

FIELD TRIP OVERVIEW

SITE: Vogel Flat Picnic Area

LOCATION: Angeles National Forest up the Big Tujunga Canyon Road (approximately 10 miles from the 210 Freeway at the Sunland exit)

OBJECTIVES: See attached list of Disciplinary Core Ideas from The Next Generation Science Standards

GROUP SIZE: Maximum of 60 students unless arrangements are made prior to the field trip

DAY/TIME: Friday 22 April from approximately 10:00 a.m. to 1:00 p.m. (inquire for additional dates and availability)



SCHEDULE:

8:30 – 9:30	Bus Ride
9:30 – 10:00	Orientation and Overview
10:00 – 12:00	Concurrent Activities (Taxidermy Display, Scavenger Hunt and Nature Walk)
12:00 – 1:00	Lunch in the Picnic Area followed by exploration of the self-guided nature trail and hummingbird feeding area
1:00 – 2:00	Bus Ride

LOGISTICS:

- Teachers will receive a packet of materials and a sample Nature Investigations magazine to be used for pre- and post- visit lessons.
- Classes will receive Smokey Bear and Woodsy Owl posters and a visit from a forest volunteer who will explain what Smokey and Woodsy want forest visitors to “Know Before They Go”.
- Students will receive pencils, rulers, Smokey comic books, activity booklets, posters, and/or Certificates of Completion in a collection envelope. (based on availability)

WHAT TO BRING/WEAR:

- Sturdy, comfortable closed toe shoes
- Long pants
- Hat/cap
- Jacket/sweater
- Sunscreen and insect repellent
- Binoculars for bird watching

- Camera
- Lunch and bottled water in a backpack (which will remain on the bus during explorations)

WHAT NOT TO BRING/WEAR:

- Sandals/flip-flops
- Cell phones (no reception)
- Money (nothing to buy)
- Toys or games

SMOKEY & WOOSY EXPECT FOREST VISITORS TO:

- ENJOY the forest
- Respect the forest and all its inhabitants
- Learn how to prevent wildfires and keep the environment clean
- Listen carefully to presenters and guides
- Follow directions and actively participate
- Focus attention
- Think and ask questions
- Walk quietly in the center and on the marked trails
- LEARN

POST FIELDTRIP:

Back at school and home, teachers and parents will use the resources and activities provided by the US Forest Service to help you answer the following questions.

1. What is something you already knew about the forest before your visit?
2. What is the most awesome thing you learned?
3. How will you use something you have learned at home and at school?
4. What is something more you want to know?

SUBJECT: What to “Know Before You Go” to the Angeles National Forest/San Gabriel Mountains National Monument

TO: Teachers, students, and parents

FROM: Smokey Bear and Woodsy Owl

DATE: _____

A portion of the Angeles National Forest has been designated a National Monument to preserve not only objects of beauty, but also items of scientific and historical interest. The mission of the USDA Forest Service is “to sustain the health, diversity, and productivity of the Nation’s forests and grasslands to meet the needs of present and future generations.” Vogel Flat Picnic Area aims to achieve that goal by providing students, teachers, and parents with a fun, exciting educational experience in the great outdoors.

During the field trip, students will participate in: (will vary based on grade level)

A taxidermy presentation focusing on wildlife of the San Gabriel Mountains, the types of animals found here, and methods to identify them.

A guided nature walk emphasizing the bird life and big trees of the area and the benefits provided to the public. A discussion of how human activities in the city can negatively impact the forest will also be addressed.

Exploring self-guided interpretive trails and center exhibits highlighting the bird life, history of early settlers, rangers, natural history (flora and fauna), and rocks-geological features of the Vogel Flat area.

DISCIPLINARY CORE IDEAS FROM THE NEXT GENERATION SCIENCE STANDARDS THAT ARE ADDRESSED BY THE VOGEL FLAT PICNIC AREA AT THE SITE IN THE SAN GABRIEL MOUNTAINS

The proposed field trip is most suitable for grades 3 through 6, but schools are encouraged to pair up upper grade and lower grade classes, with the upper grade students sharing what they learned at Vogel Flat with their lower grade partners.

Kindergarten

LS1.C	Organization for Matter and Energy Flow in Organisms
ESS2.D	Weather and Climate
ESS2.E	Bio-geology
ESS3.C	Natural Resources
ESS3.B	Natural Hazards
ESS3.C	Human Impact on Earth Systems

Grade 1

LS1.A	Structure and Function
LS1.B	Growth and Development in Organisms
LS3.A	Inheritance of Traits
LS3.B	Variation of Traits

Grade 2

LS2.A	Interdependent Relationships in Ecosystems
LS4.D	Biodiversity and Humans
ESS1.C	The History of Planet Earth
ESS2.A	Earth Materials and Systems
ESS2.B	Plate Tectonics and Large-Scale Systems Interactions
ESS2.C	The Role of Water in Earth's Surface Processes

Grade 3

LS1.B	Growth and Development of Organisms
LS2.D	Social Interaction and Group Behaviors
LS3.A	Inheritance of Traits
LS3.B	Variation of Traits
LS2.C	Ecosystem Dynamics, Functioning, and Resilience
LS4.A	Evidence of Common Ancestry and Diversity
LS4.B	Natural Selection
ESS2.D	Weather and Climate
ESS3.B	Natural Hazards

Grade 4

LS1.A	Structure and Function
LS1.D	Information Processing
ESS1.C	The History of the Earth
ESS2.A	Earth Materials and Systems
ESS2.B	Plate Tectonics and Large-Scale System Interactions
ESS2.E	Bio-geology
ESS3.A	Natural Resources
ESS3.B	Natural Hazards

Grade 5

LS1.C	Organization for Matter and Energy Flow in Organisms
LS2.A	Interdependent Relationships in Ecosystems
LS2.B	Cycle of Matter and Energy Transfer in Ecosystems
ESS2.A	Earth Materials and Systems
ESS2.C	The Roles of Water in Earth's Surface Ecosystems
ESS3.C	Human Impact on Earth's Systems
PS3.D	Energy in Chemical Processes and Everyday Life
LS1.C	Organization for Matter and Energy Flow in Organism

Grade 6

LS1.A	Structure and Function
LS1.B	Growth and Development of Organisms
LS3.A	Inheritance of Traits
LS3.B	Variation of Traits
ESS2.C	The Role of Water in Earth's Surface Processes
ESS2.D	Weather and Climate
ESS3.C	Human Impact on Earth's Systems
ESS3.D	Global Climate Change