

## **UCSB Chemistry Lab Field Trip: Workshops for 5<sup>th</sup> Graders**

If you would like your 5<sup>th</sup> graders to visit our chemistry lab, please contact me early in the academic year (before the end of September is best). Workshops are scheduled on either Tuesday or Thursday mornings. We offer two consecutive 90 minute workshops at the following times: 9 –10:30 AM and 10:30 –12 noon. If your school has two 5<sup>th</sup> grade classes, both classes can come together on the same day. We provide a cookie and juice/water in between the two workshops.

**Punctuality:** With the many UCSB student volunteers it is crucial for us to start on time. You can schedule to start the first workshop at 9, 9:15 or 9:30 AM. Let me know what time works best for you. If you sign up to start the first workshop at 9 AM, you and your students must be in the lab at 9 AM. This means arriving on campus at 8:45 AM. If you start at 9:30 AM, the second workshop ends at ~12:30 PM. If you arrange for a school bus please have the bus scheduled to pick up your students a half hour after the second workshop ends.

**Cost:** There is no cost to participate. However, you need to provide your own transportation. You can arrange for a school bus. If parents drive, they will need to pay for parking. More information on parking is given below.

**Waiver Form:** In order to participate, all students must bring a waiver form signed by their parents. Please download the waiver form from this web page. <http://outreach.chem.ucsb.edu/>

**Pre-Lab Activities:** To prepare your students before they visit the chemistry lab please go to the link called “Outreach Pre-Lab” for pre-lab activities, vocabulary, and key concepts. Better prepared students will learn significantly more during their visit.

**Students bring two very shiny pennies:** New pennies (2006 or 2007) work great. If they bring two shiny pennies, they will take home "silver" and "gold" pennies. Students can trade their old dirty oxidized pennies for shiny pennies at grocery or drug stores.

**Combining Fieldtrips:** While one class visits the chemistry lab, you can arrange to have the other class do another activity on campus. The classes switch during the second session. For example, you can arrange to visit the **Geology** lab, the touch tanks at the **Marine Science** Institute, the **Physics** lab or a **campus tour**.

**PHYSICS (Broida):** You can check if physics can accommodate you in their hands-on science center (the community science center) directed by Robert Pizzi. His phone number is 893-2553. Or email [rpizzi@physics.ucsb.edu](mailto:rpizzi@physics.ucsb.edu) Physics (Broida Hall) is across the lawn from chemistry so this makes it easy to walk over.

**MARINE SCIENCE TOUCH TANKS:** If you would like to visit the marine touch tanks the same day, their workshop is an hour so it works well to drop off the one class for the chemistry workshop, then the bus takes the other class to marine science. After the Marine science workshop, this class walks back to chemistry (fast pace 10 minute walk) and the other class walks over to marine science after their chemistry workshop. **They like to be contacted via email.**  
**E-mail:** [outreach@msi.ucsb.edu](mailto:outreach@msi.ucsb.edu)

## Geology / Earth Science Fieldtrip Outreach Contact Information:

Email Andy Wyss: [wyss@geol.ucsb.edu](mailto:wyss@geol.ucsb.edu)

Web Hall is one building past Physics, an easy walk from Chemistry.

Before you attend, you can make copies of the Earth Science Geology Field Trip Worksheet for your students. The worksheet is posted on our web site: <http://outreach.chem.ucsb.edu/>

**Campus Tour:** You can arrange to tour the campus or do a self-guided tour: Go to the “visitors” link on the UCSB home page website: <http://www.ucsb.edu/> .

**Campus Map:** [UCSB largemap.gif](#)

**Busses:** As you come up 101 North, take UCSB highway 217. As you enter the campus, stay to the right of the traffic circle to turn onto Mesa Road. Immediately around the bend, go straight through the stop light, then take the next left into parking Lot 11. At the stop sign turn left. Stop in the parking lot to let students out. Parking Lot 11 is behind the Chemistry building. Our workshops are in the Physical Science Building North (PSBN) which is connected to the Chemistry building. The Bus continues straight, turning out of Parking lot 11 back onto Mesa Road. **Schedule the bus to pick up students a half hour after the second session ends.**

**Parking:** As you come up 101 North, take UCSB highway 217. As you enter the campus, stay to the right of the traffic circle to turn onto Mesa Road. Immediately around the bend, turn left into the new parking structure, Lot 10. You will see many empty parking spaces with numbers on the first level as you enter the parking structure. Park your car, note the parking space number and buy a parking permit at one of the machines. These are metered parking spaces (you can stay in a given space for a maximum of 4 hours).

<b>Short Term Parking Rates</b> <i>The Pay Stations do not give change.</i> <i>\$1 and \$5 bills only.</i>	
30 minutes	\$2.00
1 Hour	\$3.00
2 Hours	\$4.00
3 Hours	\$5.00
<b>4 Hours</b> (this is the maximum time allowed in Lot 10)	<b>\$7.00</b>
Daily	\$8.00

There are two machines to buy permits, by the stairs/elevators on opposite sides of the parking structure. **Place the permit on the dash inside of your car.**

Our workshops are in the Physical Science Building North (PSBN). To get to PSBN you can walk back out toward the entrance of the parking structure (Lot 10). Facing the mountains, you will see a walkway on your left that goes directly to parking lot 11 (behind the chemistry building). The chemistry building is connected to the Physical Science Building North (PSBN). Walk past the bicycle parking area, turn left into the breezeway of PSBN. Restrooms are on your left as you enter the breezeway. Most of our workshops are scheduled in a lab on the ground floor or on the second floor of PSBN. For more details, see the campus map.