

DAUGHTERS AND SONS TO WORK DAY 2007

REGISTRATION INFORMATION PACKET

Daughters and Sons to Work Day

(DSTW) Thursday, April 26, 2007. For the 14th 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 160 children, we advise early registration. Note: Workshops are offered in packages. Please have your guest refer to the workshop schedule and descriptions inside this brochure and select the first, second, and third choices for workshop packages she or he would like to attend. Indicate selections on the registration form. A fee of \$20 per child will be charged to cover expenses for this event.

How to Register: Enclosed is the DSTW registration information for you to review with your guest. Please fill out the registration form for 1 to 3 children. Send in the registration form with a check for \$20 per child, payable to UC Regents (address follows). Keep the remaining information for your reference. Assignments will be made on a first-come, first-served, basis. If your first choice is not available, you will be placed in your second or third choice workshop.



OPENING ASSEMBLY

9:15 – 10:30 Building, 50 Auditorium

MAIL REGISTRATION TO: MS 7R0222

- No registration forms will be accepted after April 20th
- Questions? Contact Joe Crippen at x5816

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PACKAGES AND DESCRIPTIONS FOR CHILDREN 9 TO 12 YEARS OF AGE

Listed below are the workshop packages for Daughters and Sons to Work Day. Descriptions of the workshops are on the following pages. Please select one (1) package and write the package number on the registration form in the space provided. Since workshops will be filled on a first-come, first-served, basis and limited to 15 kids, please include a second and third choice in case your first choice is not available. **Parents wishing to join the children for lunch will need to pay an additional \$5.00.** The schedule for Daughters and Sons to Work Day 2007 is:

8:30	Registration	Cafeteria Bldg. 54
9:15	Opening Assembly	Building 50 Auditorium
10:15	Girls Morning Workshops	Assigned Locations
10:15	Boys Career Fair	ALS Patio*
11:45	Lunch	Building 50 Auditorium
1:15	Boys Afternoon Workshops	Assigned Locations
1:15	Girls Career Fair	ALS Patio*
2:30	Ice Cream Social & Sign-Out	Cafeteria Bldg. 54

Package 1	Virtual Visit to Mars
Package 2	Liquid Nitrogen
Package 3	Structures/Changes in Matter
Package 4	DNA Spooling "The Building Structures of Life"

* In case of rain, the career fair will move to Perseverance Hall

WORKSHOP AND DESCRIPTIONS FOR CHILDREN 13 TO 16 YEARS OF AGE

Children 13 to 16 years of age will participate in two separate workshops and attend a lunch talk. This workshop will be limited to 25 participants. **Lunch will not be available for parents.**

8:30	Registration	Cafeteria Bldg. 54
9:15	Opening Assembly	Building 50 Auditorium
10:00	Morning Workshop (Accelerator & Fusion Research Division)	Building 71
12:00	Lunch with Margaret Torn (Earth Sciences Division)	Building 50A-5132
1:00	Afternoon Workshop (Life Sciences)	Building 55
3:00	Ice Cream Social & Sign-Out	Cafeteria Bldg. 54

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VIRTUAL VISIT TO MARS

What are the scientists using to look at Mars from ground level? The Mars cameras are of the highest digital quality and afford a view of Mars that has never been seen before. You will get to use a set of special glasses to view Mars images in 3D and understand the grandeur of another world in our solar system.

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 experience the properties of Liquid Nitrogen (LN). Learn about Liquid Nitrogen, its properties, and what it means to be $-195.8\text{ }^{\circ}\text{C}$ ($-320.4\text{ }^{\circ}\text{F}$) below zero!

STRUCTURES AND CHANGES IN MATTER

Have you used a voltmeter? How about a Ray Gun to measure temperature? Have you ever deflated a balloon without letting the air out? Participants will do activities related to electrical and thermal conductivity and changes in matter. You will have hands-on experiences with electrical circuits, metal conducting rods, dry ice and many different instruments including voltmeters, stop-watches and science lab ware. You will also find elements on your own periodic table.

DNA SPOOLING "THE BUILDING STRUCTURES OF LIFE"

Explore the mysteries of DNA and genomes in this workshop from the Genome Science Lab. Learn about DNA structure by building a class model, then experience first-hand how to extract DNA from fruit.

