



# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE MAMMAL STUDY MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

<https://scoutmasterbucky.com/merit-badges/mammal-study/mammal-study-cpp.pdf>

### MAMMAL STUDY MERIT BADGE WORKBOOK

**REQUIREMENT 1:** Explain the meaning of “animal,” “invertebrate,” “vertebrate,” and “mammal.”

Animal:

Invertebrate:

Vertebrate:

Mammal:



# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 1:** Name three characteristics that distinguish mammals from all other animals.

CHARACTERISTICS #1

Notes:

CHARACTERISTICS #2

Notes:

CHARACTERISTICS #3

Notes:



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 2:** Explain how the animal kingdom is classified.

Notes:

**REQUIREMENT 2:** Explain where mammals fit in the classification of animals.

Notes:

**REQUIREMENT 2:** Classify three mammals from phylum through species.

	<i>Mammal #1</i>	<i>Mammal #2</i>	<i>Mammal #3</i>
<i>Phylum</i>			
<i>Class</i>			
<i>Order</i>			
<i>Family</i>			
<i>Genus</i>			
<i>Species</i>			



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**DO ONE OF THE FOLLOWING (3A, 3B, or 3C) FOR REQUIREMENT 3**

**REQUIREMENT 3a:** Spend three hours in each of two different kinds of natural habitats or at different elevations for a total of 6 hours. List the different mammal species and how many of each you identified by sight or sign.

Notes:

**REQUIREMENT 3a:** Tell why all mammals do not live in the same kind of habitat.

Notes:



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 3b:** Spend three hours on each of five different days in at least a 25-acre area (about the size of 3 1/2 football fields) for a total of 15 hours. List the mammal species you identified by sight or sign.

Notes:

**REQUIREMENT 3c:** From study and reading, write a simple life history of one nongame mammal that lives in your area. Tell how this mammal lived before its habitat was affected in any way by humans. Tell how it reproduces, what it eats, and its natural habitat. Describe its dependency upon plants and other animals (including humans), and how they depend upon it. Describe how humans have benefited from the mammal you have chosen and whether the mammal has benefited from association with humankind.

Notes:



# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**DO ONE OF THE FOLLOWING (4A, 4B, 4C, 4D, 4E, 4F, or 4G) FOR REQUIREMENT 4**

**REQUIREMENT 4a:** Under the guidance of a nature center or natural history museum, make two study skins of rats or mice. Tell the uses of study skins and mounted specimens, respectively.

Notes:

**REQUIREMENT 4b:** Take good pictures of two kinds of mammals in the wild. Record the date(s), time of day, weather conditions, approximate distance from the animal, habitat conditions, and any other factors you feel may have influenced the animal's activity and behavior.

Notes:



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 4c:** Write a life history of a native game mammal that lives in your area, covering the points outlined in requirement 3c. List sources for this information.

Notes:

**REQUIREMENT 4d:** Make and bait a tracking pit. Report what mammals and other animals came to the bait.

Notes:



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 4e:** Visit a natural history museum. Report on how specimens are prepared and cataloged. Explain the purposes of museums.

Notes:

**REQUIREMENT 4f:** Write a report of 500 words on a book about a mammal species.

Notes:





2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

**REQUIREMENT 4g:** Trace two possible food chains of carnivorous mammals from soil through four stages to the mammal.

FOOD CHAIN #1

Notes:

FOOD CHAIN #2

Notes:



2024 Edition

# SCOUTMASTER BUCKY

## Mammal Study Merit Badge

### REQUIREMENT 5:

Working with your counselor, select and carry out one project that will influence the numbers of one or more mammals.

Notes: