

Energy Merit Badge Pre-Work

Energy is a 4 hour class. Scouts should bring a snack and plenty of water. Please no red liquids. Scouts will be spending the some of the session outside. Please have them wear sunscreen and insect repellent.

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What to bring:

- Blue card, pen, and pencil
- Appropriate clothing, including close-toed shoes
- Snack and water
- Pre-work

Pre-work:

1. Do the following:
 - a. Find an article on the use or conservation of energy. Discuss with your counselor what in the article was interesting to you, the questions it raises, and what ideas it addresses that you do not understand.
 - b. After you have completed requirements 2 through 8, revisit the article you found for requirement 1a. Explain to your counselor what you have learned in completing the requirements that helps you better understand the article.
4. Conduct an energy audit of your home. Keep a 14 day log that records what you and your family did to reduce energy use. Include the following in your report and, after the 14 day period, discuss what you have learned with your counselor.
 - a. List the types of energy used in your home such as electricity, wood, oil, liquid petroleum, and natural gas, and tell how each is delivered and measured, and the current cost; OR record the transportation fuel used, miles driven, miles per gallon, and trips using your family car or another vehicle.
 - b. Describe ways you and your family can use energy resources more wisely. In preparing your discussion, consider the energy required for the things you do and use on a daily basis (cooking, showering, using lights,

driving, watching TV, using the computer). Explain what is meant by sustainable energy sources. Explain how you can change your energy use through reuse and recycling.

If you have any questions or concerns, feel free to contact Emily Cole at emily.cole@fairfaxcounty.gov, or call (703) 941-1065.