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.
Classes can be at Valentine or SNARL and can be 3, 4, 5, or 6 hours per day.

Capturing Science through a Lens  LOCATION: VALENTINE (6 hours)  June 19-23
Grades 6-8  9:00-3:00 pm  Janis Richardson
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 project-based class. All students need to bring a digital camera. Computer experience preferred.  $184.00

Science through Art  LOCATION: VALENTINE (4 hours)  June 26-30
Grades 5-7  9:00-1:00 pm  Janis Richardson
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 and pursue their artistic interests.  $120.00

Involving Dissolving  LOCATION: VALENTINE (3 hours)  June 26-30
Grades 3-4  9:30-12:30 pm  Lisa Anderson
Come see what happens when we mix powders with liquids, play with evaporation, and create crystallized masterpieces. Will everything we mix dissolve in our liquids every time? We’ll read stories, create chemical reactions involving dissolving during this week of scientific exploration. Non-toxic materials will be used.  $92.00

The Art of Nature  LOCATION: SNARL (3 hours)  June 26-30
Grades 4-5  10:00-1:00 pm  Dana Ellis and Lori Michelon
Explore the intersection of art and nature in this week-long class. The class is designed to make a strong connection with our natural environment while experimenting with a variety of media throughout the week. Enjoy art, hikes, play, and an appreciation for the environment woven together in a fun week of creative exploration.  $92.00

Hurray for Habitats  LOCATION: SNARL (4 hours, no class July 4)  July 3-7
Grades 2-3  9:00-1:00 pm  Deb Leyh
Owls, mule deer, rabbits, coyotes, and other animals make their homes at SNARL. We will observe animals or evidence of animals that live in the high desert and/or riparian areas of the Eastern Sierra. After a scientific hike, students will share our findings and observations on our Habitat Boards. If you like to hike, explore, play games, and do outdoor science activities, come join this expedition  $92.00

Amazing Animals  LOCATION: VALENTINE (4 hours, no class July 4)  July 3-7
Grade 1  9:00-1:00 pm  Debbie Boucher
Amazing Animals will introduce students to four of the five invertebrates: mammals, birds, fish, and amphibians. We will examine invertebrates as well, comparing insects and spiders. Every day concludes with a game and an art project. Students should bring a snack and lunch.  $92.00
The Art of Nature
LOCATION: VALENTINE (3 hours)
Grades 4-5
10:00-1:00 pm
Dana Ellis and Lori Michelon
Explore the intersection of art and nature in this week-long class. The class is designed to make a strong connection with our natural environment while experimenting with a variety of media throughout the week. Enjoy art, hikes, play, and an appreciation for the environment woven together in a fun week of creative exploration.
$92.00

Beautiful Bats
LOCATION: VALENTINE (3 hours)
Grades 2-3
1:00-4:00 pm
Michelle Kubiak
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.
$92.00

Sifting through Science
LOCATION: VALENTINE (3 hours)
Grade 1
9:30-12:30 pm
Lisa Anderson
Young children are natural scientists. This week our littlest will work with their senses as they eagerly explore and investigate the environment at Valentine through experiments, stories, games, and nature walks. We will use magnets, sand, water, dirt, rocks, and sift our way through science!
$92.00

Beautiful Bats
LOCATION: VALENTINE (3 hours)
Grades 2-3
1:00-4:00 pm
Michelle Kubiak
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.
$92.00

Involving Dissolving
LOCATION: VALENTINE (3 hours)
Grades 3-4
9:00-12:00 pm
Carole Lester
Come see what happens when we mix powder with water, play with vapors, and create crystallized masterpieces. Will everything we mix dissolve? Will all our liquids evaporate? We will explore what Valentine resources are used and create chemical reactions involving dissolving during this week of scientific exploration. Please note, only non-toxic materials will be used.
$92.00

Bones, Beads, and Baskets
LOCATION: VALENTINE (5 hours)
Grades 3-4
9:00-2:00 pm
Rosanne Higley
What would it be like to live off the land back in the days of VONS? This class will be a small tribe and learn how early people in America hunted and gathered for food, medicine, celebrated important events, and played games. Students will use and make artifacts modeling Native American ways of life. Students choose to (usually) perform a play for parents based on a native legend.
$155.00

