

Outdoor Science Education Program

Valentine Reserve and SNARL

2009 Class Schedule

UC Santa Barbara offers a variety of children's summer science classes. The courses are designed to teach complex scientific principles through hands-on lessons using real scientific equipment. Students who enroll should have a strong interest in science, love being in the outdoors, and be willing to participate in all aspects of these academic classes. Students are expected to behave in an appropriate, respectful, and safe manner.

All classes are geared to next year's grade level.

Capturing Science through a Lens **June 15-19**

Grades 6-8 9:00-3:00 pm **M-F**

Janis Richardson-Instructor

Students will use digital photography to capture the essence of the flora and fauna of Valentine Reserve. Technology, art, and science will be combined in this photography class. All students will need to bring a digital camera. Computer experience preferred. **\$140.00**

Science through Art **June 22-July 3**

Grades 4-5 9:15-12:15 pm **M-F**

Janis Richardson-Instructor

This course will explore science through the eyes of the artist. Looking at broad landscapes and delicate wildflowers, students will use a variety of media to enhance their observational skills while pursuing their artistic talent. **\$140.00**

Hurray For Habitats **June 22-26**

Grades 2-3 9:00-12:00 pm **M-F**

Sherry Taylor-Instructor

Birds, bears, and bugs all make their homes at Valentine Reserve. Students will see hummingbirds in the meadow, squirrels in the forest and maybe, a bear and her cubs resting in a tree. By recreating animal habitats on a special board using clay, leaf and paw prints, twigs and pine cones, students will record and share their observations. **\$70.00**

Beautiful Bats **June 22-26**

Grades 1-2 9:00-12:00 pm **M-F**

Jessica Sharkey-Instructor

Bats are familiar to nearly everyone, yet most people have never seen one up close. Are bats dangerous? Do bats get tangled in your hair? Folktale and fantasy are all part of people's ideas about bats. In this class you will learn the truth about bats is more astonishing than any of the stories about them. **\$70.00**

Prehistoric Life Skills- **June 29-July 3**

Class takes place at SNARL

Grades 5-9 9:00-2:00 pm **M-F**

Leslie Dawson & Sherry Taylor-Instructors

Prerequisite: Permission of instructors

Students in this course will become a prehistoric hunting and gathering tribe. They will make bows and arrows, prehistoric pottery, and rabbit skin quivers. To simulate a summer night of an aboriginal tribe, the class will dance in a drum circle, go on a night hike, and then spend the night (Thursday) in the village wickiup. **\$140.00**

Beautiful Bats **June 29-July 3**

Grades 1-2 9:00-12:00 pm **M-F**

Jessica Sharkey-Instructor

Bats are familiar to nearly everyone, yet most people have never seen one up close. Are bats dangerous? Do bats get tangled in your hair? Folktale and fantasy are all part of people's ideas about bats. In this class you will learn the truth about bats is more astonishing than any of the stories about them. **\$70.00**

Survival of Camouflaged Critters **July 6-10**

Grades 1-2 9:00-12:00 pm **M-F**

Noelle Deinken-Instructor

How do colors, patterns, fur, and feathers help animals survive? We'll study and experiment with animal adaptations such as colorations and coverings. We'll play games, learn songs, make books and projects, and hike in the Valentine Reserve observing animals. By the last day, each of us will decide the colors and coverings we'd like if we lived there. **\$70.00**

Where Wild Things Grow **July 6-17**

Grades 4-5 9:00-12:00 pm **M-F**

Sherry Taylor-Instructor

Explore the wild and beautiful world of native plants at Valentine Reserve. Walk up a creek to investigate the roots of water loving plants. Learn through stories and games how to identify wildflowers such as tiger lily, Indian paintbrush and monkey flower. Dissect flowers and plant seeds to better understand complex systems native plants use to survive. **\$140.00**

Bones, Beads and Baskets **July 13-17**

Grades 2-3 9:30-3:30 pm **M-F**

Rosanne Higley-Instructor

Have you ever wondered what it would be like to be born into a prehistoric family and tribe of people? In this class you will create a small tribe and learn how early people on earth lived: how they hunted and gathered food and medicine, celebrated important events and played games. Children will identify plants and animals that could be used for food and medicine. They will make a model village, musical instruments and other artifacts of their new tribe. They will experiment with grinding different shaped seeds with a mono and metate. They will listen to legends and create their own. This class is great to take before Prehistoric Life Skills. **\$140.00**

Liquid Explorations **July 20-24**
Grades 3-4 10:00-4:00 pm M-F

Barbara Kelley-Instructor

From the water we drink to the oceans that circle Earth, liquids are everywhere. Students will explore the properties and importance of various liquids in a variety of activities, from H2O Olympics to layered liquid rainbows to the mystery of what's going wrong at the mythical Peterson's Pond. We'll also check out what lives in and around Valentine's wetlands. Come ready to swirl colors and make an ocean in a bottle, and to learn lots about liquids!
\$140.00

A Bug's Life **July 20-24**
Grades 2-3 9:00-12:00 pm M-F

Sherry Taylor-Instructor

Discover the role insects play among all living things by observing carpenter ants through a magnifying glass and catching beetles and other crawling bugs in pitfall traps. Use nets to become experts at capturing grasshoppers and delicate damselflies. Take a close look at the fascinating life of spiders by creating your own web and spider to share with friends in a puppet show.
\$70.00

To enroll:

- Mail a completed application form and signed University Waiver of Liability form with
- A check made out to Regents of the University of California to:
Leslie Dawson, Education Coordinator
Outdoor Science Education Program
P.O. Box 273
Mammoth Lakes, CA 93546
- Applications are accepted on a first-come, first-served basis. You may drop the application in the mail or bring it to the Headquarters building at SNARL.
- Only complete application packets can be processed. While we will not reserve class space by telephone, you are welcome to call to check on class availability.
- Enrollment is limited and courses fill very quickly.
- Scholarships are available, call for more information.
- No refunds after June 1.

For more information call Leslie Dawson: 935-4356 or email ldawson@msi.ucsb.edu

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Outdoor Science Education Program Application

Class name _____ Class dates _____

Name of student _____ Name of parent(s) _____

Mailing address _____

Email _____

Home/work/cell phones _____

Student's age (now) _____ Grade level next year _____

Please list emergency name and phone numbers not listed above. Please list any medical and or behavioral information we may need to know _____

Behavior Agreement

An enrichment class of this type requires motivated, well-behaved students in order to ensure a quality experience for all. If your child fits this description, please read and sign the following:

My child and I agree to comply with all of the rules of the class. We agree to respect the rights of others, follow directions of the University staff, participate in all activities and behave in a manner that ensures our safety and the safety of others. We understand that students who do not comply will be asked to leave the class and may not return. No refunds will be given.

Student's signature.....Parent's signature.....