



INSECT STUDY 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 [Insect Study Merit Badge \(usscouts.org\)](https://usscouts.org) and brought to class. These worksheets help scouts organize their homework and classwork.

1. Do the following:

- a. Explain to your counselor the most likely hazards associated with exposure to ants and bees and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.
- b. Discuss the prevention of and treatment for health concerns that could occur while working with ants and bees, including insect bites and anaphylactic shock.

9. Raise an insect through the complete metamorphosis from its larval stage to its adult stage (e.g. raise a butterfly or moth from a caterpillar.*

**Some insects are endangered species and are protected by federal or state law. Every species is found only in its own special type of habitat. Be sure to check natural resources authorities in advance to be sure that you will not be collecting any species that is known to be protected or endangered, or in any habitat where collecting is prohibited. In most cases, all specimens should be returned at the location of capture after the requirement is met. Check with your merit badge counselor for those instances where the return of these specimens would not be appropriate.*

10. Do ONE of the following:

- a. Observe an ant colony in a formicarium (ant farm). Find the queen and worker ants. Explain to your counselor the different chambers found within an ant colony.
- b. Study a hive of bees. Remove the combs and find the queen. Estimate the amount of brood and count the number of queen cells. Explain how to determine the amount of honey in the hive.

13. Find out about three career opportunities in insect study. Pick one and find out about the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

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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