



STEM in SCOUTING



PG&E and Los Padres Council have partnered in efforts to give our youth special experiences and help them achieve several STEM awards including the BSA NOVA award.

PG&E will be hosting a
Nuclear Science Merit Badge Day
September 23, 2017.

The Merit Badge workshop does not include a tour of the Diablo Canyon Power Plant.
Registrations is limited to 40 participants.

Registration Questions should be directed to Paul Bradley at O (805) 461-4019, C (916) 257-9728 or
paul.bradley@scouting.org

FEE: \$5.00 Registration (Monies are used to pay for indirect overhead fees of event.)

Refreshments and Facility are provided by PG&E.

PG&E Education Center
6588 Ontario Rd, Avila, CA

9:00 AM to 1:00 PM



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Greetings Scouts and Future Nuclear Scientists

PG&E is excited to offer the Nuclear Science Merit Badge.

You will enjoy a day of interactive presentations and activities for this event, so bring your enthusiasm and curiosity as we explore the world of Nuclear Science.

When we've completed our time together, you should be able to go back to your school classrooms and pass along all the knowledge and excitement you've learned here.

We will use the Nuclear Science workbook (revised 2011) located at:

http://meritbadge.org/wiki/index.php/Merit_Badge_Worksheets

We will review and complete most of the requirements for the Nuclear Science Merit Badge at the **PG&E Education Center, 6588 Ontario Rd, Avila, CA** during your visit. So, there is no need to complete the workbook prior to the class unless you want a better understanding of the class material (except for Section 4).

There are some items **you will need to complete prior to arriving** at the PG&E Education Center Nuclear Science Workshop:

- 1) Bring your filled-out BSA merit badge blue card with you**
 - 2) Complete section 4 of the Nuclear Science Workbook.**
- You only need to complete TWO of the items within section 4. We suggest item "c" and item "d".**

• Some suggestions for item "4c" are:

- purchase some MRE's (meals-ready-to eat) from a local military surplus store or a camping outfitter store. The MRE's have been irradiated to kill any bacteria within the food for long term storage. Complete the questions in item 4c.

• Some suggestions for item "4d" are:

- home smoke detectors (Am-241)
- business tritium exit signs
- tritium in gun sights, do not bring gun sights with you to the event
- water softener potassium chloride (K-40) pellets from Home Depot
- Dentist or Doctor office, x-ray machines
- you can find information on the internet (with your parents approval) by searching NORM and TENORM.

If you don't complete Section 4 of the Nuclear Science Workbook prior to the workshop, we will not be able to completely sign off your blue card.

If you have any questions prior to arrival at the Nuclear Science Workshop, please contact the following individuals:

Logistics:
Lindsey Miller
LNMU@pge.com
805-595-6463

Subject Matter Expert:
Martin Wright
MBW1@pge.com
805-545-3821