

2024 EBSR Merit Badge Prerequisites List

What is a prerequisites?

Pre-requisites are requirements within merit badges that need to be completed before attending summer camp at Ed Bryant Scout Reservation.

How do we determine if a requirement becomes a pre-requisite?

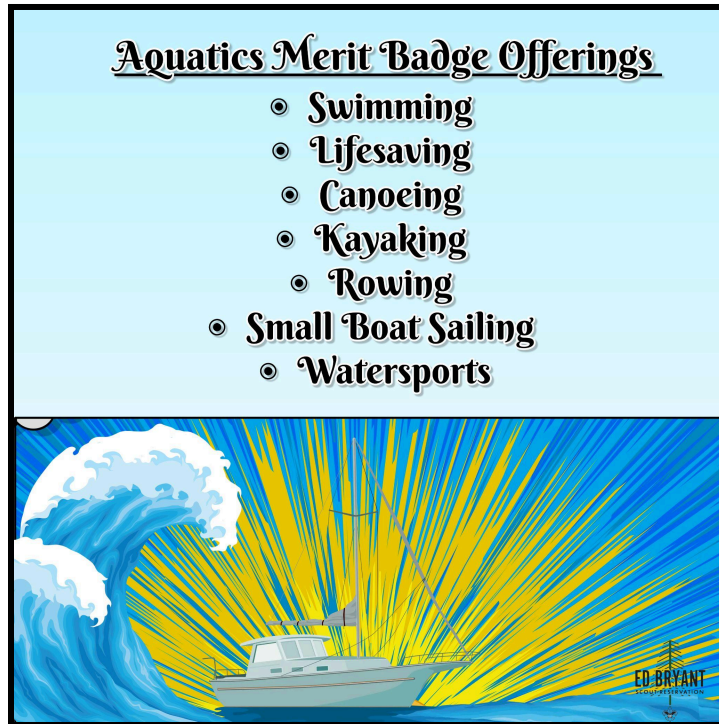
The way that we determine whether a requirement is a pre-requisite or not is based on what it involves and if we have the required materials so Scouts can complete the requirement. It is usually requirements that involve months of work, field trips to other facilities, rank advancements/merit badges that need to be completed before taking a specific merit badge, and other reasons!

Listed below are all of the merit badges we are offering in Summer 2024! While all Merit Badges are listed, not all will have requirements that need to be completed before attending summer camp which is why they are noted as not having any pre-requisites. It is also worth noting that there are requirements that have options to choose from. The options listed on this sheet are the ones we are unable to do but there are other options to choose from that can be completed at camp. An example of such would be Requirement 3A in the Environmental Science Merit badge. There are three options to choose from and due to time scouts will be unable to complete A1/A2 unless done before attending camp but scouts can complete A3 while at camp. Please make sure anything completed ahead of time that a scout needs to have checked off is brought with them to camp. There are certain exceptions to this but any and all items completed ahead of time have to have proof.

It is also important to note, that any clothing requirements and age restrictions are also listed below as well.

Aquatics

Important Note: The reason why the requirement involving swim tests is listed is because of the need to pass the test to take the badge. This does NOT mean you have to attend a pre-check swim event prior to summer camp as we do administer swim tests on Sunday when you arrive.



❖ Swimming Merit Badge

- **2.** Before doing the following requirements, successfully complete the BSA swimmer test: Jump feet first into water over the head in depth. Level off and swim 75 yards in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards using an easy, resting backstroke. The 100 yards must be completed in one swim without stops and must include at least one sharp turn. After completing the swim, rest by floating.

❖ Lifesaving Merit Badge

- **2.** Before doing requirements 3 through 15:
 - **A.** Earn the Swimming merit badge.
 - **B.** Swim continuously for 400 yards using each of the following strokes in a strong manner, in good form with rhythmic breathing, for at least 50 continuous yards: front crawl, sidestroke, breaststroke, and elementary backstroke.

