

## **Forestry**

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: Online Resources. Workbook developer: <a href="mailto:craig@craiglincoln.com">craig@craiglincoln.com</a>. Requirements revised: 2006, Workbook updated: April 2008.

Scout's Name:	Unit:	
Counselor's Name:	Counselor's Ph #:	
in which you identify and discuss the following: (Sample Noteb a. The characteristics of leaf, twig, cone, or fruiting bodies b. The habitat in which these trees, shrubs or vines are found.	ans or wildlife and whether the species is native or was introduced to the area.	
prepared for requirement 1, describe the location or origin of e slope), and discuss possible reasons for the variations in grow c. Find and examine two types of animal, insect, or damage on t	now variations in the growth rate of their ring patterns. In the field notebook you each example (including elevation, aspect, slope, and the position on the	
3. Do the following:		
a. Describe contributions forests make to:		
Our economy in the form of products		
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 o	n for its water supply.	
Describe what forest management means,		

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including the following:					
a. Manpie use management _					
b. Sustainable forest managen	nent				
c. Even-aged and uneven-age	d management and silvicultural systems associated v	with each type			
d. Intermediate cuttings.					
e. The role of prescribed burni	ng and related forest management practices.				
5. With your parent's and couns	elor's approval, do ONE of the following:				
	rivate forest area with its manager or a forester familia, and the forestry techniques used to achieve the obje	ar with it. Write a brief report describing the type of forest, ectives.			
<ul> <li>b. Take a trip to a logging operation or wood-using industrial plant and write a brief report describing:</li> <li>1. The species and size of trees being harvested or used and the location of the harvest area or manufacturer.</li> <li>2. The origin of the forest or stands of trees being utilized (e.g., planted or natural)</li> <li>3. The forest's successional stage. What is its future?</li> <li>4. Where the trees are coming from (land ownership) or where they are going (type of mill or processing plant)</li> <li>5. The products that are made from the trees</li> <li>6. How the products are made and used.</li> <li>7. How waste materials from the logging operation or manufacturing plant are disposed of or utilized.</li> </ul>					
	vention campaign in cooperation with your local fire wampaign, how it will help prevent wildfires, and your p	warden, state wildfire agency, forester, or counselor. Write a part in it.			
6. Do the following:					
a. Describe the consequences	to forests that result from FIVE of the following elements	ents:			
wildfire,					
absence of fire,					
insects,					

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	tree diseases,					
	air pollution,					
	overgrazing,					
	deer or other wildlife overpo	opulation,				
	improper harvest,					
	and urbanization					
b.	b. Explain what can be done to reduce the consequences you discussed in 6a.					
C.	Describe what you should o	do if you discover a forest fire				
	and how a professional fire	fighting crew might control it.				
	Name your state or local wi	ildfire control agency.				
7.	Visit one or more local fore education, qualifications, ca	sters and write a brief report a areer opportunities, and duties	bout the person (or related to forestry.	persons). Or, write	about a forester's occupation including the	
Воу	Scouts of America: ► sout ► Scout	Internet resource with caut couting.org ► Guide to Sa aderfoot ► Second Cla	afe Scouting ► ass ► First Clas	Age-Appropriates  Rank	Guidelines       ► Safe Swim Defense         Videos       ► Safety Afloat	
•	•	kbooks: usscouts.org -or-		•	oks: www.scoutstuff.org	
	erican Forest and Paper A ://www.enature.com	.ssn: <a href="http://www.afandpa.or">http://www.afandpa.or</a> <a href="http://www.epa.gov">http://www.epa.gov</a>	•		ters: http://www.safnet.org	
	. <u>//www.enature.com</u> (eys: <u>http://www.backyard</u>		http://www.state	ioresters.org	http://www.treelink.org	
	ve No Trace Center: http:/	•				
		://www.nationalgeographic.	com			
	Park Service: http://www.					

U.S. Dept of Ag. Forest Service: <a href="http://www.fpl.fs.fed.us">http://www.fpl.fs.fed.us</a>
USDA Nat Resources Cons Serv: <a href="http://www.nrcs.usda.gov">http://www.nrcs.usda.gov</a>

Req. 1A-1D: Field Notebook Collection Identifying 15 Species of Trees (Sample page) Attach sample here Attach sample here Species: Species: Habitat: Habitat: Characteristics: Characteristics: Uses: Uses: Native/Invasive? \_\_\_\_\_ Native/Invasive? Attach sample here Attach sample here Species: Species: Habitat: Habitat: \_\_\_\_ Characteristics: Characteristics: Uses: \_\_\_\_\_ Uses: Native/Invasive? Native/Invasive? \_\_\_\_\_ Attach sample here Attach sample here Species: Species: Habitat: Habitat: Characteristics: Characteristics : Uses: Uses: Native/Invasive? Native/Invasive?

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Req. 2A: Field Notebook Collection Identifying 10 Wood Samples (Sample page) Attach sample here Attach sample here Species: \_\_\_\_\_ Uses: \_\_\_\_\_ Attach sample here Attach sample here Species: \_\_\_\_\_ Attach sample here Attach sample here Species: Species: Uses:

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Req. 2B: Field Notebook Investigating Several Stumps or Logs (Sample page)				
Location: Variations: Possible Reasons	Location: Variations: Possible Reasons			
Location:	Location: Variations: Possible Reasons			
Location:	Location: Variations: Possible Reasons			