Grand Canyon

National Park Service
U.S. Department of the Interior

Grand Canyon National Park

Field Trips Fall 2013 to Spring 2014

National Parks provide outstanding outdoor classrooms that support and enhance your learning objectives. Grand Canyon National Park rangers conduct curriculum-based field trips using this remarkable landscape as a tool. Parks provide students with real-world examples of concepts they learn in the classroom. Field trips encourage students to explore, experience, and engage in the learning process. Programs take place along the rim of Grand Canyon—an inspirational backdrop. All programs are aligned with National and Arizona Academic Standards.

For additional details, visit *www.nps.gov/grca/forteachers*.

SCHEDULE

Fall field trips are conducted Monday through Friday between September 18 and November 22, 2014. Spring trips begin March 19 and end May 23, 2014. (No programs occur October 14, 18, November 1, 11, April 8, 9, 10, 23, 24.)

COST

Programs are free to schools! A waiver for the park entrance fee will be included. For title one schools with restricted budgets, travel grants may be available. See online for application details.

GROUP SIZE

Each field trip program has a 35 student maximum, and requires a student to chaperone ratio of 5:1. For larger schools, it may be possible to conduct multiple field trips simultaneously or later the same day, depending on staff availability. Please submit a separate form for each group of up to 35 students.

TO REGISTER

1. Fill out a form. All registration forms are available online at: www.nps.gov/grca/forteachers .
2. Submit registration form by email to GRCAeducation@nps.gov, or fax to 928-638-7691.
3. Wait for confirmation and an orientation packet.

DETAILS

All field trips are conducted outside, weather permitting, and require walking up to 1.5 miles on paved and upaved trails. Some routes are off trail and include traversing uneven or rocky terrain.

Field Trip Name	Grades	Length	Description	Start time	Topic
Dynamic Earth	3 to 8	5 Hours	Unravel the mystery of how Grand Canyon formed. Hike into the canyon to explore a fossil site and gain an understanding of how scientists determine environments in the geologic past. After, learn about the deposition of the colorful rock layers and explore the dynamic geologic processes that formed Grand Canyon.	9 am	Geology
Grand Canyon Rocks!	3 to 8	2.5 Hours	Focus on the rock layers and their depositional environments. Through hands-on activities, learn the geologic processes that formed Grand Canyon.	9 am or 1 pm	Geology
Stories in Stone	3 to 8	2.5 Hours	Using the eyes of a paleontologist, discover fossils preserved in the rocks of Grand Canyon. Through close observation of the 270 million-year old Kaibab Formation, students record the fossils they find and interpret the environment in which the animals lived.	9 am or 1 pm	Geology
Life on the Edge	3 to 8	5 hours	Using their senses, students explore the forest and rim ecosystems of Grand Canyon. Activities, games, and journal entries help students learn plant and animal adaptations. Make wildlife observations, search for evidence of animals, and learn the role of National Parks in protecting wildlife and plants.	9 am	Ecology
Eco Explorers	3 to 8	2.5 hours	A shorter version of Life on the Edge.	9 am or 1 pm	Ecology
Time Travelers	4 to 6	5 Hours	Become an archeologist and unearth clues about Grand Canyon's ancient inhabitants. Sift for artifacts, explore ancient ruins, and climb the stairs at Desert View Watchtower to learn about the native peoples who shaped Grand Canyon's 12,000 years of human history. Meets at Desert View Visitor Center, 25 miles east of Grand Canyon Village and Park Headquarters.	9 am	Human History
Rails and Tales	4 to 6	2.5 hours	While exploring historic Grand Canyon Village, discover stories of people who have shaped the park's pioneer history. Through scavenger hunts, activities and journaling, students learn about the changing ways people have valued Grand Canyon over time.	9 am or 1 pm	Human History
Into the Canyon	5 to 8	6 Hours	Hike into the canyon on the Bright Angel Trail, travelling 3 miles round-trip and 1,500 feet descent and ascent. Students measure pulse, breathing rate, and blood pressure before and after hiking to understand our body's physical responses to strenuous exercise. Learn how to have fun and stay safe while hiking outdoors. Not recommended for people with heart or respiratory problems, difficulty walking or extreme fear of heights.	9 am	Human Physiology and Hiking Safety
Battle for Survival	9 to 12	5 hours	Through comparing and analyzing forest plots, searching for evidence of wildlife and recording journal entries, students gain appreciation for the complexities of survival at Grand Canyon.	9 am	Ecology