Wild Island Adventure
LOCATION: SNARL (3 hours)
Grades 4-5
9:00-12:00 pm
Carole Lester
Get ready for a week on the Wild Islands at SNARL! From the water we drink to the oceans that circle the Earth, liquids are everywhere. We will explore the properties of water and the creatures that live there by observing the creatures that live there and discovering how liquids do what they do. Come prepared to get wet and learn all about our most precious resources.
$92.00
To enroll:

- Mail
  1) a completed application form and
  2) signed University Waiver of Liability form and
  3) a check made out to Regents of the University of California to:

  Carole Lester, Education Coordinator
  Outdoor Science Education Program
  1016 Mt. Morrison Rd.
  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.
- No refunds after May 15.

For more information call Carole Lester (805)893-5655 or email carole.lester@ucsb.edu

Outdoor Science Education Program Application

**Please fill out a separate application, waiver, and check for each class for each child.**

Class title ________________________________________ Class dates ______________________________________

Class Location: Valentine or SNARL

Second class choice (If first choice isn’t available) _________________________________________________________

Name of student ___________________________ Male Female

Name of parent(s) _________________________ ________ Email _______________________________

Mailing address/state/zip __________________________________________________________________________

Home/work/cell phone_________________________________________________________________________________

Student’s age (now) ___________________________ Grade level next year ___________________________

Please list emergency names and phone numbers not listed above. Let us know if someone other than a parent has permission to pick up your child.

_______________________________________________________________________________________________

Please list any medical or behavioral information, learning disabilities or special needs of your child. This information will be kept confidential. Use the back if more space is needed.

________________________________________________________________________________________________

________________________________________________________________________________________________

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 in this scenario.

Student’s signature ___________________________ Parent’s signature ___________________________
Waiver of Liability, Assumption of Risk, and Indemnity Agreement

Waiver: In consideration of being permitted to visit or participate in any way in any activity, including transportation, at the above locations, I, for myself, my heirs, personal representatives or assigns, do hereby release, waive, discharge, and covenant not to sue The Regents of the University of California, its officers, employees and agents, and the City of Los Angeles Department of Water and Power, its officers, commissioners, employees and agents (all of which are collectively referred to herein as the “Releasees”) from liability from any and all claims, including the negligence of the Releasees, resulting in personal injury, accidents or illnesses (including death), and property loss arising from, but not limited to, visitation or participation in any way in any activity, including transportation, at the above locations.

Assumption of Risks: Visitation or participation carries with it certain inherent risks that cannot be eliminated regardless of the care taken to avoid injuries. The specific risks vary from one activity to another, but the risks range from 1) minor injuries such as scratches, bruises, and sprains to 2) major injuries such as eye injury or loss of sight, joint or back injuries, heart attacks, and concussions to 3) catastrophic injuries including paralysis and death.

I have read the previous paragraphs and I know, understand, and appreciate these and other risks that are inherent in visitation or participation. I hereby assert that my visitation or participation is voluntary and that I knowingly assume all such risks.

Indemnification and Hold Harmless: I also agree to INDEMNIFY AND HOLD the Releasees HARMLESS from any and all claims, actions, suits, procedures, costs, expenses, damages and liabilities, including attorney’s fees, brought as a result of my involvement in visitation or participation and to reimburse them for any such expenses incurred.

Severability: The undersigned further expressly agrees that the foregoing waiver and assumption of risks agreement is intended to be as broad and inclusive as is permitted by the law of the State of California and that if any portion thereof is held invalid, it is agreed that the balance shall, notwithstanding, continue in full legal force and effect.

Acknowledgment of Understanding: I have read this waiver of liability, assumption of risk, and indemnity agreement, fully understand its terms, and understand that I am giving up substantial rights, including my right to sue. I acknowledge that I am signing the agreement freely and voluntarily, and intend by my signature to be a complete and unconditional release of all liability to the greatest extent allowed by law.

______________________________    _____  __________________________    _____
Signature of Minor’s Parent/Guardian         Date  Signature of Participant  Date

Participant’s Age (If Minor) ____________   ____________________________________ _
Mailing Address:  __________________________  Email:_______________________________ _
__________________________  Phone:  _____________________________ _