❖ **Canoeing Merit Badge**

- **2.** Before doing the following requirements, successfully complete the BSA swimmer test: Jump feet first into water over the head in depth. Level off and swim 75 yards in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards using an easy, resting backstroke. The 100 yards must be completed in one swim without stops and must include at least one sharp turn. After completing the swim, rest by floating

❖ **Kayaking Merit Badge**

- **2.** Before doing requirements 3 through 8, successfully complete the BSA swimmer test: Jump feet first into water over the head in depth. Level off and swim 75 yards in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards using an easy, resting backstroke. The 100 yards must be completed in one swim without stops and must include at least one sharp turn. After completing the swim, rest by floating.

❖ **Small Boat Sailing Merit Badge**

- **2.** Before doing requirements 3 through 9, successfully complete the BSA swimmer test: Jump feet first into water over the head in depth. Level off and swim 75 yards in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards using an easy, resting backstroke. The 100 yards must be completed in one swim without stops and must include at least one sharp turn. After completing the swim, rest by floating.

❖ **Rowing Merit Badge**

- **2.** Before completing requirements 4, 5, 6, and 7, successfully complete the BSA swimmer test.
- **3b.** Participate as a rowing team member in a competitive rowing meet. The team may be sponsored by a school, club, or Scout unit. The meet must include competition between two or more teams with different sponsors. Complete at least 10 hours of team practice prior to the meet

- **5.** Do ONE of the following:
 - **b.** In a sliding-seat rowboat, come alongside a pier and, with your buddy assisting you, get out onto the pier. Help your buddy

into the boat. Reverse roles with your buddy and repeat the procedure.

❖ **SPECIAL PROGRAM(S)**

➤ **Jet Skis**

- Please bring a printed copy of your boater license and a printed signed copy of your parent/guardian consent form with you to camp.
 - You MUST sign up on blackpug ahead of time and there is also a \$65 fee

COPE and Climbing/Wheels



❖ **Climbing Merit Badge**

- There are no requirements that need to be completed ahead of time for this Merit Badge.

❖ **CLOTHING REQUIREMENTS**

- Appropriate Climbing Shoes.
 - Climbing Shoes or Sneakers.
- Non Baggy Clothing.

❖ **COPE Activities**

- If a troop/patrol would like to participate in COPE/Teambuilding activity please talk to the COPE Director to schedule a time to do so when you are at camp.

❖ **ATV's**

- Scouts must be 14 years of age
- You **MUST** bring Long Pants, Long Sleeves, and closed-toed shoes to be able to participate
- You need to bring a printed copy of your ASI certificate and Signed consent form to camp.
- Make sure you complete the **ASI training** and **NOT** the DNR ATV course.

Ecology and Conservation



❖ **Weather Merit Badge**

- **9B.)** Visit a National Weather Service office or talk with a local radio or television weathercaster, private meteorologist, local agricultural extension service officer, or university meteorology instructor. Find out what type of weather is most dangerous or damaging to your community. Determine how severe weather and flood warnings reach the homes in your community.

❖ **Nature Merit Badge**

- **4.** Do all of the requirements in FIVE of the following fields:
 - **(4A)** Birds
 - **(2)** Make and set out a birdhouse OR a feeding station OR a birdbath. List what birds used it during a period of one month.

- **(4D)** Insects and Spiders
 - **(2)** Hatch an insect from the pupa or cocoon; OR hatch adults from nymphs, OR keep larvae until they form pupae or cocoons; OR keep a colony of ants or bees through one season.
- **(4F)** Mollusks and Crustaceans.
 - **(2)** Collect, mount, and label six shells.

