ANIMAL SCIENCE MERIT BADGE WORKBOOK

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

Consider also using the Animal Science 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/animal-science/

Scout's
Name:
Horse Option
This workbook covers only one of the options for this merit badge. Check the Scoutmaster Bucky website for the other possibilities.
REQUIREMENT 1: Name four breeds of livestock in each of the following classifications: horses, dairy cattle, beef cattle, sheep, hogs, poultry, and goats. Tell their principal uses and merits. Tell where the breeds originated.
Four breeds of horses
Four breeds of dairy cattle
Four breeds of beef cattle

Four breeds of sheep				
Four breeds of hogs				
RECHIREMENT 2: Lie	t five diseases that afflict th	ne animals in each of the cla	assifications in requirement 1. Also	list five
dispasses of poultry D	escribe the symptoms of e	ach disease and explain ho	w each is contracted and how it o	ould be
prevented.	escribe the symptoms of c	· ·		
prevented.				
prevented.	es, how each are contracted and h			
prevented.				
Prevented. Five diseases afflicting horse	es, how each are contracted and h	ow each could be prevented		
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Five diseases afflicting beef cattle, how each are contracted and how each could be prevented
Five diseases afflicting sheep, how each are contracted and how each could be prevented
ri adiana amin'ny taona haavana amin'ny faritr'i Arabana dia amin'ny faritr'i Arabana amin'ny fa
Five diseases afflicting hogs, how each are contracted and how each could be prevented
Five diseases afflicting poultry, how each are contracted and how each could be prevented

REQUIREMENT 3: Explain the differences in the digestive systems of ruminants, horses, pigs, and poultry. Explain how
the differences in structure and function among these types of digestive tracts affect the nutritional management of these
species.
Digestive system of ruminants and how it affects the nutritional management
Digestive system of horses and how it affects the nutritional management
Digestive system of horses and now it affects the nathtional management
Digestive system of pigs and how it affects the nutritional management
Digestive system of poultry and how it affects the nutritional management

REQUIREMENT 4: Select one type of animal—beef cow, dairy cow, horse, sheep, goat, or hog, or a poultry flock—and tell how you would properly manage it. Include in your discussion nutritional (feeding) concerns, housing, disease prevention, waste control/removal, breeding programs, and biosecurity as appropriate.

Your selected type of animal	
University and a second suppose to	
How you would properly manage it	
Nutritional concerns	
Nutritional concerns	
Housing	-
Disease prevention	

Waste control/removal	
Breeding programs	
Biosecurity	
Biosecurity	
	,

REQUIREMENT 5: Explain the importance of setting clear goals for any animal breeding program. Tell how purebred lines of animals are produced. Explain the practice of crossbreeding and the value of this practice.
Importance of setting clear goals
How purepred lines of animals are produced
now purepred lines of animals are produced
The practice of crossbreeding
The practice of crossificeding
The value of crossbreeding
The value of crossbreeding
REQUIREMENT 6: Complete ONE of the following options:
Horse Option

REQUIREMENT A: Make a sketch	of a useful saddle horse l	parn and exercise yard.	

REQUIREMENT B: Tell about the history of the horse and the benefits it has brought to people. Using the four breeds of horses you chose in requirement 1, discuss the different special uses of each breed.

History of the horse	
Thistory of the horse	
Benefits it has brought to people	,
Chariel uses for each broad you shage in requirement 1	·
Special uses for each breed you chose in requirement 1	

PEOULDEMENT C. Define the following terms: mare stallien	golding fool colt filly pougtons	avartar barga draft barga
REQUIREMENT C: Define the following terms: mare, stallion pacer, trotter; pinto, calico, palomino, roan, overo, tobiano.	, geiding, toat, coit, filly; mustang,	quarter norse, drait norse,
Mare		
Stallion		
Gelding		

Foal	
Colt	
COIL	
Filly	,
···,	
Mustang	,
Mustang	
Mustang	,
Mustang	

Quarter horse	
Draft horse	,
Didit noise	
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Pacer	
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Tacci	
Tacci.	
Tace.	
Tace.	
Tace.	
Tace.	
Trotter	

Pinto	
Calico	
Delemaine	
Palomino	
Palomino	
Palottitio	
Paloffilito	
Palomino	
Paloffilio	
Paloffilito	
Paloffilio	
Paloffilio	
Paloffilio	
Paloffilio	
Roan	

Overo
Tobiano
DECUMPATION DE Visit de la constant
REQUIREMENT D: Visit a horse farm. Describe what you saw and explain what you learned. If you cannot visit a horse farm, view a video from a breed association, or research the internet (with your parent's permission) for information on
farm, view a video from a breed association, or research the internet (with your parent's permission) for information on
horses. Tell about your findings.

REQUIREMENT E: Outline the proper feeding of a horse dichange according to the kind of horse and the work it does.	oing light work. Explain why the amount and kind of feed will Describe what colic is, what can cause it, and its symptoms.
Proper feeding of a horse doing light work	
Why the amount and kind of feed will change according to the kind of hor	se and the work it does
with the amount and kind of reed will change according to the kind of nor	se and the work it does
Describe what colic is, what can cause it, and its symptoms	

REQUIREMENT 7: Find out about three career opportunities in animal science. Pick	one and find out	the education.
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		/
Education, training, and experience required for one profession		