

Nature

Merit Badge Workbook



This workbook can help you but you still need to read the merit badge pamphlet.

This Workbook can help you organize your thoughts as you prepare to meet with your merit badge counselor. You still must satisfy your counselor that you can demonstrate each skill and have learned the information. You should use the work space provided for each requirement to keep track of which requirements have been completed, and to make notes for discussing the item with your counselor, not for providing full and complete answers. If a requirement says that you must take an action using words such as "discuss", "show", "tell", "explain", "demonstrate", "identify", etc, that is what you must do.

Merit Badge Counselors may not require the use of this or any similar workbooks.

No one may add or subtract from the official requirements found in Boy Scout Requirements (Pub. 33216 - SKU 637685).

	The requirements were last issued or revised in 2014	•	This workbook was updated in <u>June 2017.</u>
Scout's Name:_		_	Unit:
		_	

Counselor's Name:

Counselor's Phone No.: _____

http://www.USScouts.Org • http://www.MeritBadge.Org

Please submit errors, omissions, comments or suggestions about this <u>workbook</u> to: <u>Workbooks@USScouts.Org</u> Comments or suggestions for changes to the <u>requirements</u> for the <u>merit badge</u> should be sent to: <u>Merit.Badge@Scouting.Org</u>

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

1.	
2.	
c	
3.	

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

1.	
2.	
3.	

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

3. Explain the term "food chain."

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

1.	
2.	
3.	
4.	

Nature

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1.									
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	a. Bir		inements in F	IVE of the following	ng neids:				
	□ 1.		he field, identi	fy eight species c	of birds.				
•		1.							
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1			ke and set out	t a hirdhouse OR	a fooding statio	n OR a birdbath.			
	i i 7								
ו 	□ 2. □								
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🗌 b. Ma	mmals						
D. Ma 1.		ntify three species	of wild mammals	S.			
	1.	<u> </u>					
	2.						
	3.						
□ 2.		asts of the tracks of	of a wild mamma	1			
	ptiles or Amphi			1.			
□ • · · · · · · · · · · · · · · · · · ·		can recognize the	venomous snake	es in your area.			
2.		ntify three species					
	1.						
	2.						
	3.						
3.		e species of toad o	r frog by voice; C	R identify one re	eptile or amphibia	an by eggs, den,	burrow, or
🗌 d. Ins	other signs. ects or Spiders						
□ u . me		, and label 10 spec	ies of insects or	spiders.			
	1.	•		•			
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	9.						
	10.						

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Scout's Name: _____

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. Fis	h	
☐ 1.	Catch	and identify two species of fish.
	1.	
	2.	
2 .	Collec	t four kinds of animal food eaten by fish in the wild.
	1.	
	2.	
	3.	
	4.	
🗌 f. Mo	llusks	and Crustaceans
☐ 1.	Identi	fy five species of mollusks and crustaceans.
	1.	
	2.	
	3.	
	4.	
	5.	
2 .	Collec	pt, mount, and label six shells.
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	2.	
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	6.	
🗌 g. Pla		
☐ 1. 	1	field, identify 15 species of wild plants.
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	9.	





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.

When working on merit badges, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088). Important excerpts from that publication can be downloaded from http://usscouts.org/advance/docs/GTA-Excerpts

You can download a complete copy of the Guide to Advancement from http://www.scouting.org/filestore/pdf/33088.pdf.