

Veterinary Science

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Animal Husbandry

- Calculate the cost of care and management for animal(s) of interest.
- Design a feed plan and calculate nutritional requirements based on an animal's production status.
- Create a handout that uses BQA principles to market cattle that includes drug withdrawal times and proper injection sites.

Animal Health and Disease

- Create a herd wellness assessment and plan for implementing improvements for a fellow 4-H member's animal project.
- Communicate with the public and younger 4-H'ers about common animal diseases.
- Use current veterinary literature to discuss the control/eradication implementation of a chosen disease.
- Identify common methods to prevent disease within a population of animals.
- Describe ways to alleviate animal pain and suffering.
- Explain critical features of health certificates for animal movement.
- Describe basic principles of epidemiology and population health.
- Create a producer handout that describes a particular disease and how to properly control the disease.
- Create a handout that outlines a biosecurity program.

Veterinary Roles

- Actively participate in animal care activities under direct veterinary guidance.
- Effectively communicate with animal owners to collect a history concerning the animal's health.
- Create a client/producer informational handout focusing on how a single animal condition can be diagnosed, eradicated, prevented and treated.



- Analyze the working environment of a veterinary practice.
- Determine the principles of scientific investigation in veterinary sciences.
- Recognize key problem solving and critical thinking skills related to animal care.
- Identify new and emerging issues impacting veterinary medicine in your community.
- Describe the tools and skills necessary to promote lifelong learning related to animal care.
- Explain a veterinarian's role in maintaining and promoting public and animal population health.



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