

# Lawrence Berkeley National Laboratory

## Nuclear Science Day for Girl Scouts and Boy Scouts 2011

The Nuclear Science Division at Lawrence Berkeley National Laboratory in Berkeley is hosting a **free** day-long event for Girl Scouts and Boy Scouts on **March 5, 2011**. This inaugural Nuclear Science Day coincides with the centennial of the discovery of the atomic nucleus by Ernest Rutherford and the awarding of the Nobel Prize to Marie Curie for the discoveries of radium and polonium.

Girl Scouts and Boy Scouts in the Bay Area will learn about the ABC's of nuclear science and participate in a number of exciting and educational activities, including:

- a tour of the 88-Inch Cyclotron (where several of the heaviest known isotopes were discovered);
- detection of cosmic rays;
- investigation of radioactivity in our daily lives.

Upon completion of the day's activities, all participants will earn the event patch. Boy Scouts who complete a prerequisite worksheet will earn the Nuclear Science Merit Badge.

The following is the preliminary schedule:

9:30 AM	Troop check-in begins
10:00 AM	Welcome and introduction
10:30 AM - 12:00 PM	Morning activities
12:00 PM - 1:00 PM	Lunch (Participants bring own lunches)
1:00 PM - 3:00 PM	Afternoon activities

Please check the website for the final schedule.

To register, complete and return this form by **February 11, 2011**. Space is limited. **Registration will be handled on a first-come, first-served basis.**

Please mail the completed form to:

Nuclear Science Day for Scouts 2011  
% Daphne Trowbridge-Williams  
Lawrence Berkeley National Laboratory  
MS 88R0192  
1 Cyclotron Road  
Berkeley, CA 94720

or e-mail its scanned image in PDF format to [NuclearScienceDay11@lbl.gov](mailto:NuclearScienceDay11@lbl.gov).

For the latest information, please check the website [NuclearScienceDay11.lbl.gov](http://NuclearScienceDay11.lbl.gov).

Inquiries can also be made e-mail at [NuclearScienceDay11@lbl.gov](mailto:NuclearScienceDay11@lbl.gov), or by phone at (510) 486-7849.

Please note:

1. Youth participants should be in Grades 6-12.
2. All participants (adult volunteers and youths) **must** wear long pants and closed-toe shoes.
3. Girl Scouts should have their Annual Permission forms on file with their troop and up-to-date health history forms should be carried by the adult volunteers. Adult BSA volunteers should have a tour permit.
4. Participants should bring their own lunches and water bottles.
5. Participants should prepare for the weather as they will need to walk between buildings.
6. The prerequisite worksheet for the Boy Scout Nuclear Science Merit Badge will be distributed on our event website by early February. The BSA Nuclear Science Merit Badge can be completed only if this worksheet and the activities at the event are successfully completed.

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## Troop Registration Form

GS: \_\_\_ BSA: \_\_\_ Troop # \_\_\_\_\_  
Council: \_\_\_\_\_ District: \_\_\_\_\_  
Adult contact: \_\_\_\_\_ Phone: \_\_\_\_\_  
Email: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Name	Age	Adult
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Comments: