

2010 Klondike Derby: Extra Requirements that can be earned

Astronomy Requirements

1. Do the following:
 - a. Identify in the sky at least 10 constellations, at least four of which are in the zodiac.
 - b. Identify at least eight conspicuous stars, five of which are of magnitude 1 or brighter.
 - c. Make two sketches of the Big Dipper. In one sketch, show the Big Dipper's orientation in the early evening sky. In another sketch, show its position several hours later. In both sketches, show the North Star and the horizon. Record the date and time each sketch was made.
 - d. Explain what we see when we look at the Milky Way.
9. With your counselor's approval and guidance, do ONE of the following:
 - b. Plan and participate in a three-hour observation session that includes using binoculars or a telescope. List the celestial objects you want to observe, and find each on a star chart or in a guidebook. Prepare an observing log or notebook. Show your plan, charts, and log or notebook to your counselor before making your observations. Review your log or notebook with your counselor afterward.
 - e. Personally take a series of photographs or digital images of the movement of the Moon, a planet, an asteroid or meteoroid, 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.

Camping Requirements

1. 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 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.
2. Do the following:
 - a. Prepare a list of clothing you would need for overnight campouts in both warm and cold weather. Explain the term "layering."
 - b. Discuss footwear for different kinds of weather and how the right footwear is important for protecting your feet.
 - c. Explain the proper care and storage of camping equipment (clothing, footwear, bedding).

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- d. List the outdoor essentials necessary for any campout, and explain why each item is needed.
 - e. Present yourself to your Scoutmaster with your pack for inspection. Be correctly clothed and equipped for an overnight campout.
3. Do the following:
 - a. Describe the features of four types of tents, when and where they could be used, and how to care for tents. Working with another Scout, pitch a tent.
 - b. Discuss the importance of camp sanitation and tell why water treatment is essential. Then demonstrate two ways to treat water.
 - c. Describe the factors to be considered in deciding where to pitch your tent.
 - d. Tell the difference between internal- and external-frame packs. Discuss the advantages and disadvantages of each.
 - e. Discuss the types of sleeping bags and what kind would be suitable for different conditions. Explain the proper care of your sleeping bag and how to keep it dry. Make a comfortable ground bed.
 1. 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.
 2. Do the following:
 - a. Explain the safety procedures for:
 1. Using a propane or butane/propane stove
 2. Using a liquid fuel stove
 3. Proper storage of extra fuel
 - b. Discuss the advantages and disadvantages of different types of lightweight cooking stoves.
 - 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. 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.
 1. Show experience in camping by doing the following:

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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. .
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.

Wilderness Survival Requirements

1. Show that you know first aid for, and how to prevent injuries or illnesses that could occur in backcountry settings, including hypothermia, heat reactions, frostbite, dehydration, blisters, insect stings, tick bites, and snakebites.
2. From memory, list the seven priorities for survival in a backcountry or wilderness location. Explain the importance of each one with your counselor.
3. Discuss ways to avoid panic and maintain a high level of morale when lost, and explain why this is important.
4. Describe the steps you would take to survive in the following conditions:
 - a. Cold and snowy
 - b. Wet (forest)
 - c. Hot and dry (desert)
 - d. Windy (mountains or plains)
 - e. Water (ocean, lake, or river)
5. Put together a personal survival kit and explain how each item in it could be useful
6. Using three different methods (other than matches), build and light three fires.
7. Do the following:
 - a. Show five different ways to attract attention when lost.
 - b. Demonstrate how to use a signal mirror.
 - c. Describe from memory five ground-to-air signals and tell what they mean.
8. Improvise a natural shelter. For the purpose of this demonstration, use techniques that have little negative impact on the environment. Spend a night in your shelter.

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9. Explain how to protect yourself from insects, reptiles, and bears.
10. Demonstrate three ways to treat water found in the outdoors to prepare it for drinking.
11. Show that you know the proper clothing to wear in your area on an overnight in extremely hot weather and in extremely cold weather.
12. Explain why it is usually not wise to eat edible wild plants or wildlife in a wilderness survival situation.

Tenderfoot Rank Requirements

1. Present yourself to your **leader**, properly dressed, before going on an overnight camping trip. Show the **camping gear** you will use. Show the right way to pack and carry it.
2. Spend at least one night on a **patrol** or **troop** campout. Sleep in a tent you have helped pitch.
3. On the campout, assist in preparing and cooking one of your patrol's meals. Tell why it is important for each patrol member to share in meal preparation and cleanup, and explain the importance of eating together.
 - b. Demonstrate you know how to tie the following knots and tell what their uses are: **two half hitches** and the **taut-line hitch**.
4. Explain the rules of safe hiking, both on the highway and cross-country, during the day and at night. Explain what to do if you are lost.
5. Explain the importance of the **buddy system** as it relates to your personal safety on outings and in your neighborhood. Describe what a bully is and how you should respond to one.

Second Class Rank Requirements

1.
 - a. Since joining, have participated in five separate **troop/patrol** activities (other than troop/patrol meetings), two of which included camping overnight.
 - b. On one of these campouts, select your patrol site and sleep in a tent that you pitched.
 - c. On one campout, demonstrate proper care, sharpening, and use of the knife, saw, and ax, and describe when they should be used.
 - d. Use the tools listed in requirement 2c to prepare tinder, kindling, and fuel for a cooking fire.

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- e. Discuss when it is appropriate to use a cooking fire and a lightweight stove. Discuss the safety procedures for using both..
 - f. Demonstrate how to light a fire and a lightweight stove.
 - g. On one campout, plan and cook over an open fire one hot breakfast or lunch for yourself, selecting foods from the [food pyramid](#). Explain the importance of good nutrition. Tell how to transport, store, and prepare the foods you selected.
2. Participate in a [flag ceremony](#) for your school, religious institution, chartered organization, community, or troop activity.

First Class Rank Requirements

1. Since joining, have participated in ten separate troop/patrol activities (other than troop/patrol meetings), three of which included camping overnight.
2.
 - a. Help plan a patrol menu for one campout that includes at least one breakfast, one lunch, and one dinner and that requires cooking at least two meals. Tell how the menu includes the foods from the [food pyramid](#) and meets nutritional needs.
 - b. Using the menu planned in requirement 4a, make a list showing the cost and food amounts needed to feed three or more boys and secure the ingredients.
 - c. Tell which pans, utensils, and other gear will be needed to cook and serve these meals.
 - d. Explain the procedures to follow in the safe handling and storage of fresh meats, dairy products, eggs, vegetables, and other perishable food products. Tell how to properly dispose of camp garbage, cans, plastic containers, and other rubbish.
 - e. On one campout, serve as your patrol's cook. Supervise your assistant(s) in using a stove or building a cooking fire. Prepare the breakfast, lunch, and dinner planned in requirement 4a. Lead your patrol in saying grace at the meals and supervise cleanup.
3. Identify or show evidence of at least ten kinds of native plants found in your community.
4.
 - a. Discuss when you should and should not use lashings
 - b. Demonstrate tying the [timber hitch](#) and [clove hitch](#) and their use in [square](#), [shear](#), and [diagonal lashings](#) by joining two or more poles or staves together.
 - c. Use lashing to make a useful camp gadget.
5.
 - a. Demonstrate tying the [bowline](#) knot and describe several ways it can be used.
 - b. Demonstrate bandages for a sprained ankle. and for injuries on the head, the upper arm, and the collarbone.

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c. Show how to transport by yourself, and with one other person, a person:

- from a smoke-filled room
- with a sprained ankle, for at least 25 yards.