

## Section IV - Advancement & Schedule

### Class Sizes

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To be able to thoroughly teach some merit badges, it is necessary to limit the size of some classes. Please note these limits when utilizing BadgeTracker and have your Scouts plan accordingly. The Program Director reserves the right to limit the class size of any badge at any time in order to maintain quality control. Scouts are advised to have alternative selections in mind should their first choice(s) be denied.

### Partials

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If a Scout has started a merit badge at camp and does not finish it, you will receive a partially completed blue card for the Scout in your mailbox.

Existing partial merit badges can be completed during the Scout's time in camp, providing that the original issuing counselor is registered within your council. The camp staff reserves the right to re-check a Scout on any requirement already completed with another counselor. Scouts with existing partials should complete the merit badge "by appointment" with members of the camp staff, but must make the appropriate arrangements by Monday afternoon.

### Prerequisites

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Several Merit Badges offered here at Seven Ranges have requirements that cannot be completed during a Scout's week at camp due to various reasons including time, facilities, or personal contacts the Scout may need to make these requirements are known as prerequisites. Prerequisites need to be completed prior to a Scouts participation in the Merit Badge this means they must be turned into the camp merit badge counselor on the first day of instruction for the merit badge. Below are outlined the Merit Badges that have prerequisites associated with them along with the specific requirements and how we would like the Scout to accomplish them. We ask that unit leaders be the first line of Quality Control when it comes to Scouts and prerequisites, verify that a Scout is doing the appropriate steps needed to accomplish the requirement, we don't want to set Scouts up to be disappointed when they have put effort into work that isn't what the Merit Badge is asking for. All Scouts working on Merit Badges with prerequisites need to have a current copy of the Merit Badge Book, having this book will help the Scout understand what is being asked of them and help you, the leader, understand what is being asked as well. **We cannot alter or make exceptions to prerequisites of Merit Badges.**

### Bugling

#6 Serve as bugler in your troop for three months.

**The Scout needs to:** Bring a signed letter from a unit leader verifying his service.

### Camping

#4b Help a Scout patrol or a 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.

**The Scout needs to:** Bring signed letter from a unit leader verifying his completion of this requirement.

#5e Present yourself to your Scoutmaster with your pack for inspection. Be correctly clothed and equipped for an overnight campout.

**The Scout needs to:** Bring a signed letter from his scoutmaster verifying his completion of this requirement.

#9a Camp a total of at least 20 days and 20 nights. Sleep each night under the sky or in a tent you have pitched. The 20 days and 20 nights must be at a designated Scouting activity or event. You may use a week of long-term camp toward this requirement. If the camp provides a tent that has already been pitched, you need not pitch your own tent.

#9b 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 non-motorized 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.

#9c Perform a conservation project approved by the landowner or land managing agency.

**The Scout needs to:** Bring a signed letter from a unit leader verifying his completion of requirements 9abc.

## Emergency Preparedness

#1 Earn the First Aid Merit Badge.

**The Scout needs to:** Bring a signed letter from a unit leader verifying his completion of this requirement. All Scouts must have earned this merit badge prior to beginning Emergency Preparedness in camp.

#2b Make a chart that demonstrates your understanding of each of the aspects of emergency preparedness in requirement 2a (prepare, respond, recover, mitigate) with regard to 10 of the situations listed below. You must use situations 1, 2, 3, 4, and 5 below in boldface but you may choose any other five listed here for a total of 10 situations. Discuss this chart with your counselor.

1. Home kitchen fire 2. Home basement/storage room/garage fire 3. Explosion in the home 4. Automobile accident 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. Flash flooding in town or the country 10. Mountain/backcountry accident 11. Boating accident 12. Gas leak in a home or a building 13. Tornado or hurricane 14. Major flood 15. Nuclear power plant emergency 16. Avalanche (snow-slide or rockslide) 17. Violence in a public place

**The Scout needs to:** Bring his completed chart to camp and be prepared to discuss it.

#2c 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.

**The Scout needs to:** Bring a signed note from an adult family member verifying that he has met with his family. Along with the note, the Scout must bring his family plan to camp.

#7 Take part in an emergency service project, either a real one or a practice drill, with a Scouting unit or a community agency.

**The Scout needs to:** Bring a signed letter from a unit leader verifying his completion of requirement (NOTE this is an emergency service project not a simple escape drill or emergency drill during his week in camp)

#8c 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.

**The Scout must have:** Both a personal and family emergency kit. In order for the counselor to verify the kits and the contents we ask that scouts bring a printed picture of their kits spread out at home so all the individual parts can be identified (a list of required contents can be found in the book). Along with the pictures the Scout must bring a signed note from an adult family member verifying the kits.

## Energy

#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 how you can change your energy use through reuse and recycling.