❖ **Astronomy Merit Badge**

- **8.** With your counselor's approval and guidance, do ONE of the following:
 - **8A).** Visit a planetarium or astronomical observatory. Submit a written report, a scrapbook, or a video presentation afterward to your counselor that includes the following information:
 - **(1)** Activities occurring there
 - **(2)** Exhibits and displays you saw
 - **(3)** Telescopes and other instruments being used
 - **(4)** Celestial objects you observed
 - **8C.)** Plan and host a star party for your Scout troop or other group such as your class at school. Use binoculars or a telescope to show and explain celestial objects to the group.
 - **8D.)** Help an astronomy club in your community hold a star party that is open to the public.
 - **8E.)** Personally take a series of photographs or digital images of the movement of the Moon, a planet, an asteroid, meteor, or a comet. In your visual display, label each image and include the date and time it was taken. Show all positions on a star chart or map. Show your display at school or at a troop meeting. Explain the changes you observed.
- **NOTE: Star Hike for Astronomy will begin at 10:30 pm Tuesday Evening. Participants will meet at the flagpole outside of the dining hall then make their way to the parade field. Those participating in the Wilderness Survival outing and are taking Astronomy are allowed to attend the star hike then return to the sleeping area for the rest of the evening. Please keep in mind the day the hike is held may also change due to visibility and weather.**

❖ **Fishing Merit Badge**

- **10.** If regulations and health concerns permit, clean and cook a fish you have caught. If you are unable to catch a fish for eating, acquire a fish, clean the fish you acquired, and cook the fish you acquired. (It is not required that you eat the fish.)

❖ **Bird Study Merit Badge**

- **8.** Do ONE of the following:
 - **(8A)** Go on a field trip with a local club or with others who are knowledgeable about birds in your area.
 - **(1)** Keep a list or fill out a checklist of all the birds your group observed during the field trip.
 - **(2)** Tell your counselor which birds your group saw and why some species were common and some were present in small numbers.
 - **(3)** Tell your counselor what makes the area you visited good for finding birds.
 - **(8C)** Participate in a bird banding program with an approved federal or state agency, university researcher, bird observatory, or certified private individual.
 - **(1)** Explain who is able to band birds and why.
 - **(2)** Explain why birds get banded.
 - **(3)** Explain what kinds of birds get banded.
 - **(4)** Tell how the birds were captured, the number of bird species recorded during your visit, and your role in the program.
- **9.** Do ONE of the following. For the option you choose, describe what birds you hope to attract, and why.
 - **(9B)** Build a birdbath and put it in an appropriate place.
 - **(9C)** Build a backyard sanctuary for birds by planting trees and shrubs for food and cover.
 - **(9D)** Build a nest box for a species of your choice using plans approved by your counselor.

❖ **Environmental Science Merit Badge**

➤ **3.)** Do ONE activity from EACH of the following categories (using the activities in this pamphlet as the basis for planning and projects):

■ **A. Ecology**

- **(1)** Conduct an experiment to find out how living things respond to changes in their environments. Discuss your observations with your counselor.
- **(2)** Conduct an experiment illustrating the greenhouse effect. Keep a journal of your data and observations. Discuss your conclusions with your counselor.

■ **B. Air Pollution**

- **(1)** Perform an experiment to test for particulates that contribute to air pollution. Discuss your findings with your counselor.
- **(2)** Record the trips taken, mileage, and fuel consumption of a family car for seven days, and calculate how many miles per gallon the car gets. Determine whether any trips could have been combined (“chained”) rather than taken out and back. Using the idea of trip chaining, determine how many miles and gallons of gas could have been saved in those seven days.

■ **C. Water Pollution**

- **(2)** Conduct an experiment to identify the methods that could be used to mediate (reduce) the effects of an oil spill on waterfowl. Discuss your results with your counselor.

■ **D. Land Pollution**

- **(2)** Perform an experiment to determine the effect of an oil spill on land. Discuss your conclusions with your counselor.

■ **E. Endangered Species**

- **3.)** With your parent’s and counselor’s approval, work with a natural resource professional to identify two projects that have been approved to improve the habitat for a threatened or endangered species in your area. Visit the site of one of these projects and report on what you saw.

■ **F. Pollution Prevention, Resource Recovery, and Conservation**

- **(1)** Look around your home and determine 10 ways your family can help reduce pollution. Practice at least two of these methods for seven days and discuss with your counselor what you have learned.
- **(2)** Determine 10 ways to conserve resources or use resources more efficiently in your home, at school, or at camp. Practice at least two of these methods for seven days and discuss with your counselor what you have learned.

