

Fall Camp Prerequisites

Camp K Ranch Track Prerequisites and Requirements

Indian Lore Merit Badge (This MB will also be offered independently during evening programming available to all Scouts. If any of your Scouts want to attend the evening session they may complete these prerequisites as well.)

1. Identify the different American Indian cultural areas. Explain what makes them each unique.
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, where members of the group now live, and how they live

Scout Emergency Response Team S.E.R.T. Prerequisite

First Aid Merit Badge

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

Emergency Preparedness Merit Badge

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.

Camp K Labs

Chemistry Merit Badge Prerequisites

1. Do EACH of the following:

a. Describe three examples of safety equipment used in a chemistry laboratory and the reason each one is used.

Scouts should be prepared to describe their findings for this portion of the requirement. It is suggested that any notes or references be brought with to the class to aid in completion.

b. Describe what a safety data sheet (SDS) is and tell why it is used.

Scouts should research and formulate an answer that they can describe to the counselor during the class.

c. Obtain an SDS for both a paint and an insecticide. Compare and discuss the toxicity, disposal, and safe-handling sections for these two common household products.

This part of the requirement will be completed in the class however

Scouts should be familiar with the requirement and its terms to be better prepared for discussion.

d. Discuss the safe storage of chemicals. How does the safe storage of chemicals apply to your home, your school, your community, and the environment?

Scouts should review this requirement and its components and be prepared to discuss it.

2. Do EACH of the following:

b. Demonstrate how you would separate sand or gravel from water, describe how you would separate table salt from water, oil from water, and gasoline from motor oil. Name the practical processes that require these kinds of separations and how the process may differ.

Prior to arrival at the class, Scouts should research the items in this part of the requirement and be prepared to describe how each is separated from the other. Scouts should also have at least one "process" sample for each of these in mind to share.

c. Describe the difference between a chemical reaction and a physical change.

Scouts should bring any supporting notes to the class and be prepared to describe them.

5. List the five classical divisions of chemistry. Briefly describe each one and tell how it applies to your everyday life.

Scouts should review this requirement and be prepared to discuss it. It is strongly recommended that Scouts bring any notes or supporting documents they may have to help show the counselor that they have prepared for discussion of these items.

6. Do EACH of the following:

a. Name two government agencies that are responsible for tracking the use of chemicals for commercial or industrial use. Pick one agency and briefly describe its responsibilities.

b. Define pollution. Explain the chemical impacts on the ozone layer and global climate change.

c. Using reasons from chemistry, describe the effect on the environment of ONE of the following:

-The production of aluminum cans.

-Burning fossil fuels

-Single-use items, such as water bottles, bags, straws, or paper

d. Briefly describe the purpose of phosphates in fertilizer and in laundry detergent. Explain how the use of phosphates in fertilizers

affects the environment. Explain why phosphates have been removed from laundry detergents.

All of the options for requirement 6 can and should be researched and reviewed prior to the class. It is strongly recommended that Scouts bring any notes or supporting documents they may have to help show the counselor that they have prepared for discussion of these items.

Composite Material Merit Badge Prerequisites

1. Do the following:

c. Describe what a material safety data sheet (MSDS) {now global SDS} is and tell why it is used.

3. Describe how composite materials are made. Then do the following:

a. Discuss three different composite reinforcement materials, their positive and negative characteristics, and their uses. Obtain the MSDS for each one and discuss the toxicity, disposal, and safe-handling sections for these materials.

b. Discuss three different resins used in composites, their positive and negative characteristics, and their uses. Obtain the MSDS for each one and discuss the toxicity, disposal, and safe-handling sections for these materials. Include thermoset resins and thermoplastic resins in your discussion.

c. For each of the three resins you chose for requirement 3b, think of a new application that might be worth developing.

4. With your parent's permission and your counselor's approval do ONE of the following:

b. Find three composites-related websites. Share and discuss what you learn with your counselor.

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

Camp K Construction Company

Scouts must bring a pair of work gloves

Scouts will be painting so please bring a set of clothes that you can paint in

Scouts of the Frontier

Scouts must bring Totem Chit for Woodcarving MB

Camp K Naturalist

Bring a Hiking stool

Good Hiking Shoes or boots, this track is a very active track with lots of walking

Day Pack

This Track is conducted all outdoors so please prepare for possible rain and also bugs

Scout Academy

Scouts need to bring Scout Handbook (Instructors will sign off in scout books / Units will also receive advancement report)

First Aid Merit Badge

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