

## Forestry

### merit badge requirements and workbook

1. Prepare a field notebook, make a collection, and identify 15 species of trees, wild shrubs, or vines in a local forested area. Write a description in which you identify and discuss the following:
  - a. The characteristics of leaf, twig, cone, or fruiting bodies
  - b. The habitat in which these trees, shrubs or vines are found.
  - c. The important ways each tree, shrub, or vine is used by humans or wildlife and whether the species is native or was introduced to the area. If it is not native, explain whether it is considered invasive or potentially invasive.
  
2. Do ONE of the following (**can be done before camp, as part of school, personal, civic group or family project – contact MBC to confirm**):
  - a. Collect and identify wood samples of 10 species of trees. List several ways the wood of each species can be used.
  - b. Find and examine three stumps, logs, or core samples that show variations in the growth rate of their ring patterns. In the field notebook you prepared for requirement 1, describe the location or origin of each example (including elevation, aspect, slope, and the position on the slope), and discuss possible reasons for the variations in growth rate. Photograph or sketch each example.
  - c. Find and examine two types of animal, insect, or damage on trees. In the field notebook you prepared for requirement 1, identify the damage, explain how the damage was caused, and describe the effects of the damage on the trees. Photograph or sketch each example.
  
3. **PRE-CAMP** - Do the following:
  - a. Describe contributions forests make to:
    1. Our economy in the form of products.
    2. Our social well-being, including recreation
    3. Soil protection and increased fertility.
    4. Clean water.
    5. Clean air. (carbon cycling, sequestration)
    6. Wildlife habitat
    7. Fisheries habitat
    8. Threatened and endangered species of plants and animals

- b. Tell which watershed or other source your community relies on for its water supply.
4. **PRE-CAMP** - Describe what forest management means, including the following:
- a. Multiple-use management
  - b. Sustainable forest management
  - c. Even-aged and uneven-aged management and silvicultural systems associated with each type.
  - d. Intermediate cuttings.
  - e. The role of prescribed burning and related forest management practices.

**The *official* source for the information shown in this merit badge or section is:**

**[2018 Boy Scout Requirements](#), 2018 Edition (BSA Supply SKU #[641568](#))**