■ **G. Pollination**

- **(3)** Hive a swarm OR divide at least one colony of honey bees. Explain how a hive is constructed.

❖ **Soil and Water Conservation Merit Badge**

- There are no pre-reqs for this Merit Badge

SWAMP



❖ Art Merit Badge

- **6.** With your parent's permission and your counselor's approval, visit a museum, art exhibit, art gallery, artists' co-op, or artist's workshop. Find out about the art displayed or created there. Discuss what you learn with your counselor.

❖ Basketry Merit Badge

- There are no prerequisites for this Merit Badge.

❖ Leatherwork Merit Badge

- **5.** Do ONE of the following:
 - **5B.)** Tan the skin of a small animal. Describe the safety precautions you will take and the tanning method that you used.
 - **5C.)** Recondition or show that you can take proper care of your shoes, a baseball glove, a saddle, furniture, or other articles of leather. Discuss with your counselor the advantages or disadvantages of leather vs. synthetic materials.

- **5D.)** Visit a leather-related business. This could be a leathercraft supply company, a tannery, a leather goods or shoe factory, or a saddle shop. Report on your visit to your counselor.

❖ **Wood Carving Merit Badge**

- **2.** Do the following:
 - **2A.)** Earn the Totin' Chip recognition.

❖ **Indian Lore Merit Badge**

- **4.** Do the following:
 - **(4C)** Learn a game played by a group or tribe. **Teach and lead it with a Scout group.**
- **5.** Do ONE of the following:
 - **(5B.)** Attend a contemporary American Indian gathering. Discuss with your counselor the proper etiquette for attending as well as what you learned and observed during your visit.

❖ **Metalworking Merit Badge**

- **5.** After completing the first four requirements, complete at least ONE of the options listed below.
 - **A. Option 1—Sheet Metal Mechanic/Tinsmith**
 - **1)** Name and describe the use of the basic sheet metalworking tools.
 - **2)** Create a sketch of two objects to make from sheet metal. Include each component's dimensions on your sketch, which need not be to scale.
 - **3)** Make two objects out of 24- or 26-gauge sheet metal. Use patterns either provided by your counselor or made by you and approved by your counselor. Construct these objects using a metal that is appropriate to the object's ultimate purpose, and using cutting, bending, edging, and either soldering or brazing.
 - ◆ **A)** One object also must include at least one riveted component.
 - ◆ **B)** If you do not make your objects from zinc-plated sheet steel or tin-plated sheet steel, preserve your work from oxidation.

- **B. Option 2—Silversmith**
 - **1)** Name and describe the use of a silversmith's basic tools.
 - **2)** Create a sketch of two objects to make from sheet silver. Include each component's dimensions on your sketch, which need not be to scale.
 - **3)** Make two objects out of 18- or 20-gauge sheet copper. Use patterns either provided by your counselor or made by you and approved by your counselor. Both objects must include a soldered joint. If you have prior silversmithing experience, you may substitute sterling silver, nickel silver, or lead-free pewter.
 - ◆ **A)** At least one object must include a sawed component you have made yourself.
 - ◆ **B)** At least one object must include a sunken part you have made yourself.
 - ◆ **C)** Clean and polish your objects.

- **Clothing Requirements and Age Restrictions for Forge**
 - Scouts **MUST** have Long Pants and Closed-Toed Shoes
 - NO CROCS.

