

Camp Berry 2019 – Merit Badge Pre-Requisites

❖ BADEN POWELL

✓ NONE

❖ AQUATICS

➤ LAKE ORBIT

• Rowing

✓ "2. ... successfully complete the BSA swimmer test:

Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating."

PLEASE NOTE: This can be done before camp or on Sunday after check-in.

• Canoeing

✓ "2. ... successfully complete the BSA swimmer test:

Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating."

PLEASE NOTE: This can be done before camp or on Sunday after check-in.

• Kayaking

✓ "2. ... successfully complete the BSA swimmer test:

Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating."

PLEASE NOTE: This can be done before camp or on Sunday after check-in.

➤ THE POOL

• Swimming

✓ "2. ... successfully complete the BSA swimmer test:

Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating."

PLEASE NOTE: This can be done before camp or on Sunday after check-in.

• Learn To Swim

✓ NONE

• Lifesaving

✓ "1. Before doing requirements 2 through 17:

- a. Complete Second Class rank requirements 5a through 5d and First Class requirements 6a, 6b, and 6e.

Second Class rank requirements 5a through 5d:

(5a) Tell what precautions must be taken for a safe swim.

(5b) Demonstrate your ability to pass the BSA beginner test: Jump feet first into water over your head in depth, level off and swim 25 feet on the surface, stop, turn sharply, resume swimming, then return to your starting place.

(5c) Demonstrate water rescue methods by reaching with your arm or leg, by reaching with a suitable object, and by throwing lines and objects.

(5d) Explain why swimming rescues should not be attempted when a reaching or throwing rescue is possible. Explain why and how a rescue swimmer should avoid contact with the victim.

Frist Class rank requirements 6a, 6b, and 6e:

(6a) Successfully complete the BSA swimmer test: Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating.

(6b) Tell what precautions must be taken for a safe trip afloat.

(6e) With a helper and a practice victim, show a line rescue both as a tender and as rescuer. (The practice victim should be approximately 30 feet from shore in deep water.)

- **Mile Swim**

- ✓ Successfully complete the BSA swimmer test:

Jump feet first into water over your head in depth, 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 swum continuously and include at least one sharp turn. After completing the swim, rest by floating.

PLEASE NOTE: This can be done before camp or on Sunday after check-in.

❖ THE TOWER

- **Climb On Safely**

- ✓ NONE

- **Climbing**

- ✓ PLEASE NOTE: Must wear long pants and boots.

❖ SHOOTING SPORTS

- **Archery**

- ✓ NONE

- **Action Archery**

- ✓ PLEASE NOTE: Must be 14+ years old.
- ✓ PLEASE NOTE: Must have successfully completed the Archery Merit Badge.

- **Rifle (including Black Powder)**

- ✓ NONE

- **Shotgun**

- ✓ NONE

❖ SCOUTCRAFT

- Outdoor Skills

- **Wilderness Survival**

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

- **Camping**

- ✓ "4. Do the following:
 - (a) Make a duty roster showing how your patrol is organized for an actual overnight campout. List assignments for each member.
 - (b) Help a Scout patrol or Webelos Scout unit in your area prepare for an actual campout, including creating the duty roster, menu planning, equipment needs, general planning, and setting up camp."
- ✓ "7. Prepare for an overnight campout with your patrol by doing the following:
 - (a) Make a checklist of personal and patrol gear that will be needed.
 - (b) Pack your own gear and your share of the patrol equipment and food for proper carrying. Show that your pack is right for quickly getting what is needed first, and that it has been assembled properly for comfort, weight, balance, size, and neatness."
- ✓ "8. Do the following:
 - (c) Prepare a camp menu. Explain how the menu would differ from a menu for a backpacking or float trip. Give recipes and make a food list for your patrol. Plan two

breakfasts, three lunches, and two suppers. Discuss how to protect your food against bad weather, animals, and contamination.

- (d) While camping in the outdoors, cook at least one breakfast, one lunch, and one dinner for your patrol from the meals you have planned for requirement 8c. At least one of those meals must be a trail meal requiring the use of a lightweight stove.”
- ✓ “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 provided a tent that has already been pitched, you need not pitch your own tent. [Note 3: A footnote reading ‘All campouts since becoming a Boy Scout or Varsity Scout may count toward this requirement.’ no longer appears in the current requirements. However, although not specifically stated in the requirements, this still applies, even though the Varsity program has been discontinued.] [Note 4: Editor’s note: effective December 31, 2017, the Boy Scouts of America ended the Varsity Scouting program.]
 - (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.
 - 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.
 - 6) Rappel down a rappel route of 30 feet or more.
 - (c) Perform a conservation project approved by the landowner or land managing agency. This can be done alone or with others.”

