



# Nature

## The Official BYU PowWow Merit Badge Worksheet

Scout's Name

Instructor's Name

Scout's Address

City

State

Zip

### Instructions

- 1) The Scout is to review the merit badge book before the first week of the PowWow.
- 2) Bring this worksheet, paper, and pen or pencil each week.
- 3) **Bring a Merit Badge blue card with you on the second week.**

### Requirement Instructions

- 1) Requirement 1 will be covered and should be passed off during the two sessions of the PowWow.
- 2) Requirement 2 will be covered and should be passed off during the two sessions of the PowWow.
- 3) Requirement 3 will be covered and should be passed off during the two sessions of the PowWow.
- 4) Requirement 4 must be completed as **homework** in the time between the two sessions of the PowWow.
- 5) Requirements not passed off the first Saturday may be passed off the second Saturday.

**Due to possible time constraints at the PowWow, certain requirements that were originally planned to be completed in class may need to be completed as homework. Please LISTEN to ALL INSTRUCTIONS in class to be aware of any changes.**

### Requirement 1

**Initial**

a. Name three ways in which plants are important to animals.

b. Name a plant that is protected in your state or region, and explain why it is at risk.

### Requirement 2

**Initial**

a. Name three ways in which animals are important to plants.

b. Name an animal that is protected in your state or region, and explain why it is at risk.

**Requirement 3**

**Initial**

a. Explain the term "food chain."

b. Give an example of a four-step land food chain

c. and a four-step water food chain.

**Requirement 4**

**Initial**

Do all of the requirements in FIVE of the following fields:

**a. Birds**

1. In the field, identify eight species of 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.

**b. Mammals**

1. In the field, identify three species of wild mammals.
2. Make plaster casts of the tracks of a wild mammal.

**c. Reptiles or Amphibians**

1. Show that you can recognize the poisonous snakes in your area.
2. In the field, identify three species of reptiles or amphibians.
3. Recognize one species of toad or frog by voice; OR identify one reptile or amphibian by eggs, den, burrow, or other signs.

**d. Insects or Spiders**

1. Collect, mount, and label 10 species of insects or 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.

**e. Fish**

1. Catch and identify two species of fish.
2. Collect four kinds of animal food eaten by fish in the wild.

**f. Mollusks and Crustaceans**

1. Identify five species of mollusks and crustaceans.
2. Collect, mount, and label six shells.

**g. Plants**

1. In the field, identify 15 species of wild plants.
2. Collect and label the seeds of six plants OR the leaves of 12 plants.

**h. Soils and Rocks**

1. Collect and identify soils found in different layers of a soil profile.
2. Collect and identify five different types of rocks from your area.

*Note: In most cases all specimens should be returned to the wild at the location of original capture after the requirements have been met. Check with your merit badge counselor for those instances where the return of these specimens would not be appropriate.*

*Under the Endangered Species Act of 1973, some plants and animals are or may be protected by federal law. The same ones and/or others may be protected by state law. Be sure that you do not collect protected species.*

*Your state may require that you purchase and carry a license to collect certain species. Check with the wildlife and fish and game officials in your state regarding species regulations before you begin to collect.*

*Online Resources (Use any Internet resource with caution and only with your parent's or guardian's permission.)*

**Merit badge worksheets will not be accepted at the Council Office in place of the official Merit Badge Application Card. Those who do not complete all the requirements should take their partially completed merit badge worksheet and their official application card to their local merit badge counselors for completion.**