 - ALL Scouts participating in Metalworking Merit Badge **MUST be 14 years of age or older**. Scouts who have already taken metalworking Merit badges may attend Open Forge nights during the week but are not allowed to forge during the times reserved for Merit Badge work. See the Schedule below for the correct times as the schedule in the leader's guide is incorrect.
 - OPEN FORGE for both youth and adults are to be determined at this time (February 2024)

- **NOTE: Scouts can finish the Metalworking Merit Badge while at camp. We can fulfill the requirements for Foundry and Blacksmith. The ones listed above are ones we are unable to fulfill. They are ONLY listed above as a pre-requisite for scouts who would prefer to do those.**

FORGE SCHEDULE

MONDAY

Session One

9:00 am - 12:00 pm

Session Two

1:30 pm - 4:30 pm

TUESDAY

Session One

9:00 am - 12:00 pm

Session Two

1:30 pm - 4:30 pm

WEDNESDAY

Session One

9:00 am - 12:00 pm

Session Two

1:30 pm - 4:30 pm

THURSDAY

Session One

9:00 am - 12:00 pm

Session Two

1:30 pm - 4:30 pm

FRIDAY

Make-Up Day

The Friday morning program session is reserved as a makeup day for scouts needing to complete/finish up requirements for Metalworking merit badge.

Scoutcraft



❖ Camping Merit Badge

- **9.** Show experience in camping by doing the following:
 - **(A)** Camp a total of at least 20 nights at designated Scouting activities or events. One long-term camping experience of up to six consecutive nights may be applied toward this requirement. Sleep each night under the sky or in a tent you have pitched. If the camp provides a tent that has already been pitched, you need not pitch your own tent.
 - **(B)** On any of these camping experiences, you must do TWO of the following, only with proper preparation and under qualified supervision.
 - **(1)** Hike up a mountain, gaining at least 1,000 vertical feet.
 - **(2)** Backpack, snowshoe, or cross-country ski for at least 4 miles.
 - **(3)** Take a bike trip of at least 15 miles or at least four hours.

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- **(4)** Take a nonmotorized trip on the water of at least four hours or 5 miles.
- **(5)** Plan and carry out an overnight snow camping experience.

❖ **First Aid Merit Badge**

- **1.** Demonstrate to your counselor that you have current knowledge of all first-aid requirements for Tenderfoot, Second Class, and First Class ranks.
- **5.** Do the following:
 - **(A)** Prepare a first-aid kit for your home. Display and discuss its contents with your counselor.
 - **(B)** With an adult leader, inspect your troop's first-aid kit. Evaluate it for completeness. Report your findings to your counselor and Scout leader.

❖ **Wilderness Survival Merit Badge**

- **5.** Put together a personal survival kit and explain how each item in it could be useful.

❖ **Orienteering Merit Badge**

- There are no prerequisites for this Merit Badge.

❖ **Pioneering Merit Badge**

- There are no prerequisites for this Merit Badge.

❖ **Signs, Signals, and Codes Merit Badge**

- There are no prerequisites for this Merit Badge.

Shooting Sports

NOTE: Please check the Leaders Guide on the Glaciers Edge Website Regarding any age requirements. Shotgun is recommended for older scouts and it is recommended that first and second-year scouts take Rifle before Shotgun



❖ **Archery Merit Badge**

➤ There are no pre-requisites for this Merit Badge

❖ **Rifle Merit Badge**

➤ There are no pre-requisites for this merit badge

❖ **Shotgun Merit Badge**

➤ There are no pre-requisites for this merit badge

❖ **SPECIAL PROGRAM REQUIREMENTS**

➤ **Cowboy Action Shooting**

- This special program is for scouts 14 years of age and up.

- PLEASE BRING A SIGNED, PRINTED COPY OF THE COWBOY ACTION CONSENT FORM TO CAMP WITH YOU IF YOU PLAN ON ATTENDING THIS PROGRAM

SILVER CIRCLE

NOTE: Silver Circle Merit Badges this summer will be signed up before attending summer camp. Please Contact Oliver Dupree with any questions regarding this



❖ **Citizenship in the World Merit Badge**

- **7.** Do TWO of the following (with your parent's permission) and share with your counselor what you have learned:
 - **C.** Visit with a student or Scout from another country and discuss the typical values, holidays, ethnic foods, and traditions practiced or enjoyed there.
 - **D.** Attend a world Scout jamboree.
 - **E.** Participate in or attend an international event in your area, such as an ethnic festival, concert, or play.