• **Cooking**

- ✓ “2. Nutrition.
Do the following:
 - (c) Determine your daily level of activity and your caloric need based on your activity level. Then, based on the MyPlate 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) Create a shopping list for your meals, showing the amount of food needed to prepare and serve each meal, and 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.*
[* The meals for requirement 4 may be prepared on different days, and they need not be prepared consecutively. The requirement call for Scouts to plan, prepare, and serve one breakfast, one lunch, and one dinner to at least one adult; those served need not be the same for all meals.]
 - (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 better planning and preparation help ensure a successful meal.”

- **Fire Safety**
 - ✓ “6. Conduct a home safety survey with the help of an adult. Then do the following:
 - (a) Draw a home fire-escape plan, create a home fire-drill schedule, and conduct a home fire-drill.
 - (b) Test a smoke alarm and demonstrate regular maintenance of a smoke alarm.”
 - ✓ “11. Visit a fire station. Identify the types of fire trucks. Find out about the fire prevention activities in your community.”
 - ✓ “12. Determine if smoke detectors are required in all dwellings within your municipality. If so, explain which specific types are required. Tell your counselor what type of smoke detectors your house has or needs.”
- **Pioneering**
 - ✓ NONE
- **Search and Rescue**
 - ✓ NONE

➤ Handicraft

- **Pottery**
 - ✓ “7. With your parent’s permission and your counselor’s approval, do ONE of the following:
 - (a) Visit the kiln yard at a local college or other craft school. Learn how the different kinds of kilns work, including low-fire electric, gas or propane high-fire, wood or salt/soda, and raku.
 - (b) Visit a museum, art exhibit, art gallery, artists’ co-op, or artist’s studio that features pottery. After your visit, share with your counselor what you have learned.
 - (c) Using resources from the library, magazines, the internet (with your parent’s permission), and/or other outlets, learn about the historical and cultural importance of pottery. Share what you discover with your counselor.”
- **Sculpture**
 - ✓ NONE
- **Basketry**
 - ✓ NONE
- **Leatherwork**
 - ✓ PLEASE NOTE: Must already have earned *Totin’ Chip*.
- **Indian Lore**
 - ✓ “2. Give the history of one American Indian tribe, group, or nation that lives or has lived near you. Visit it, if possible. Tell about traditional dwellings, way of life, tribal government, religious beliefs, family and clan relationships, language, clothing styles, arts and crafts, food preparation, means of getting around, games, customs in warfare, and where members of the group now live and how they live.”

❖ **EAGLES’ NEST**

- **Citizenship in the Nation**
 - ✓ “2. Do TWO of the following:
 - (a) Visit a place that is listed as a National Historic Landmark or that is on the National Register of Historic Places. Tell your counselor what you learned about the landmark or site and what you found interesting about it.
 - (b) Tour your state capitol building or the U.S. Capitol. Tell your counselor what you learned about the capitol, its function, and the history.
 - (c) Tour a federal facility. Explain to your counselor what you saw there and what you learned about its function in the local community and how it serves this nation.
 - (d) Choose a national monument that interests you. Using books, brochures, the Internet (with your parent’s permission), and other resources, find out more about the monument. Tell your counselor what you learned and explain why the monument is important to this country’s citizens.”

- **Citizenship in the World**

- ✓ NONE

- **Communication**

- ✓ “5. Attend a public meeting (city council, school board, debate, etc.) 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.”
 - ✓ “8. Plan a troop or crew court of honor, campfire program, or an interfaith worship service. Have the patrol leaders’ council approve it, then write the script and prepare the program. Serve as master of ceremonies.”

- **First Aid**

- ✓ “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, and evaluate it for completeness. Report your findings to your counselor and Scout leader.”

- **Emergency Preparedness**

- ✓ “1. Earn the First Aid merit badge.”
 - ✓ “2. Do the following:
 - (b) Using a chart, graph, spreadsheet, or another method approved by your counselor, demonstrate your understanding of each aspect of emergency preparedness listed in requirement 2a (prevention, protection, mitigation, response, and recovery) for 10 emergency situations from the list below. **You must use the first five situations listed below in boldface**, plus any other five of your choice. Discuss your findings with your counselor.
 - 1) Home kitchen fire.**
 - 2) Home basement/storage room/garage fire.**
 - 3) Explosion in the home.**
 - 4) Automobile crash.**
 - 5) Food-borne disease (food poisoning).**
 - 6) Fire or explosion in a public place.
 - 7) Vehicle stalled in the desert.
 - 8) Vehicle trapped in a blizzard.
 - 9) Earthquake or tsunami.
 - 10) Mountain/backcountry accident.
 - 11) Boating or water accident.
 - 12) Gas leak in a home or a building.
 - 13) Tornado or hurricane.
 - 14) Major flooding or a flash flood.
 - 15) Toxic chemical spills and releases.
 - 16) Nuclear power plant emergency.
 - 17) Avalanche (snowslide or rockslide).
 - 18) Violence in a public place.
 - (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.
 - (b) Prepare a written plan for mobilizing your troop when needed to do emergency service. If there is already a plan, explain it. Tell your part in making it work.”

