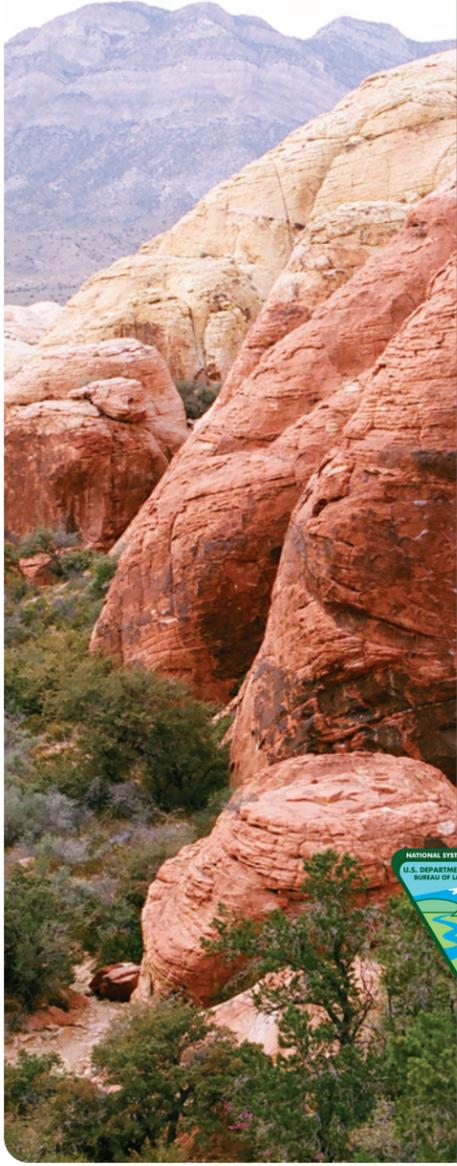


# Bringing the Classroom to the Outdoors

## Education Programs

BLM

Red Rock Canyon National Conservation Area



### Red Rock Canyon National Conservation Area



Red Rock Canyon National Conservation Area is a part of the BLM's National Landscape Conservation System: a diverse program that incorporates National Scenic and historic Trails, Wild and Scenic Rivers, Wilderness Areas, and

National Monuments and Conservation Areas, to name a few. The mission of the Conservation System is to conserve, protect and restore nationally significant landscapes that have outstanding cultural, ecological and scientific values for present and future generations of Americans. This 27 million acre Conservation System is said to be the most innovative U.S. land-management program in the last 50 years, joining together the crown jewels of the BLM's cultural, natural and scientific assets.

### Friends of Red Rock Canyon

Friends, a volunteer-driven membership organization, was founded 25 years ago and has been an active partner of the Bureau of Land Management since 1984.

Through the continuing commitment of members and volunteers, our volunteer members are involved in a wide variety of important activities to protect and preserve Red Rock Canyon to include assisting with Environmental Education and Interpretation programs and supplying transportation grants to qualified teachers.

Friends members and volunteers are happy to partner with the Bureau of Land Management to assure your visit is safe and educational, and that you leave with a sincere appreciation for this unique National Conservation Area.

### The Red Rock Canyon Interpretive Association

The Interpretive Association was founded in 1988, at the request of the BLM, to provide fund-raising capabilities for the support of outreach programs.

The Interpretive Association continues to increase its commitment to the BLM by facilitating special projects such as assisting with Ranger-Led education programs, school outreach and creating new exhibits for the visitor center. The Interpretive Association also coordinates the award winning Mojave Max Desert tortoise education program.



### Get Ready to Learn!!!

Call 515-5350 for applications and information. Reservations are made on a first come, first served basis. Participants should bring a sack lunch, dress for the weather, and be ready to hike up to 1.5 miles over moderate terrain.

Accommodations for wheelchairs and other disabilities are available at Red Spring.

Graduates of the "Explore the Great Outdoors" workshop are eligible to apply for transportation grants with the Friends of Red Rock Canyon. For more information, visit [www.friendsofredrockcanyon.org](http://www.friendsofredrockcanyon.org) and follow the "bus grant" link on the left side of the page.

Red Rock Canyon offers lessons taught in an outdoor setting. All lessons use scientific inquiry approach and meet Nevada State Department of Education Standards. See our website for specifics or go to [www.handsonthelands.org](http://www.handsonthelands.org).

