

## **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?

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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?

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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.

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**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:**

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**Height:**

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**Characteristics:**

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**Habitat:**

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**Uses:**

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**Native or Invasive?**

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**Session 4 - Requirement 6: Hazard Tree Identification & Remediation**

<b>Species</b>	<b>Hazard</b>	<b>Remedy</b>

**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)**

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

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**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)**

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

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**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 the forestry field.

1. \_\_\_\_\_

2. \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_