



MINING IN SOCIETY MERIT BADGE AT RIVERBEND PARK

Important general Merit Badge information for parents:

- Be sure that you are familiar with the requirements for the merit badge your scout has selected. Some badges may take considerable time and planning to complete and may not be appropriate for younger scouts. Blue cards must be signed by your Troop Leader prior to attending the merit badge class. Park staff will not sign off on any blue cards missing this signature.
- Most merit badges are not designed to be completed in a single session with an instructor, so it is not always possible to walk away with a completed and signed blue card at the end of a program. Every badge requires some independent work by your scout.
- FCPA-Riverbend Park will provide staff, meeting BSA Youth Protection guidelines for male and female scouts, and supervision ratios. Parent/guardian **MUST** sign-in, and sign-out each participant(s) from the class. If you provided your own transportation, you may sign-in and sign-out yourself from the class. There is no fee if adults wish to stay during the class.

Below is the recommended pre-work to be completed before the program:

Please record the responses to these questions in your merit badge workbook or on a separate piece of paper **AND BRING THIS PREWORK TO CLASS**. Please attach photo evidence or any supplementary data sheets if the question requires you to provide this information. Merit badge worksheets may be downloaded from [Mining in Society merit badge \(usscouts.org\)](https://usscouts.org) and brought to class. These worksheets help scouts organize their homework and classwork.

5. Do **ONE** of the following:

- a. With your parent's approval and your counselor's assistance, use the Internet to find and take a virtual tour of two types of mines. Determine the similarities and differences between them regarding resource exploration, mine planning and permitting, types of equipment used, and the minerals produced. Discuss with your counselor what you learned from your Internet-based mine tours.
- b. With your parent or guardian's permission and counselor's approval, visit a mining or minerals exhibit at a museum. Find out about the history of the museum's exhibit and the type of mining it represents. Give three examples of how mineral resources have influenced history.

- c. With your parent or guardian's permission and counselor's approval, visit an active mine.* Find out about the tasks required to explore, plan, permit, mine, and process the resource mined at that site. Take photographs if allowed, and request brochures from your visit. Share photos, brochures, and what you have learned with your counselor.
 - d. With your parent or guardian's permission and counselor's approval, visit a mining equipment manufacturer or supplier.* Discuss the types of equipment produced or supplied there, and in what part of the mining process this equipment is used. Take photographs if allowed, and request brochures from your visit. Share photos, brochures, and what you have learned with your counselor.
 - e. Discuss with your counselor two methods used to reduce rock in size, one of which uses a chemical process to extract a mineral. Explain the difference between smelting and refining.
 - f. Learn about the history of a local mine, including what is or was mined there, how the deposit was found, the mining techniques and processes used, and how the mined resource is or was used. Find out from a historian, community leader, or business person how mining has affected your community. Note any social, cultural, or economic consequences of mining in your area. Share what you have learned with your counselor.
6. Do the following:
- a. Explain reclamation as it is used in mining and how mine reclamation pertains to Scouting's no-trace principles.
 - b. Discuss with your counselor what values society has about returning the land to the benefit of wildlife and people after mining has ended. Discuss the transformation of the BSA Summit Bechtel Family National Scout Reserve from a mine site to its current role.
8. Do **ONE** of the following:
- a. With your parent or guardian's and counselor's approval, meet with a worker in the mining industry. Discuss the work, equipment, and technology used in this individual's position, and learn about a current project. Ask to see reports, drawings, and/or maps made for the project. Find out about the educational and professional requirements for this individual's position. Ask how the individual's mining career began. Discuss with your counselor what you have learned.
 - b. Find out about three career opportunities in the mining industry. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.
 - c. With your parent or guardian's permission and counselor's approval, visit a college, university, or trade school to learn about educational and training requirements for a position in the mining industry that interests you. Find out why this position is critical to the mining industry, and discuss what you learned with your counselor.

*Visiting a mine site, a mining equipment manufacturer, or an equipment supplier requires advance planning. These sites can be potentially dangerous. You will need permission from your parents and counselor, and the manager of the mine site, or equipment manufacturer or supplier. While there, you will be required to follow closely the site manager's instructions and comply with all safety rules and procedures, including wearing appropriate clothing, footwear, and personal safety equipment.

What to bring to the program:

- Your completed homework. It is OK if you cannot complete the homework before class. You can email completed homework at a later date for sign-off.
- Come prepared to discuss and present your homework. As we move from one topic to the next during class, scouts will be asked to present homework elements completed. It will be more important to prove that you have understood a requirement orally rather than just presenting written information.
- Your blue card signed off by your Troop Leader
- Wear weather appropriate clothing/outerwear. We will not go outdoors in heavy rain or thunderstorms but many of our badges include some outdoor element.
- You may wear your scout uniform but it is NOT required.
- Pencil, pen, or some sort of writing utensil.
- Download the merit badge worksheets from meritbadge.com and bring these worksheets to class with your prework written in them. We usually will not require the scouts to fill out every part of this workbook during the merit badge but they can use it to take notes while listening to the lecture.
- Flashlight, if the program is held after dusk.
- Bring a water and snack and a lunch if you think you may need it as many of these sessions are very long and run past normal lunch hours.

WHAT NOT TO BRING:

Merit badges are a place for learning and require the same attention and respect as would be expected in a school setting. In order for your scout to be successful and stay on task, the following items should stay at home or in backpacks and will not be permitted during the program:

- Weapons of any kind are strictly prohibited and will be confiscated and may or may not be returned. Depending on the type of weapon, further disciplinary or legal action may be pursued. Exceptions include camping or fishing tools/knives as long as they stay concealed and are used appropriately.
- Vapes, E-cigarettes, & other nicotine products are illegal for anyone under 21 years of age to possess. They are strictly prohibited and will be confiscated and not returned.
- Handheld gaming systems such as a DS or a Switch are not permitted and will be confiscated and given back at the close of the program.
- Cell phones ARE PERMITTED for emergency use and/or contacting parents & guardians but if they become a distraction they may be confiscated.
- Toys, books, games, or anything deemed a distraction during the program will be confiscated and returned at the end. Exceptions include quiet and inconspicuous fidget toys. If your scout has accommodations that would require them to use fidget toys to focus please let us know before the program.
- Headphones/Air pods are not allowed but we understand that these devices can be helpful for some people with sensory processing disorders. Again, if your scout has accommodations that would require them to use headphones please let us know before the program.

Work completed after the program:

During the program, the merit badge counselor will do a demonstration or explain the process for completing the final merit badge requirements. Your scout must provide evidence of completion in order to obtain blue card sign-off. Digital photographs of your scout doing the element and a picture of the completed requirement will be sufficient evidence, unless otherwise stated.

If your scout needs blue card sign-off after the class date, your merit badge counselor will let you know how to contact them with remaining requirements. Please call the park at 703-759-9018 to arrange a time to meet with a merit badge counselor or email your counselor directly.

Thank you and we look forward to working with your Scout!

Casey Tinius

Sr. Interpreter & Programs Director

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