❖ **Communication Merit Badge**

- **5.** Attend a public meeting (city council, school board, debate) approved by your counselor where several points of view are given on a single issue. Practice active listening skills and take careful notes of each point of view. Prepare an objective report that includes all points of view that were expressed, and share this with your counselor.

- **7.** Do ONE of the following:
 - **(A)** Write to the editor of a magazine or your local newspaper to express your opinion or share information on any subject you choose. Send your message by fax, email, or regular mail.

 - **(C)** Use desktop publishing to produce a newsletter, brochure, flier, or other printed material for your troop or crew, class at school, or other group. Include at least one article and one photograph or illustration.

- **8.** Plan a troop or crew court of honor, campfire program, or interfaith worship service. Have the patrol leaders' council approve it, then write the script and prepare the program. Serve as master of ceremonies
 - **Note for Req.8: Scouts who are looking to complete Requirement 8 at camp can fulfill this requirement by serving as the master of ceremonies in our campfire program at the end of the week. They must notify the program director and the camp commissioner by the end of the day Wednesday to be able to do so.**

❖ **Cooking Merit Badge**

- **2. Nutrition. Do the following**
 - **(C)** Track your daily level of activity and your daily caloric need based on your activity for five days. Then, based on the My Plate food guide, discuss with your counselor an appropriate meal plan for yourself for one day.

- **4. Cooking at home.** Using the MyPlate food guide or the current USDA nutrition model, plan menus for three full days of meals (three breakfasts, three lunches, and three dinners) plus one dessert. Your menus should include enough to feed yourself and at least one adult, keeping in mind any special needs (such as food allergies) and how you keep your foods safe and free from cross-contamination. List the equipment and utensils needed to prepare and serve these meals. Then do the following:
- **(A)** Find recipes for each meal. Create a shopping list for your meals showing the amount of food needed to prepare for the number of people you will serve. Determine the cost for each meal.
 - **(B)** Share and discuss your meal plan and shopping list with your counselor.
 - **(C)** Using at least five of the 10 cooking methods from requirement 3, prepare and serve yourself and at least one adult (parent, family member, guardian, or other responsible adult) one breakfast, one lunch, one dinner, and one dessert from the meals you planned.*
 - **(D)** Time your cooking to have each meal ready to serve at the proper time. Have an adult verify the preparation of the meal to your counselor.
 - **(E)** After each meal, ask a person you served to evaluate the meal on presentation and taste, then evaluate your own meal. Discuss what you learned with your counselor, including any adjustments that could have improved or enhanced your meals. Tell how planning and preparation help ensure a successful meal.

➤ **5. Camp cooking. Do the following:**

- **(A)** Using the MyPlate food guide or the current USDA nutrition model, plan a menu that includes four meals, one snack, and one dessert for your patrol (or a similar size group of up to eight youth, including you) on a camping trip. These four meals must include two breakfasts, one lunch, and one dinner. Additionally, you must plan one snack and one dessert. Your menus should include enough food for each person, keeping in mind any special needs (such as food allergies) and how you keep your foods safe and free from cross-contamination. List the equipment and utensils needed to prepare and serve these meals.
- **(B)** Find or create recipes for the four meals, the snacks, and the dessert you have planned. Adjust menu items in the recipes for the number to be served. Create a shopping list and budget to determine the per-person cost.
- **(C)** Share and discuss your menu plans and shopping list with your counselor.
- **(D)** In the outdoors, using your menu plans and recipes for this requirement, cook two of the four meals you planned using either a camp stove OR backpack stove. Use a skillet over campfire coals OR a Dutch oven for the third meal, and cook the fourth meal in a foil pack OR on a skewer. Serve all of these meals to your patrol or a group of youth.**
- **(E)** In the outdoors, using your menu plans and recipes for this requirement, prepare one snack and one dessert. Serve both of these to your patrol or a group of youth.**
- **(F)** After each meal, have those you served evaluate the meal on presentation and taste, and then evaluate your own meal. Discuss what you learned with your counselor, including any adjustments that could have improved or enhanced your meals. Tell how planning and preparation help ensure successful outdoor cooking.
- **(G)** Lead the clean-up of equipment, utensils, and the cooking site thoroughly after each meal. Properly store or dispose unused ingredients, leftover food, dishwater and garbage.
- **(H)** Discuss how you followed the Outdoor Code and no-trace principles when preparing your meals.