**The Scout needs to:** Bring his 14 day energy audit and report to camp. Be prepared for a discussion.

## Environmental Science

#3e2 Do research on one species that was endangered or threatened but which has now recovered. Find out how the organism recovered, and what its new status is. Write a 100-word report on the species and discuss it with your counselor.

**The Scout needs to:** Bring his 100 word report to camp and be prepared for a discussion.

## 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.

**The Scout needs to:** Bring his home escape plan, fire-drill schedule and a signed note from an adult family member verifying that a home fire drill was carried out.

#11 Visit a fire station. Identify the types of fire trucks. Find out about the fire prevention activities in your community.

**The Scout needs to:** Visit a fire station prior to coming to camp and write up a report about the types of trucks he saw also detailing fire prevention activities in his community. A scout must also bring a signed note from a unit leader or firefighter verifying a station visit.

## First Aid

#1 Satisfy your counselor that you have current knowledge of all first aid requirements for Tenderfoot, Second Class, and First Class ranks.

**The Scout needs to:** Bring a signed note from a unit leader verifying current knowledge of first aid requirements.

#2d Prepare a first aid kit for your home. Display and discuss its contents with your counselor.

**The Scout needs to:** Bring his prepared first aid kit to camp (a list of required contents can be found in the book).

## Geocaching

#7 With your parent's permission\*, go to [www.Geocaching.com](http://www.Geocaching.com). Type in your zip code to locate public geocaches in your area. Share the posted information about three of those geocaches with your counselor. Then, pick one of the three and find the cache.

**The Scout needs to:** Create a free account on the website. Locate three caches local to the Scout's home AND three caches local to Seven Ranges. Bring in the printed information on these local public caches. Scouts do not need to locate a cache prior to camp.

## Nature

#4a2 Make and set out a birdhouse OR a feeding station OR a birdbath. List what birds used it during a period of one month.

**The Scout needs to:** Bring a photo or plans of their birdhouse, feeder, or bath and documentation of the types of birds that visited.

## Reptile and Amphibian Study

#8 Do ONE of the following:

a. Maintain one or more reptiles or amphibians for at least a month. Record food accepted, eating methods, changes in coloration, shedding of skins, and general habits; or keep the eggs of a reptile from the time of laying until hatching; or keep the eggs of an amphibian from the time of laying until their transformation into tadpoles (frogs) or larvae (salamanders).

b. Choose a reptile or amphibian that you can observe at a local zoo, aquarium, nature center, or other such exhibit (such as your classroom or school). Study the specimen weekly for a period of three months. At each visit, sketch the specimen in its captive habitat and note any changes in its coloration, shedding of skins, and general habits and behavior. Find out, either from information you locate on your own or by talking to the caretaker, what this species eats and what are its native habitat and home range, preferred climate, average life expectancy, and natural predators. Also identify any human caused threats to its population and any laws that protect the species and its habitat. After the observation period, share what you have learned with your counselor.

**The Scout needs to:** Bring reports from whichever option they choose detailing all that is asked of them.

## Scouting Heritage

#4 Do ONE of the following: a. Attend either a BSA national jamboree, OR world Scout jamboree, OR a national BSA high-adventure base. While there, keep a journal documenting your day-to-day experiences. Upon your return, report to your counselor what you did, saw, and learned. You may include photos, brochures, and other documents in your report.

b. Write or visit the National Scouting Museum in Irving, Texas.\* Obtain information about this facility. Give a short report on what you think the role of this museum is in the Scouting program.

**The Scout may choose:** Either a or b based on his experiences. Each requires a report with appropriate content.

#5 Learn about the history of your unit or Scouting in your area. Interview at least two people (one from the past and one from the present) associated with your troop. These individuals could be adult unit leaders, Scouts, troop committee members, or representatives of your troop's chartered organization. Find out when your unit was originally chartered. Create a report of your findings on the history of your troop, and present it to your patrol or troop or at a court of honor, and then add it to the troop's library. This presentation could be in the form of an oral/written report, an exhibit, a scrapbook, or a computer presentation such as a slide show.

**The Scout needs to:** Bring his report, scrapbook, or presentation to camp and present it to the class.

#6 Make a collection of some of your personal patches and other Scouting memorabilia. With their permission, you may include items borrowed from family members or friends who have been in Scouting in the past, or you may include photographs of these items. Show this collection to your counselor, and share what you have learned about items in the collection. (There is no requirement regarding how large or small this collection must be.)

**The Scout needs to:** Bring in either original items or detailed photographs of their collections, effort must be put into this requirement, where as we cannot limit size of the collection we ask that a scout be prepared for a quality discussion on the items.

## Woodcarving

#2a Earn the Totin' Chip recognition.

**The Scout must:** Earn the Totin Chip prior to coming to camp. For safety reasons a scout will not be allowed to take a Totin Chip class and take Wood Carving Merit Badge during the same week in camp. The scout must bring his Totin Chip Card to class with him every day, unit leader notes will not be accepted.