Grade	Topic	Standards
K and 1	What's a Desert? Exploring with your senses	CEF Life Science (1) 4.1-4.6
Grade 2	Growing Up in the Desert Animal Adaptations	CEF Life Science (2) 4.5-4.7
Grade 3	Rocky Trails Foundations of Geology - fossils and sedimentary rocks	CEF Earth Science (3) 3.1-3.3
Grade 4	Water We Doing Here? The water cycle goes underground	CEF Earth Science (4) 3.2-3.3
Grade 5	Changing Landscape Dynamic geologic processes in action	CEF Earth Science (5) 3.2, 3.6, 3.7 Social Studies-Geography (5) 3.1, 3.2

**Spend your entire field trip with a park ranger.** From 10:00 a.m. - 12:00 p.m., your class will have the opportunity to tap into the resources that the visitor center has to offer. The rangers will be conducting grade-specific lessons that meet the Nevada State, Clark County Curriculum Essentials Framework and National Science standards.

An EGO-trained teacher is **not required** for ranger-led programs.

### Ranger-Led Program

We require at least one EGO-trained teacher to be aboard each bus.

**Teacher-Led Trail Program**  
Spend your entire field trip on the trail!  
From 10:00 a.m. - 12:00 p.m., your class will be the only group scheduled on the trail and at a picnic area. You will have time to explore either the Lost Creek Children's Discovery Trail, Pine Creek Trail, or the fully accessible Red Spring area.



Lost Creek Waterfall on the Children's Discovery Trail is active after snow melt and rainfall.

### Teacher Workshops



Explore the Great Outdoors (EGO) consists of two workshops designed for educators and children's group leaders to familiarize them with Red Rock Canyon facilities, group logistics, and current information about the natural and cultural resources of Red Rock Canyon National Conservation Area and the Mojave Desert.

Each 8-hour workshop is certified for Professional Development Experience for Clark County K-12 Teachers. Explore the Great Outdoors is **required** for institutions which bring groups to trails at Red Rock Canyon.

Participants receive a workbook, CD, posters, and special information about the area. A guided tour of the visitor center and Lost Creek Discovery Trail is also included. Hands-on involvement and sharing is highly encouraged.

For more information, call 515-5350.

There are many ways for schools to explore Red Rock Canyon

Let's Move Outside! Red Rock Canyon is a great place for kids to get moving in the great outdoors.

You can visit us on the web at: [www.nv.blm.gov/redrockcanyon](http://www.nv.blm.gov/redrockcanyon)

Red Rock Canyon offers several locations but opportunities are limited. Only one bus will be scheduled at each location.

We offer a variety of experiences for both students and teachers to complement their education.

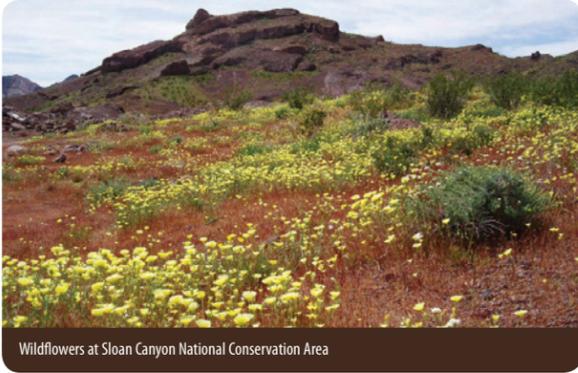
Thank you for considering Red Rock Canyon National Conservation Area for your school adventure.

## There are many ways for students to learn from Sloan Canyon National Conservation Area

Sloan Canyon National Conservation Area was established in 2002 and comprises 48,483 acres of public land that is set aside to preserve and protect the outstanding natural and cultural resources for present and future generations. Sloan Canyon is located South of Henderson in the heart of the Mojave Desert embodying beautiful black-hued peaks of the Northern McCullough Range. It is a premiere petroglyph site with over 400 rock art panels.

### The goals of the Sloan Canyon Environmental Education Programs are to:

- Increase participation of all children in outdoor adventures.
- Promote stewardship of all public land.
- Encourage children to respect and protect their environment.
- Educate students about the Mojave Desert and the natural and cultural resources at Sloan Canyon.
- Improve the health and quality of life for children by encouraging them to be connected to nature.



