INSECT STUDY MERIT BADGE WORKBOOK

This Scoutmaster Bucky Merit Badge Workbook is based off the current Scouts BSA Requirements.

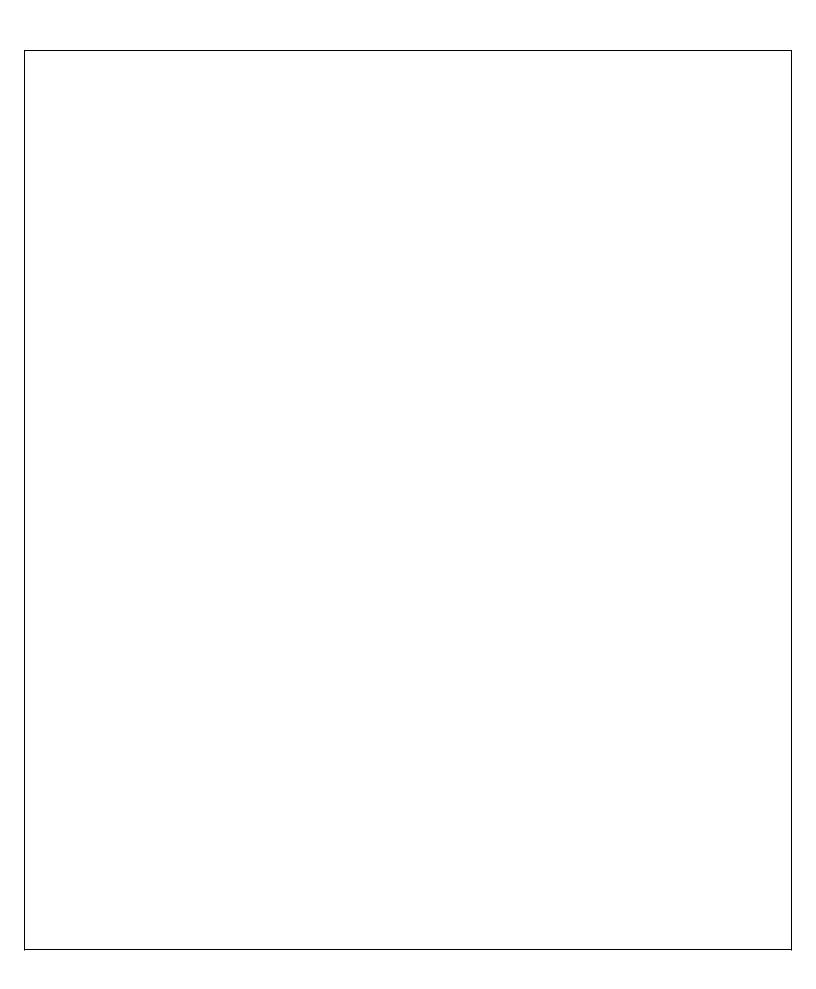
Consider also using the Insect Study merit badge class preparation page for clarification and expections when participating in a Scoutmaster Bucky merit badge opportunity (<u>online</u> or <u>in-person</u>).

https://scoutmasterbucky.com/merit-badges/insect-study/

Scout's Name:	
REQUIREMENT 1: Do the following:	
REQUIREMENT 1 A: Explain to your counselor the most likely hazards associated with exposure to ants and bees a what you should do to anticipate, help prevent, mitigate, and respond to these hazards.	and
Most likely hazards	
	,
Anticipate hazards	
Prevent hazards	

Mitigate hazards	
	- //
Respond to hazards	
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REQUIREMENT 1 B: Discuss the prevention of and treatment for health concerns that could occur while work	ing with
ants and bees, including insect bites and anaphylactic shock.	_
	ntipedes
REQUIREMENT 2: Tell how insects are different from all other animals. Show how insects are different from cer	ntipedes
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REQUIREMENT 3: Point out and name the main parts of an in	nsect.



REQUIREMENT 4: Describe the characteristics that distinguish the principal families and orders of insects.		
REQUIREMENT 5: Do the following:		
REQUIREMENT 5 A: Observe 20 different live species of in four orders of insects.	nsects in their habitat. In your observations, include at least	
Species observed		
	h.	
REQUIREMENT 5 B: Make a scrapbook of the 20 insects you and articles. Label each insect with its common and scient merit badge counselor.	u observe in 5a. Include photographs, sketches, illustrations, ific names, where possible. Share your scrapbook with your	
Completed		

REQUIREMENT 6: Do the following:			
REQUIREMENT 6 A: From your scrapbook collection, identify three species of insects helpful to humans and five species of insects harmful to humans.			
Helpful	Harmful		
REQUIREMENT 6 B: Discuss the use of integrated pest management vs. chemical methods of insect control. What are the advantages and disadvantages of each?			
REQUIREMENT 7: Explain the symbiotic relationship between bees and humankind. Explain what colony collapse disorder (CCD) is and some of the possible causes. Discuss how CCD affects our food supply.			

REQUIREMENT 8: Compare the life histories of a butterfly and a grasshopper. Tell how they are different.
REQUIREMENT 6: Compare the me histories of a butterny and a grasshopper. Tell now they are unreferre.
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DECUMPENTATION Delice and insent the country and the country of th
REQUIREMENT 9: Raise an insect through complete metamorphosis from its larval stage to its adult stage (e.g., raise a butterfly or moth from a caterpillar).*
* Some insects are endangered species and are protected by federal or state law. Every species is found only in its own special type of habitat. Be sure to check natural resources authorities in advance to be sure that you will not be collecting any species that is known to be protected or endangered, or in any habitat where collecting is prohibited. In most cases, all specimens should be returned at the location of capture after the requirement has been met. Check with your merit badge counselor for those instances where the return of these specimens would not be appropriate.
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REQUIREMENT 10: Do ONE of the following:
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REQUIREMENT 10 A: Observe an ant colony in a formicarium (ant farm). Find the queen and worker ants. Explain to your counselor the different chambers found within an ant colony.

REQUIREMENT 11: Tell things that make social insects different from solitary insects. REQUIREMENT 12: Tell how insects fit in the food chains of other insects, fish, birds, and mammals.	REQUIREMENT 10 B: Study a hive of bees. Remove the combs and find the queen. Estimate the amount of brood and count the number of queen cells. Explain how to determine the amount of honey in the hive.
REQUIREMENT 12: Tell how insects fit in the food chains of other insects, fish, birds, and mammals.	REQUIREMENT 11: Tell things that make social insects different from solitary insects.
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REQUIREMENT 13: Find out about three career opportunities in insect study. Pick o training, and experience required for this profession. Discuss this with your counselor, might interest you.	and explain why this profession
Three career opportunities	
Education, training, and experience required for one profession	