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REGISTRATION INFORMATION PACKET

GUEST REGISTRATION FORM (Please Print Legibly)

Name of guest (1):		Male or Female:		
Age:	School Grade:	My guest is attending for the: 1st year 2nd year 3rd year		
What is your relationship to the participant:				
My guest would like to attend workshop package:		1st choice:		
		2nd choice:		
		3rd choice:		
T-Shirt Size: (adult sizes)		<input type="checkbox"/> XL	<input type="checkbox"/> Large	<input type="checkbox"/> Medium <input type="checkbox"/> Small
Lunch Choice: (check one only)				
Children 9 to 12 years of age:		<input type="checkbox"/> BBQ Hot Dog	<input type="checkbox"/> Hamburger	<input type="checkbox"/> Veggie Burger
Children 13 to 16 years of age will be served a box lunch:		<input type="checkbox"/> Roast Beef Sandwich	<input type="checkbox"/> Chicken Sandwich	<input type="checkbox"/> Veggie Sandwich
				Registration fee for 1 guest total: \$20

Name of guest (2):		Male or Female:		
Age:	School Grade:	My guest is attending for the: 1st year 2nd year 3rd year		
What is your relationship to the participant:				
My guest would like to attend workshop package:		1st choice:		
		2nd choice:		
		3rd choice:		
T-Shirt Size: (adult sizes)		<input type="checkbox"/> XL	<input type="checkbox"/> Large	<input type="checkbox"/> Medium <input type="checkbox"/> Small
Lunch Choice: (check one only)				
Children 9 to 12 years of age:		<input type="checkbox"/> BBQ Hot Dog	<input type="checkbox"/> Hamburger	<input type="checkbox"/> Veggie Burger
Children 13 to 16 years of age will be served a box lunch:		<input type="checkbox"/> Roast Beef Sandwich	<input type="checkbox"/> Chicken Sandwich	<input type="checkbox"/> Veggie Sandwich
				Registration fee for 2 guest total: \$40

Name of guest (3):		Male or Female:		
Age:	School Grade:	My guest is attending for the: 1st year 2nd year 3rd year		
What is your relationship to the participant:				
My guest would like to attend workshop package:		1st choice:		
		2nd choice:		
		3rd choice:		
T-Shirt Size: (adult sizes)		<input type="checkbox"/> XL	<input type="checkbox"/> Large	<input type="checkbox"/> Medium <input type="checkbox"/> Small
Lunch Choice: (check one only)				
Children 9 to 12 years of age:		<input type="checkbox"/> BBQ Hot Dog	<input type="checkbox"/> Hamburger	<input type="checkbox"/> Veggie Burger
Children 13 to 16 years of age will be served a box lunch:		<input type="checkbox"/> Roast Beef Sandwich	<input type="checkbox"/> Chicken Sandwich	<input type="checkbox"/> Veggie Sandwich
				Registration fee for 3 guest total: \$60

Will you be attending the Lunch (9 to 12 years of Age)? Add \$5.00 TOTAL AMOUNT: \$

Send to: DSTW, CSEE, MS 7R0222

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REGISTRATION INFORMATION PACKET

BERKELEY LAB EMPLOYEE/PARENT CONSENT FORM (Please Print Legibly)

Name:

Department:

Division:

Extension:

Cell phone/pager:

Mail Stop:

- Please do not take your child off site for lunch or out of workshops without making prior arrangements with CSEE staff before April 26, 2007.
 - You must forward your phones to a person who knows where you will be at all times or have your cell phone listed and on.
 - Parents must attend Ice Cream Social beginning at 2:30 p.m. in the Cafeteria so they may sign their guest(s) out.
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I agree to allow my child _____ (Guest 1), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the laboratory in case of an accident.

Parent/Guardian

Phone:

I agree to allow my child _____ (Guest 2), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the laboratory in case of an accident.

Parent/Guardian

Phone:

I agree to allow my child _____ (Guest 3), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the laboratory in case of an accident.

Parent/Guardian

Phone:

Registration deadline is April 20th • Enrollment is limited to 160 children

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REGISTRATION INFORMATION PACKET

CHAPERONE REGISTRATION FORM (Please Print Legibly)

Name:

Department:

Division:

Extension:

Cell phone/pager:

Mail Stop:

T-Shirt Size: (adult sizes)

XL Large Medium Small

Lunch Choice: (Check One Only)

Children 9 to 12 years of age: BBQ Hot Dog Hamburger Veggie Burger

Please check all that you may be able to help with:

- All Day, All Events (T-Shirt included)
- Registration (T-Shirt not included)
- Morning Workshop Registration (T-Shirt not included)
- Lunch Registration (T-Shirt not included)
- Afternoon Workshop Registration (T-Shirt not included)

Send to: DSTW, CSEE, MS 7R0222