- ✓ “8. Do the following:
 - (b) Prepare a personal emergency service pack for a mobilization call. Prepare a family 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.”
- ✓ “9. Do ONE of the following:
 - (a) Using a safety checklist approved by your counselor, inspect your home for potential hazards. Explain the hazards you find and how they can be corrected.
 - (b) Review or develop a plan of escape for your family in case of fire in your home.
 - (c) Develop an accident prevention program for five family activities outside the home (such as taking a picnic or seeing a movie) that includes an analysis of possible hazards, a proposed plan to correct those hazards, and the reasons for the corrections you propose.”
- **Law**
 - ✓ “4. Ask five people (not more than one from your immediate family) about the role of law enforcement officers in our society. Discuss their answers with them. Go to a law enforcement officer in your neighborhood and ask about his or her responsibilities and duties. Report your findings.”

❖ THE GARAGE

- **Start Your Engines (NOVA Award)**
 - ✓ PLEASE NOTE: Must be 14+ years old.
 - ✓ S.T.E.M. Lesson
 - 1. Choose A or B or C and complete ALL of the requirements.
 - A. Watch about three hours total of engineering-related shows or documentaries that involve motion or motion-inspired technology. Then do the following:
 1. Make a list of at least five questions or ideas from the show(s) you watched.
 2. Discuss two of the questions or ideas with your counselor. Some examples include – but are not limited to – shows found on PBS (“NOVA”), Discovery Channel, Science Channel, National Geographic Channel, TED Talks (online videos), and the History Channel. You may choose to watch a live performance or movie at a planetarium or science museum instead of watching a media production. You may watch online productions with your counselor’s approval and under your parent’s supervision. One example is the NOVA Lever an Obelisk page on ancient Egypt and the use of levers, available at www.pbs.org/wgbh/nova/egypt/raising/lever.html (<http://www.pbs.org/wgbh/nova/egypt/raising/lever.html>).
 - B. Read (about three hours total) about motion or motion-inspired technology. Then do the following:
 1. Make a list of at least two questions or ideas from each article.
 2. Discuss two of the questions or ideas with your counselor. Examples of magazines include – but are not limited to – Odyssey, Popular Mechanics, Popular Science, Science Illustrated, Discover, Air & Space, Popular Astronomy, Astronomy, Science News, Sky & Telescope, Natural History, Robot, Servo, Nuts & Volts, and Scientific American.
 - C. Do a combination of reading and watching (about three hours total). Then do the following:
 1. Make a list of at least two question or ideas from each article or show.
 2. Discuss two of the questions or ideas with your counselor.
 - ✓ Aviation
 - NONE
 - ✓ Farm Mechanics
 - NONE

- **Welding**
 - ✓ NONE
- **Metalwork**
 - ✓ NONE
- **A.T.V.**
 - ✓ PLEASE NOTE: Must be 14+ years old.
 - ✓ PLEASE NOTE: Must wear long sleeved shirt, long pants, and boots (shoes that cover the ankle).

❖ ECO-CON

- **Fishing**
 - ✓ NONE
- **Mammal Study**
 - ✓ NONE
- **Environmental Science**
 - ✓ 3. Do ONE activity from EACH of the following categories (using the activities in this {the merit badge} pamphlet as the basis for planning and projects):
 - 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.
 - 3) Perform an experiment on packaging materials to find out which ones are biodegradable. Discuss your conclusion with your counselor.
- **Astronomy**
 - ✓ NONE

❖ S.T.E.M.

- **Whoosh (NOVA Award)**
 - ✓ PLEASE NOTE: Must be 14+ years old.
 - ✓ S.T.E.M. Lesson
 - 1. Choose A or B or C and complete ALL of the requirements.
 - A. Watch about three hours total of engineering-related shows or documentaries that involve motion or motion-inspired technology. Then do the following:
 1. Make a list of at least five questions or ideas from the show(s) you watched.
 2. Discuss two of the questions or ideas with your counselor. Some examples include – but are not limited to – shows found on PBS (“NOVA”), Discovery Channel, Science Channel, National Geographic Channel, TED Talks (online videos), and the History Channel. You may choose to watch a live performance or movie at a planetarium or science museum instead of watching a media production. You may watch online productions with your counselor’s approval and under your parent’s supervision. One example is the NOVA Lever an Obelisk page on ancient Egypt and the use of levers, available at www.pbs.org/wgbh/nova/egypt/raising/lever.html (<http://www.pbs.org/wgbh/nova/egypt/raising/lever.html>).
 - B. Read (about three hours total) about motion or motion-inspired technology. Then do the following:
 1. Make a list of at least two questions or ideas from each article.
 2. Discuss two of the questions or ideas with your counselor. Examples of magazines include – but are not limited to – Odyssey, Popular Mechanics, Popular Science, Science Illustrated, Discover, Air & Space, Popular Astronomy, Astronomy, Science News, Sky & Telescope, Natural History, Robot, Servo, Nuts & Volts, and Scientific American.

