



education unlimited®



SALLY RIDE SCIENCE CAMPS

summer programs for girls entering grades 4–9



2011 summer programs

Stanford University | UC Berkeley | University of San Diego

Caltech | Massachusetts Institute of Technology

Curriculum

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Call 510-548-6612 or visit educationunlimited.com

Each student will choose a major, which will be the main focus area of her daily lab sessions. This year we offer two exciting major choices per session and a total of six majors overall*. This year's majors include: Intro to Marine Science, Engineering, Marine Biology, Astronomy, Robotics and Advanced Marine Science & Ecology. Please visit our website at educationunlimited.com for a complete listing of majors at each session.

Introductory Majors (4th & 5th grades) **Engineering** > Students will learn the basic principles of physics and design while building bridges, towers, hovercrafts and automobiles. Students will create their own structures and designs that must survive trials and obstacles. **Intro to Marine Science** > Provides a taste of our Marine Biology curriculum. Students experiment with the chemical and physical properties of water, explore major marine habitats and write and perform phylum dramas.

Intermediate Majors (6th & 7th grades) **Astronomy** > In the Astronomy major, students will study celestial objects in the universe. Students will simulate the Big Bang theory, study the surface of the sun and measure its diameter, make spectrometers and explore light and diffraction, and launch and safely retrieve 'eggstronauts' using water rockets. **Marine Biology** > Participants will investigate adaptations in a creative creature project, dissect a fish, experiment with the properties of water, and use satellite images to learn about current marine issues.

Advanced Majors (8th & 9th grade overnight programs only) **Advanced Marine Science & Ecology** > Students participating our Advanced Marine Science & Ecology major will learn about the impact of human actions on aquatic ecosystems. They will also explore innovative ways to remedy the human imprint on the planet, particularly as it relates to climate change, conservation, biodiversity, pollution and sustainable development. **Robotics** > Students will explore the emerging science of robot mechanics. Participants will build a VEX robot, remotely control their robot, experiment with light and pressure sensors, create drive trains for different terrains, build a robotic arm, and design and play robotic sports.

"I have gone to a lot of science camps. I think Sally Ride is the best... I learned a lot more than I expected and I made new friends."

Melissa Chow, 6th grade SRS camper



Sample Schedule. Sally Ride Science Camp

8:00 am - 8:45 am	Breakfast
9:00 am - 12:00 pm	Lab session (in Major)
12:15 pm - 1:15 pm	Lunch
1:30 pm - 2:15 pm	Supervised recreation time
2:30 pm - 2:45 pm	Afternoon meeting
3:00 pm - 4:15 pm	First afternoon workshop
4:30 pm - 5:15 pm	Second afternoon workshop
5:30 pm - 6:30 pm	Dinner
6:45 pm - 7:00 pm	Evening meeting
7:15 pm - 8:15 pm	Group activity with counselors
8:15 pm - 9:15 pm	Free time in dorm
9:15 pm - 10:15 pm	Students prepare for bed
10:15 pm	Room check and lights out!

Day Camp Sessions

At Caltech and MIT we offer special day-camp only sessions of the Sally Ride Science Camp program. These programs feature a convenient 5-day schedule, with classes from approximately 9am to 5pm each day. Please note that due to the program's shorter duration, students at the day-camp program participate in a truncated version of the curriculum offered at overnight sessions.

Enrichment*

Activities and Workshops > In the afternoons and evenings, girls participate in activities that give them the opportunity for informal science learning, as well as leadership and problem-solving training, through workshops, experiments, guest speakers, and recreational activities. Examples of some workshop topics available to choose from at selected camps: **Outdoor initiatives** | **Team-building** | **Humorous interpretation and improv** | **Science ethics debates** | **Friendship bracelet design** | **Slimes, gels, and oobleck lab** | **Public speaking activities** | **Mini World Cup soccer tournament** | **On-campus excursions (to a lab, museum, etc.)** | **Inventors' challenge.**

Guest Speakers and Excursions > Students will also attend a mid-program excursion to a local attraction or science venue and participate in campus tour or scavenger hunt. At most sessions, girls will meet a local science professional or academic who will visit the camp.

*Examples of majors, activities and projects are tentative and subject to change. Though we do our best to place every student in her first choice of major, we are not always able to accommodate all major requests.



Join Us!

Call 510-548-6612 or visit educationunlimited.com

Regular Enrollment Applicants are considered on a first come, first served basis. A check for full tuition or a deposit of \$695, which is credited toward the total program cost, must accompany your application form. Checks should be made payable to Education Unlimited®. The deposit is nonrefundable, except with cancellation insurance (*see website for details*).

Early Applications Applications received 21 days or more before the start of a camp receive a \$50 early enrollment discount. This discount may not be combined with any other discounts or offers.

Commuter Option for residential programs is available at a 15% discount. Approximate daily schedule is 8:30am–8:30pm; tuition includes lunch and dinner on campus each day.

Financial Aid Students with financial need are encouraged to call or write for financial aid information, or send an e-mail to campinfo@educationunlimited.com.

Enrollment Procedure Summary. Mail:

- Completed application
- Full tuition or deposit check of \$695
- Cancellation insurance fee (*optional, see website for details*)
- International students please add \$100
- Wait for your enrollment packet in the mail!

(Please do not make any travel plans until you receive written confirmation of acceptance).

Sign me up for the following 2011 Camp:

Camp Name		
Camp Location		
Camp Dates	<input type="checkbox"/> Daycamp <input type="checkbox"/> Overnight	Camp Tuition

I am ready to apply!

Enroll me as a (circle one):		Resident	Commuter
Student's Name		Age	Grade Fall 2011
Home Address		City	State Zip
Home Phone		Student E-Mail	
Date of Birth	Major (circle one. See page 4 for more details):	Marine Science	Robotics Astronomy Engineering
Parent (No. 1) Name		Parent (No. 2) Name	
Work Phone		Work Phone	
Cell Phone		Cell Phone	
Email		Email	
School Name			
School Address		City	State Zip
How did you first hear about the program?			

Reminder You must remit the \$695 deposit with your completed application. Without cancellation insurance this deposit is non-refundable unless not accepted into the program. Make checks payable to Education Unlimited. Enrollment is limited – Apply early! We recommend that you purchase cancellation insurance, which provides a full or partial refund, as explained on page 7. The fee for the insurance is 8% of the total tuition before any discounts and must be purchased with this application. No refund of any kind is offered without insurance. If you answer yes for cancellation insurance, full payment for the insurance must be sent in with this application.

Cancellation Insurance Enclosed:	Yes	No	Total Enclosed \$
I hereby give permission for my child to participate in the above indicated program. I am also indicating my agreement to all terms and conditions of enrollment listed on the company website (www.educationunlimited.com) and upon this application.			
Signature of Parent			Date



Each student's progress in the program is dependent upon the individual student's motivation and abilities.



www.sallyridescience.com
www.educationunlimited.com
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