Wildflowers at Sloan Canyon National Conservation Area

## Ranger-Led Programs

Bureau of Land Management staff from Sloan Canyon National Conservation Area are bringing a touch of the outdoors to the classrooms. Invite a park ranger to come to your classroom and help awaken scientific curiosity and have your students connect with their surroundings in the Mojave Desert. Reservations are made on a first come, first served basis. A minimum of two weeks advance notice is required for scheduling of all interpretive programs. The indoor programs are offered on Tuesdays and Thursdays between 9:30 a.m. and 2:30 p.m. Durations of the programs vary.

### How to Participate:

- Choose a classroom program for the grade level of the students.
- Fill out an application for the classroom program and submit it to Environmental Education Ranger for Sloan Canyon.
- A ranger will contact you through email or phone to confirm the date and time requested is available.

Contact Environmental Education Coordinator/Ranger for questions and copies of application forms. Call 702-515-5350 or visit us on the website at:

[www.blm.gov/nv/st/en/fo/lvfo/blm\\_programs/blm\\_special\\_areas/sloan\\_canyon\\_nca.html](http://www.blm.gov/nv/st/en/fo/lvfo/blm_programs/blm_special_areas/sloan_canyon_nca.html)



Ranger-led classroom program



Road to Sloan Canyon National Conservation Area

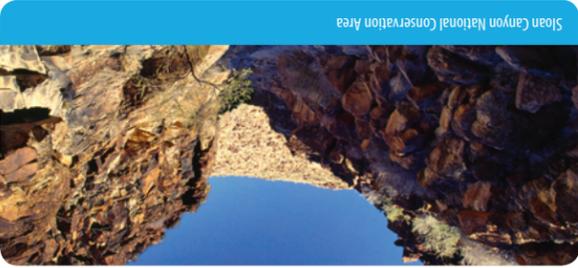
## Teacher-Led Sloan Canyon Geology Lessons

The Sloan Canyon geology trunk is designed to inspire teachers to bring the outdoors into their classrooms. It contains all of the materials necessary to teach introductory geology lessons to students from grades 5-8. It was created by a volcanologist from UNLV and the lessons are a valuable way to help teachers meet several of the Clark County School District Curriculum Standards. Teachers may check out the geology trunk for their classroom.

There are nine different lessons to choose from, and a teacher can choose to teach just one lesson or as many as can be accommodated within a one or two week period. Two weeks advance notice is required for scheduling of the traveling trunk. Availability is limited and on a first come, first served basis.



Geological features in Sloan Canyon National Conservation Area



Sloan Canyon National Conservation Area

Students will be able to sort desert reptiles by at least one physical characteristic and name three common reptile species at Sloan Canyon. This program will teach the students about the types of reptiles such as lizards, tortoises, and venomous snakes. The characteristics of reptiles and their various life cycles and adaptations will also be explored during the program.

**Meets science standards: N.5.A.1, N.8.A.3, N.5.A.6**

### 4-5 Revolving Reptiles

Cultural resources like petroglyphs and pictographs are precious resources found at Sloan Canyon. Students will be able to tell the difference between petroglyphs and pictographs and possible reasons they were created. By creating their own pictograph designs on a calendar, students will use their imagination to interpret the meanings of several symbols. The group activities in this classroom program are designed for 4th and 5th grade developmental levels.

**Meets science standards: N.5.B.3, N.5.A.5, N.5.A.1**

### 4-5 Volcanoes at Sloan Canyon

The desert has unique characteristics and there is a diverse collection of plants and animals in the Mojave Desert. Students will be able to identify at least two desert plants, two desert animals, and two desert safety rules that apply to Sloan Canyon.

**Meets science standards: N.2.A.1, L.2.C.3, L.2.D.1**

### K-1 Desert Discovery

There is a diverse range of wildlife at Sloan Canyon which can be identified by their habitat, tracks, and the droppings that they leave behind. Students will learn that every animal has tracks that distinguish it from others. Students will become detectives and learn to identify various tracks and droppings from a variety of wildlife found at Sloan Canyon.

**Meets science standards: N.2.A, N.2.A.1, N.2.A.2**

### K-1 Wildlife Watch

Students will be able to sort desert reptiles by at least one physical characteristic and name three common reptile species at Sloan Canyon. This program will teach the students about the types of reptiles such as lizards, tortoises, and venomous snakes. The characteristics of reptiles and their various life cycles and adaptations will also be explored during the program.