**Wilderness Survival**

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

**The Scout needs to:** Bring his personal survival kit to camp (a list of required contents can be found in the book).

**Woodwork**

#1b Earn the Totin' Chip recognition.

**The Scout must:** Earn the Totin Chip prior to coming to camp. For safety reasons a scout will not be allowed to take a Totin Chip class and take Woodwork Merit Badge during the same week in camp. The scout must bring his Totin Chip Card to class with him every day, unit leader notes will not be accepted.

**Merit Badge Grid**

9:00 - 9:50	10:00 - 10:50	11:00 - 11:50	2:20 - 3:30
Basketry Bird Study Camping Canoeing Fishing Leatherworking Pioneering Rowing Scouting Heritage Soil & Water Conservation Wood Carving	Basketry Canoeing Fire Safety Fishing Forestry Geology Leatherworking Weather Wilderness Survival Woodworking	Basketry Camping Energy Fishing Leatherworking Nature Orienteering Painting Reptile & Amphibian Study Wood Carving	Astronomy Communications Emergency Preparedness Geocaching Home Repair Indian Lore Mammal Study Wood Carving
9:00 - 10:20	10:30 - 11:50		By Appointment
Archery Environmental Science First Aid Lifesaving Rifle Shooting Shotgun Shooting Swimming	Archery Environmental Science First Aid Rifle Shooting Shotgun Shooting Small Boat Sailing Swimming		Bugling

## Merit Badge Schedule

Merit Badge Class	Age	Rank	Size	Time
Archery *	11	Tenderfoot	24	9:00 - 10:20 or 10:30 - 11:50
Astronomy *	11	Tenderfoot	30	2:20 - 3:30 (M-Th)
Basketry	10	Scout	50	9:00 - 9:50, 10 - 10:50, or 11 - 11:50
Bird Study	10	Scout	30	9:00 - 9:50
Camping *	12	Second Class	30	9:00 - 9:50 or 11:00 - 11:50
Canoeing	11	Tenderfoot	20	9:00 - 9:50 or 10:00 - 10:50
Communications*	13	Star	40	2:20 - 3:30 (M-Th)
Emergency Preparedness *	12	First Class	30	2:20 - 3:30 (M-Th)
Energy	10	Scout	40	11:00 - 11:50
Environmental Science *	12	Second Class	35	9:00 - 10:20 or 10:30 - 11:50
Fire Safety	10	Scout	30	10:00 - 10:50
First Aid *	12	Second Class	30	9:00 - 10:20 or 10:30 - 11:50
Fishing *	10	Scout	30	9:00 - 9:50, 10:00 - 10:50 or 11:00 - 11:50
Forestry *	10	Scout	30	10:00 - 10:50
Geocaching*	12	Second Class	20	2:20 - 3:30 (M-Th)
Geology	10	Scout	25	10:00 - 10:50
Home Repair*	12	First Class	20	2:20 - 3:30 (M-Th)
Indian Lore	10	Scout	30	2:20 - 3:30 (M-Th)
Leatherwork	10	Scout	60	9:00 - 9:50, 10:00 - 10:50 or 11:00 - 11:50
Lifesaving	13	Second Class	25	9:00 - 10:20
Mammal Study *	10	Scout	50	2:20 - 3:30 (M-Th)
Nature	10	Scout	30	11:00 - 11:50
Orienteering *	12	Second Class	30	11:00 - 11:50
Painting*	12	Second Class	20	11:00 - 11:50
Pioneering	10	Scout	24	9:00 - 9:50
Radio*	12	Second Class	12	2:20 - 3:30 (M-Th)
Reptile and Amphibian Study	10	Scout	30	11:00 - 11:50
Rifle Shooting *	12	First Class	24	9:00 - 10:20 or 10:30 - 11:50
Rowing	12	Second Class	16	9:00 - 9:50
Shotgun Shooting *	12	First Class	15	9:00 - 10:20 or 10:30 - 11:50
Small Boat Sailing	11	Tenderfoot	14	10:30 - 11:50
Soil & Water Conservation *	10	Scout	30	9:00 - 9:50
Swimming	10	Scout	25	9:00 - 10:20 or 10:30 - 11:50
Scouting Heritage*	10	Scout	30	9:00 - 9:50
Weather	10	Scout	30	10:00 - 10:50
Wilderness Survival*	12	Tenderfoot	25	10:00 - 10:50
Wood Carving	10	Scout	35	9:00 - 9:50, 11 - 11:50, or 2:20 - 3:30 (M-Th)
Woodwork*	12	First Class	20	10:00 - 10:50

## Special Programs

Class	Age	Rank	Size	Time
Learner & Beginner Swim Class	10	Scout	-	11:00 - 11:50
F.R.O.G.	10	Scout	-	9:00 - 10:50

All merit badges meet Monday through Friday unless otherwise noted.  
 \* May require additional classes or practice time in the afternoon or evening.