

SGOUTMASTER BUGKY

2024 Edition

Animal Science Merit Badge

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

https://scoutmasterbucky.com/merit-badges/animal-science/class-prep/

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.
HORSES:	
Breed #1:	
Principal uses and mer	rit:
Origination:	
~~	
Breed #2:	
Principal uses and mer	rit:
Origination:	





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Breed #3:	
Principal uses and merit:	
Origination:	
Breed #4:	
Principal uses and merit:	
Timolpai ases and ment.	
Origination:	





DAIRY CATTLE:
Breed #1:
Principal uses and merit:
Origination:
Breed #2:
Principal uses and merit:
Principal uses and merit:
Principal uses and merit:





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Breed #3:
Breed #3:
Principal uses and merit:
Origination:
Breed #4:
Principal uses and merit:
Origination:





BEEF CATTLE:		
Breed #1:		
Principal uses and merit:		
Origination:		
Breed #2:		
Principal uses and merit:		
Origination:		







Breed #3:
Breed #3:
Principal uses and merit:
Origination:
Breed #4:
The Breed #4:
Principal uses and merit:
Origination:







SHEEP:
Breed #1:
Principal uses and merit:
Origination:
Breed #2:
Principal uses and merit:
Origination:





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Breed #3:	
Principal uses and merit:	
Origination:	
Breed #4:	
Principal uses and merit:	
Origination:	
Origination.	





HOGS:
Breed #1:
Principal uses and merit:
Origination:
Breed #2:
Principal uses and merit:
Origination:







Breed #3:
Principal uses and merit:
Origination:
Breed #4:
Principal uses and merit:
Origination:





POULTRY:		
Breed #1:		
Principal uses and merit:		
Finicipal uses and ment.		
Origination:		
Breed #2:		
Principal uses and merit:		
Origination:		







Breed #3:	
Principal uses and merit:	
Origination:	
Breed #4:	
Principal uses and merit:	
Origination:	







GOATS:
Breed #1:
Principal uses and merit:
Origination:
Breed #2:
Principal uses and merit:
Origination:







Breed #3:
Principal uses and merit:
Origination:
Breed #4:
Principal uses and merit:
Origination:



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REQUIREMENT 2:	List five diseases that afflict the animals in each of the classifications in requirement 1. Also list five diseases of poultry. Describe the symptoms of each disease and explain how each is contracted and how it could be prevented.
HORSES:	
←	
Disease #1:	
Symptoms:	
Contracted:	
Contracted.	
Prevention:	
1 Breed #2:	
Symptoms:	
Contracted:	
Prevention:	







Breed #3:
Symptoms:
Contracted:
Contracted.
Prevention:
Breed #4:
Symptoms:
Contracted
Contracted:
Prevention:





DAIRY CATTLE:
Breed #1:
Symptoms:
Contracted:
Prevention:
Breed #2:
Symptoms:
Constructed:
Contracted:
Prevention:





Breed #3:
Symptoms:
Symptoms.
Contracted:
Prevention:
Breed #4:
Breed #4:
Symptoms:
Contracted:
Prevention:





BEEF CATTLE:
Breed #1:
Symptoms:
Contracted:
Prevention:
Breed #2:
Symptoms:
Contracted:
Prevention:





Breed #3:
Symptoms:
- Cymptomo.
Contracted:
Prevention:
Breed #4:
M Breed #4:
Symptoms:
Contracted:
Prevention:



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SHEEP:
FT Breed #1:
Symptoms:
Contracted:
Prevention:
-
Breed #2:
Symptoms:
Contracted:
Prevention:





Preed #3:
Symptoms:
Contracted:
Prevention:
Breed #4:
Symptoms:
Contracted:
Prevention:





HOGS:
Breed #1:
Symptoms:
Contracted:
Prevention:
Breed #2: Symptoms:
Symptoms:
Contracted:
Prevention:





Breed #3:
Symptoms:
Contracted:
Prevention:
Breed #4:
Symptoms:
Contracted:
Prevention:





POULTRY:
Breed #1:
Symptoms:
Contracted:
Prevention:
Breed #2:
Symptoms:
Contracted:
Prevention:





Breed #3:
Symptoms:
Contracted
Contracted:
Prevention:
Breed #4:
Symptoms:
Contracted:
Prevention:





GOATS:
Breed #1:
Breed #1:
Symptoms:
Contracted:
Prevention:
~~ >
Breed #2:
Symptoms:
Contracted:
Prevention:





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Breed #3:
Symptoms:
Contracted:
Prevention:
Breed #4:
Symptoms:
Contracted:
Prevention:



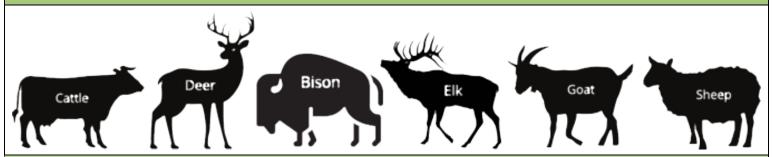
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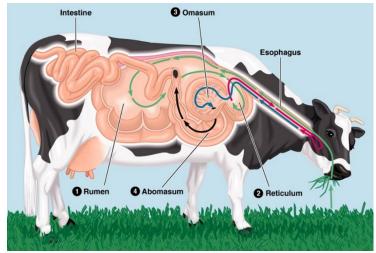
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REQUIREMENT 3:

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.



