

Tennessee 4-H Veterinary Science Project

Advanced





ANIMAL HEALTH AND DISEASE

Outcome: Communicate with the public and younger 4-H members about common animal diseases.



EXPLORE: Step Out Activity

Research common animal disease terms and definitions. List two common diseases in each of the following species: cattle, horse, swine, and goat/sheep. Use the chart below to help.

Once you have researched diseases in each species, create a display board to teach younger 4-H members about the diseases. Ask your 4-H agent to help you schedule a time to share your information.

Species	Disease Name	Definition
Cattle Disease #1		
Cattle Disease #2		
Horse Disease #1		
Horse Disease #2		
Swine Disease #1		
Swine Disease #2		
Goat or Sheep Disease #1		
Goat or Sheep Disease #2		



VETERINARY ROLES

Outcome: Create a list of scheduled vaccinations for an animal of your choice.



EXPLORE: Step Out Activity

From the time an animal is born, it needs vaccinations. Choose a species of animal to create a vaccination schedule, from birth to three years of age.

Species Selected:	
Timeline	Vaccine Name & Purpose



EXPAND & APPLY

What skills did you learn? How does this relate to every day life? How can you use this knowledge in the future?



ANIMAL HUSBANDRY

Outcome: Create a handout that uses Beef Quality Assurance (BQA) principles to market cattle that includes drug withdrawal times and proper injection sites.

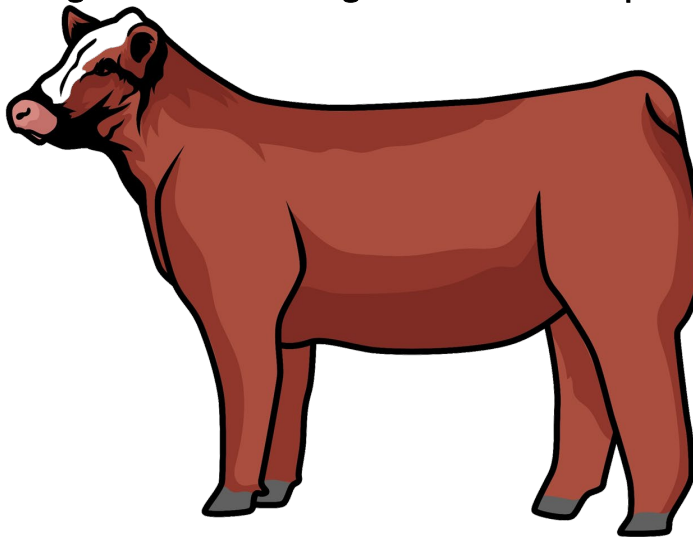


EXPLORE: Step Out Activity

Identify two drugs often administered to cattle for the common diseases you learned about in Outcome #1. Use this information to answer the questions below.

Name of Drug	Withdrawal Time

Indicate the correct injection site on the cow below for each drug listed above by circling the appropriate area and drawing a line from the drug name to the corresponding location.



EXPAND & APPLY

What skills did you learn? How does this relate to every day life? How can you use this knowledge in the future?



VETERINARY ROLES

Outcome: Actively participate in animal care activities under direct veterinary guidance.



EXPLORE: Step Out Activity

Work with your 4-H agent to identify a local veterinarian you can job shadow for a day. Begin your day interviewing him or her about their work in veterinarian medicine. Ask and answer the questions below.

Name of veterinarian:

Date of interview:

Where did the veterinarian attend veterinary school?

When did the veterinarian begin working?

What is their favorite part of the job?

What is one thing they wish they had known before becoming a veterinarian?

What is one of the most challenging parts of being a veterinarian?

Also, be sure to ask what you will specifically get to be involved in during your time job shadowing.



EXPAND & APPLY

What skills did you learn? How does this relate to every day life? How can you use this knowledge in the future?



VETERINARY ROLES

Outcome: Explain a veterinarian's role in maintaining and promoting public and animal population health.



EXPLORE: Step Out Activity

Research the role of a veterinarian in promoting public and animal population health. Why is it important to your community for veterinarians to exist and treat animals? What might happen if there were no veterinarians in the world? Write an article about your job shadowing experience and what you have learned through your research about the importance of veterinarians. Ask your 4-H agent to share your article in a monthly newsletter or send it to the local newspaper. Use the space below to create an outline of your article.

Introduction:

Body:

Conclusion:



EXPAND & APPLY

What skills did you learn? How does this relate to every day life? How can you use this knowledge in the future?