**Meets science standards: N.5.A.1, N.8.A.3, N.5.A.1**

### 4-5 Powerful Petroglyphs and Pictographs

Students will be able to identify at least three types of rocks found at Sloan Canyon.

**Meets science standards: N.5.B.3, N.8.A.3, N.5.A.1**

### 3 Tracking Wildlife

Every animal has tracks that distinguish it from others, and this program will enable students to become wildlife detectives - experts at identifying various tracks. Students will also learn the various adaptations that animals have made to the harsh desert environment.

**Meets science standards: L.2.A.2, N.5.A.1, N.2.B.2**

### 2-3 Variety is the Spice of Life

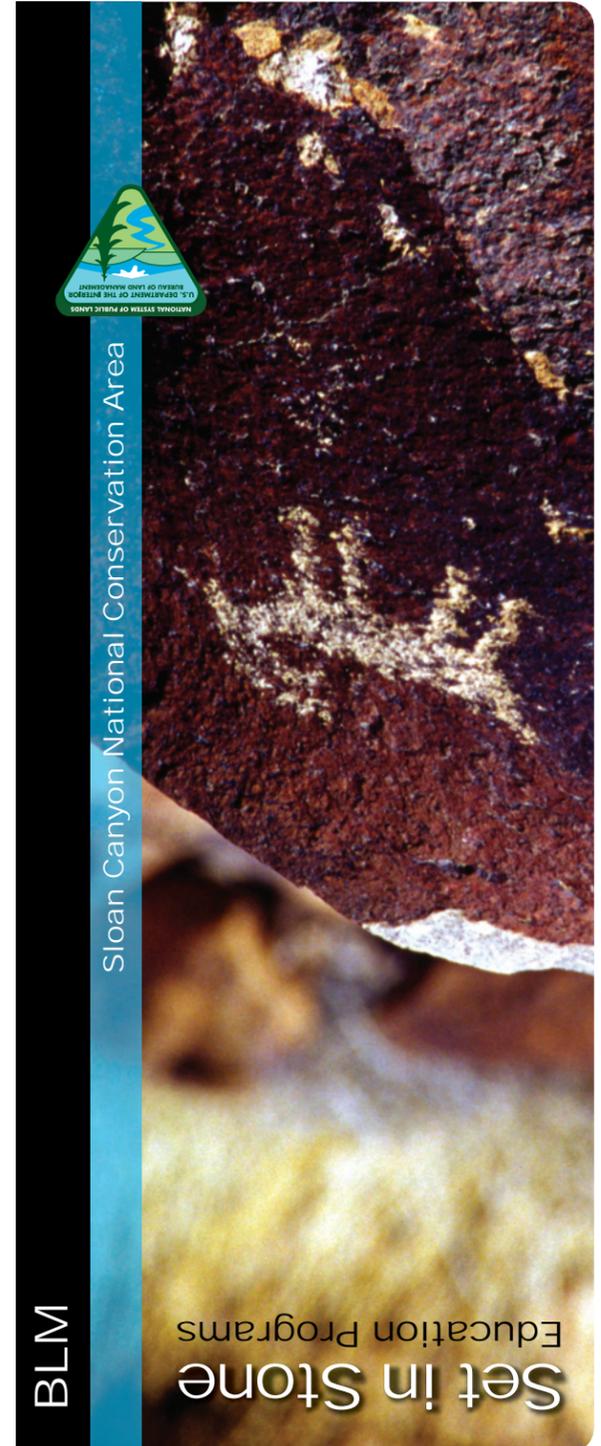
Students will be able to differentiate desert animals using at least one physical characteristic and recognize three sensitive wildlife species at Sloan Canyon. The differences between mammals, birds, and reptiles will also be explored. The program will enable the students to identify characteristics of the desert and discover ways to help preserve the species that inhabit it.

**Meets science standards: N.2.A.1, N.2.A.3, N.2.B.2**

### 2-3 Etched in Stone

Students will be able to differentiate desert animals using at least one physical characteristic and recognize three sensitive wildlife species at Sloan Canyon. The differences between mammals, birds, and reptiles will also be explored. The program will enable the students to identify characteristics of the desert and discover ways to help preserve the species that inhabit it.

**Meets science standards: N.2.A.1, N.2.A.3, N.2.B.2**



Sloan Canyon National Conservation Area

BLM

Set in Stone Education Programs

## Ranger-Led Classroom Programs