CATTLE:

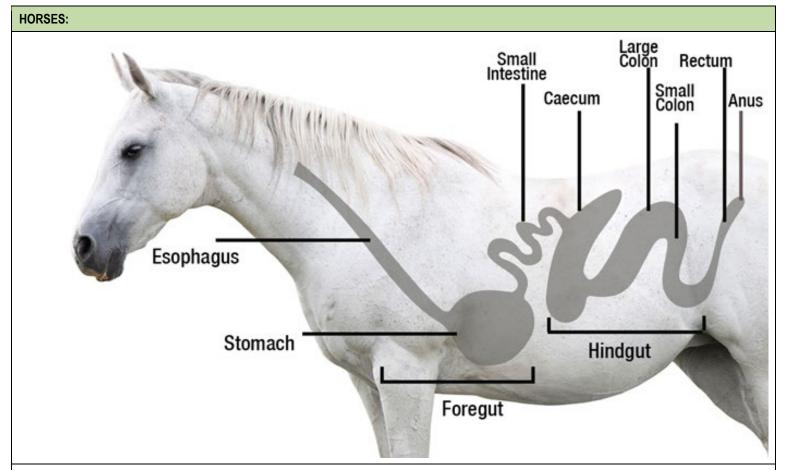


Digestive System Characteristics:



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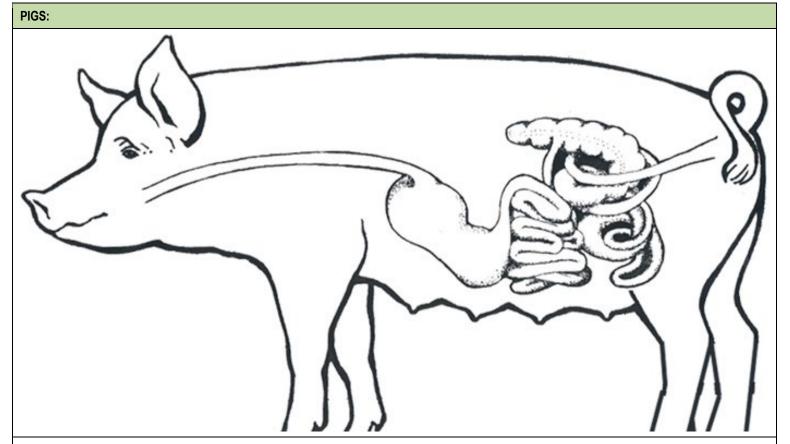
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Digestive System Characteristics:







Digestive System Characteristics:



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Esophagus Proventriculus Gizzard Small intestine Liver Cloaca Ceca

Digestive System Characteristics:



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REQUIREMENT 4:

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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.

	(feeding) and biose	concerns, hous ecurity as appro	ing, disease prevo priate.	ention, waste con	trol/removal, bre	eding programs,
Beef Cow	Dairy Cow	Horse	Sheep	Goat	Hog	Poultry
Selected Anima	l Type:					
Proper Manager	ment:					
Nutritional (Fee	ding) Concerns:					
real forms	unig, conseins.					
Housing:						
Disease Preven	tion:					





	al:
Breeding Programs:	
Diocouritus	
Biosecurity:	
REQUIREMENT 5:	Explain the importance of setting clear goals for any animal breeding program.
	Explain the importance of setting clear goals for any animal program.
Notes:	Explain the importance of setting oldar goals for any animal processing program.
Notes:	Explain the importance of setting oldar goals for any animal precamp program.
Notes:	Explain the importance of setting order goals for any animal precamp program.
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Notes:	Explain the importance of setting order goals for any animal precamp program.
Notes:	Explain the importance of Setting Goal goals for any animal proceding program.
Notes:	Explain the importance of setting older gods for any animal preceding program.
Notes:	Explain the importance of setting deal goals for any animal processing program.
Notes:	Explain the importance of setting deal godie for any animal proceding program.
Notes:	Explain the importance of secting order godie for any animal proceding program.





REQUIREMENT 5:	Tell how purebred lines of animals are produced.
Notes:	
DECLUDENCE -	
REQUIREMENT 5:	Explain the practice of crossbreeding and the value of this practice.
	Explain the practice of crossbreeding and the value of this practice.
Notes:	Explain the practice of crossbreeding and the value of this practice.
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COMPLETE ONE OF THE FOLLOWING OPTIONS FOR REQUIREMENT 6

PLEASE NOTE THAT EACH OPTION FOR REQUIREMENT 6 IN THE ANIMAL SCIENCE MERIT BADGE IS A SEPARATE SUPPLEMENTAL WORKBOOK SECTION

Choose the option you want to do for completing Requirement 6 and download that section for inclusion with the main section of the Scoutmaster Bucky Animal Science Merit Badge Workbook.

BEEF CATTLE OPTION

DAIRYING OPTION

HORSE OPTION

SHEEP OPTION

HOG OPTION

AVIAN OPTION





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REQUIREMENT 7:	Find out about three career opportunities in animal science.
Career Opportunity #1:	
Career Opportunity #2:	
Career Opportunity #3:	
REQUIREMENT 7:	Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor.
Selected Career Opport	unity:
Educational Requirement	nts:
Training Requirements:	
Experience Requiremen	ts:
REQUIREMENT 7:	Explain why this profession might interest you.
Notes:	