➤ **6. Trail and backpacking meals. Do the following:**

- **(D)** While on a trail hike or backpacking trip, prepare and serve two meals and a snack from the menu planned for this requirement. At least one of those meals must be cooked over a fire, or an approved trail stove (with proper supervision).**
- **(E)** After each meal, have those you served to evaluate the meal on presentation and taste, then evaluate your own meal. Discuss what you learned with your counselor, including any adjustments that could have improved or enhanced your meals. Tell how planning and preparation help ensure successful trail hiking or backpacking meals.

❖ **Emergency Preparedness Merit Badge**

- **1.** Earn the First Aid merit badge.
- **2.** Do the following:
 - **C.** Meet with and teach your family how to get or build a kit, make a plan, and be informed for the situations on the chart you created for requirement 2b. Complete a family plan. Then meet with your counselor and report on your family meeting, discuss their responses, and share your family plan.
- **7. Do the following:**
 - **A.** Take part in an emergency service project, either a real one or a practice drill, with a Scouting unit or a community agency
- **8. Do the following:**
 - **B.** Prepare a personal emergency service pack for a mobilization call. Prepare a family emergency kit (suitcase or waterproof box) for use by your family in case an emergency evacuation is needed. Explain the needs and uses of the contents

STEM

NOTE: Reminder that all STEM Merit Badges this summer will be something Scouts must sign up for at Sunday Midway this summer. Please reach out if you have any questions regarding this!



❖ **Chess**

➤ **6. Do ONE of the following:**

- **B.** Play in a scholastic (youth) chess tournament and use your score sheets from that tournament to replay your games with your merit badge counselor. Discuss with your counselor how you might have played each game differently.

❖ **Graphic arts**

➤ **4.** Produce the design you created for requirement 3 using one of the following printing processes:

- **A. Offset lithography.** Make a layout, and produce a plate using a process approved by your counselor. Run the plate and print at least 50 copies.
- **B. Screen printing.** Make a hand-cut or photographic stencil and attach it to a screen that you have prepared. Mask the screen and print at least 20 copies.

- **6.** Do ONE of the following, then describe the highlights of your visit:
 - **A.** Visit a newspaper printing plant. Follow a story from the editor to the press.
 - **B.** Visit a retail, commercial, or in-plant printing facility. Follow a project from beginning to end.
 - **C.** Visit a school's graphic arts program. Find out what courses are available and what the prerequisites are.

❖ **Programming Merit Badge**

- **1. Safety.** Do the following:
 - **(A)** View the Personal Safety Awareness "Digital Safety" video (with your parent or guardian's permission.
- **5. Projects. Do the following**
 - (C) With your counselor's approval, choose a third programming language and development environment, different from those used for requirements 5a and 5b and in a different industry from 5a or 5b. Then write, debug, and demonstrate a functioning program to your counselor, using that language and environment.

- **NOTE: Due to the time commitments that Programming Merit Badge can require, it is not guaranteed that a scout will be able to finish the merit badge within the week they are at camp. This is primarily due to Requirement 5 and the need to create programs/projects. While they will be able to still work on this requirement, it is not guaranteed they will complete it.**

❖ **Model Design and Building Merit Badge**

- There are no prerequisites for this Merit Badge.

❖ **Movie Making Merit Badge**

- **3.** Do ONE of the following:
 - **A.** With your parent's permission and your counselor's approval, visit a film set or television production studio and watch how production work is done.

❖ **Space Exploration Merit Badge**

- There are no prerequisites for this Merit Badge.

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