**Grade level:** 3<sup>rd</sup> - 6<sup>th</sup>

**Duration:** 2 hours

**Walking Distance:** Up to 1 mile, moderate terrain, dirt trail

**Start time:** 9:00 a.m. or 12:30 p.m.

## **LIFE ON THE EDGE** (Ecology)

Using their senses of sight, touch, smell, and hearing, students will explore the forest and rim ecosystems of Grand Canyon. A variety of activities, games and journal entries will help students learn about plant and animal adaptations and interrelationships. Additionally, students will make wildlife observations, learn to look for evidence of animals, and improve their understanding of the role of Grand Canyon in protecting wildlife and plants. The program will end with a quiet reflection activity on the rim of the canyon.

**Grade level:** 3<sup>rd</sup> – 5<sup>th</sup>

**Duration:** 5 hours

**Walking Distance:** 2.5 miles, moderate terrain, dirt trail

**Start time:** 9:00 a.m.

## **ECO EXPLORERS** (Ecology)

A shorter version of the Life on the Edge program for groups that would like a half-day program.

**Grade level:** 3<sup>rd</sup> – 5<sup>th</sup>

**Duration:** 2.5 hours

**Walking Distance:** 1.5 miles, moderate terrain, dirt trail

**Start time:** 9:00 a.m. or 12:30 p.m.

## **Travel Grants**

For schools with restricted travel budgets, we have a limited number of travel grants available. Travel grants are available to schools with at least 50 percent of the students receiving free or reduced lunch. Obtain the application form on our website listed below.

## **How to Register**

Complete and fax or mail the “North Rim Registration Form” to the below address or fax number.

**REGISTRATION FORMS** are available by doing one of the following:

- Download the form from: [www.nps.gov/grca/forteachers](http://www.nps.gov/grca/forteachers)
- If you need a hard copy, contact us at the phone number or email address listed below

### **1. Return the form(s) via fax or US Mail to:**

**Education Coordinator  
Grand Canyon National Park  
P.O. Box 129  
Grand Canyon, AZ 86023  
Fax: 928-638-7691  
Phone: 928-638-7931  
Email: [Amala\\_Posey@nps.gov](mailto:Amala_Posey@nps.gov)**

## **How to Contact Us**

For more information on programs, please visit our website: [www.nps.gov/grca/forteachers](http://www.nps.gov/grca/forteachers) or contact us at the above address, phone number, or email. We look forward to working with you!