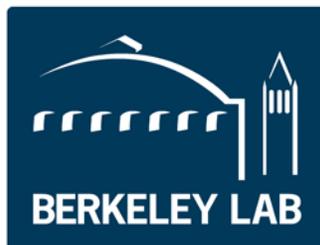


DAUGHTERS AND SONS TO WORK DAY 2014

Registration Information Packet

DAUGHTERS AND SONS TO WORK DAY (DSTW) will be held Thursday 24 April 2014

For the 20th consecutive year, Berkeley Lab will host guests of employees — girls and boys ages 9 to 16 — for a day of science and fun. DSTW generates a lot of enthusiasm among employees each year. As space is limited to 120 children, we advise early registration.



WORKFORCE
DEVELOPMENT
& EDUCATION

HOW TO REGISTER:

Enclosed is the DSTW registration information for you to review with your guest.

- 1) Complete Registration Form and Parent Consent Form and sign it.
- 2) Write a check payable to **UC REGENTS** for \$30 per participant and \$10 per non-volunteer parent lunch.
- 3) Send check and Parent Consent Form to DSTW, MS 7R0222 OR bring to room 7-209 by Friday 18 April. Keep the remaining information for your reference.

Space is limited and your registration will be made on a first-come, first-served basis.

HOW TO VOLUNTEER:

WD&E depends on volunteers to make this day possible for the 120 young future scientists and engineers that we host each year. The final page of this packet is a Volunteer Registration Form, which we encourage you to fill out and return, in order to make this event possible. **ALL VOLUNTEERS WILL RECEIVE A FREE LUNCH AND T-SHIRT.**

PROGRAM SCHEDULE FOR ALL PARTICIPANTS

All participants ages 9 to 16 will be assigned to one of five groups, and they will follow the schedule listed below. See program description for each age group.

Parents may join students for lunch for an additional \$10.00.

All parents are invited to the Ice Cream Social at the end of the day.

7:45	Registration	Cafeteria, Building 54
9:00	Opening Assembly	Building 50 Auditorium
9:45	1 st Workshop, Activity or Tour	Assigned Locations
11:15	2 nd Workshop, Activity or Tour	Assigned Locations
12:30	Lunch	ALS Patio (Building 6)
1:30	3 rd Workshop, Activity or Tour	Assigned Locations
3:00	Ice Cream Social & Sign-Out	Cafeteria, Building 54
3:30	All Participants Must Be Picked Up	Cafeteria, Building 54

MAIL REGISTRATION TO: DSTW, MS 7R0222

- No registration forms will be accepted after Friday 18 April
- Questions? Contact Joe Crippen at x5816

PROGRAM DESCRIPTIONS FOR AGES 9-11

LIQUID NITROGEN

Have you ever made ice cream using liquid air? Have you ever frozen a rubber band so that it shatters when you drop it? Have you ever made a cloud? You will do all of this when you explore Liquid Nitrogen. Learn about Liquid Nitrogen, its properties, and what it means to be nearly 200°C (320°F) below zero!

PAPER CIRCUITS

Spark your creativity and invent your own electrical circuits using metal tape and paper in this electrifying workshop. Light up a light bulb, make a motor spin, and design switches to power your creation.

SCIENCE FESTIVAL

Get Festive with scientists and engineers at the Daughters and Sons to Work Day Science Festival! Explore several hands-on activities that are fun, informative and relate to the work we do at Berkeley Lab.

PROGRAM DESCRIPTIONS FOR AGES 12-13

EXPLORING VOLCANOES

Use model volcanoes to investigate eruptions of different magmas. Discover the relationship between viscosity, temperature, and speed of lava flows in shield volcanoes.

PAPER CIRCUITS

Spark your creativity and invent your own electrical circuits using metal tape and paper in this electrifying workshop. Light up a light bulb, make a motor spin, and design switches to power your creation.

SCIENCE FESTIVAL

Get Festive with scientists at the Daughters and Sons to Work Day Science Festival! Participate in several hands-on activities that are fun, informative and that relate to the work we do at Berkeley Lab.

PROGRAM DESCRIPTIONS FOR AGES 14-16

GUESS WHO

Your challenge is to guess who is who! Match the person with the job description to discover who some of the people at the Lab are and what they do. The answers may surprise you!

OPTICS - REFLECTION

Observe and investigate the properties of reflected light using lasers and mirrors. Devise complicated pathways for lasers to focus light on an experimental sample.

LAB TOUR: NATIONAL CENTER FOR ELECTRON MICROSCOPY (NCEM)

One of Berkeley Lab's User Facilities, available for scientists from across the country for a variety of research projects, NCEM provides cutting-edge instrumentation, techniques and expertise for advanced electron beam microcharacterization of materials at high spatial resolution.

Safety Note: All participants must wear closed-toe shoes, and their legs must be covered.