

Virtual Forestry Merit Badge, Friday April 29 10am-12pm



Before the Forestry merit badge workshop:

- 1. Download and/or print out the following worksheets. During the workshop, you will record answers to the questions. You will turn this into your merit badge counselor.**
- 2. If possible, obtain a tree leaf and bring it to the workshop if possible. Observe the tree's bark, its shape, and where it's growing.**
- 3. If possible, obtain a tree cookie (a cross-section of the trunk or branch) and bring it to the workshop.**
- 4. Complete the "Pre-visit Workshop Requirements" homework found at: <https://www.state.sc.us/forest/eduscout.htm>. You will turn this into your merit badge counselor.**

Schedule

- 1. Session 1, 10-10:15 - FORESTRY INTRODUCTION AND PRE-VISIT REQUIREMENTS REVIEW**
- 2. Session 2, 10:15-10:45 - GROWTH PATTERNS**
- 3. Session 3, 10:45-11:15 - TREE IDENTIFICATION**
- 4. Session 4, 11:15-11:30 - HAZARD TREE ID & REMEDIATION**
- 5. Sessions 5, 11:30-11:45 - FOREST MANAGEMENT**
- 6. Session 6, 11:45-12:00 - FORESTRY CAREERS AND EDUCATION**
- 7. Wrap-up & BSA paperwork, 12:00-12:05**

Session 2 Worksheet - Requirement 2b: Growth Patterns

1. What is dendrochronology?

2. List 3 different environmental conditions that can affect tree growth. What would the resulting patterns in the tree's annual growth rings look like?

3. Sketch the growth ring pattern of your tree cookie and record the age of the tree.

AGE OF TREE: _____

4. Describe the growth ring patterns and infer what conditions and other influences may have caused the growth pattern.

Session 3 Requirement 1: Dendrology Page (15 Trees)

(You will need to make 15 copies of this page for your Tree Identification book.)

Attach leaf here:

Common Name and Scientific Name:

Height:

Characteristics:

Habitat:

Uses:

Native or Invasive?

Session 4 - Requirement 6: Hazard Tree Identification & Remediation

Species	Hazard	Remedy

Session 5 - Requirement 5a: Forest Management page

Site 1 -

1. Type of forest? (Circle one.)

Old Growth or Second Growth

2. Type of stand? (Circle one.)

Even-aged or Uneven-aged

3. Describe the forest. (Types, Age, Spacing)

4. What silvicultural practices might a forester recommend for this site?

Site 2 -

1. Type of forest? (Circle one.)

Old Growth or Second Growth

2. Type of stand? (Circle one.)

Even-aged or Uneven-aged

3. Describe the forest. (Types, Age, Spacing)

4. What silvicultural practices might a forester recommend for this site?

Session 6 - Requirement 8: Careers page

I. QUALIFICATIONS & EDUCATION

A. What are the two different ways you can become a "registered forester"

1. _____

2. _____

B. Colleges: Describe the two forestry programs in SC (make sure to include the type of degree and the number of years to obtain it):

1. Clemson University

2. Horry-Georgetown Technical College

II. CAREER OPPORTUNITIES: After watching "*Forestry careers – Goforestry*," describe two possible careers you could obtain in the forestry field.

1. _____

2. _____

III. JOB RESPONSIBILITIES: Describe the job responsibilities of a forester.

