**Agriculture in Society**

**Unit 2:** Animal and Livestock Production in Agriculture

**Lesson 2:** Veterinary Science Basics in Agriculture

**Lesson 2.1:** Role of Veterinarians in Agriculture

State Orientation to Agriculture in Society Standards:

**OAS 3.06** Summarize the roles veterinarians play in animal agriculture

National AFNR Standards:

**FPS.03** Describe career opportunities and means to achieve those opportunities in each of the AFNR career pathways

Student Learning Objectives:

1. Students will describe the roles that a veterinarian might play in agriculture and society.

Outside Resources

1. [American Veterinary Medical Association](https://www.avma.org/teacher-guide-lesson-plans#bovine)

*Note: You will have to scroll to each lesson plan.*

* 1. The Life of a Bovine Veterinarian (OAS 3.06)
     1. **Lesson Plan, Activities, Crosswords –** This lesson teaches students about a career of a bovine veterinarian. This lesson is primarily for 4th-6th grade, but could easily be adapted for 7th graders. There are three potential activities with this lesson: Interview questions to ask a veterinarian, life cycle stages of a dairy cow, food production veterinary science.
  2. Food Supply Veterinarians Help Protect What We Eat (OAS 3.06)
     1. **Lesson Plan, Activity, Crosswords-** This lesson teaches students about the role of food safety organizations and systems, the importance of food inspections, and the roles of food supply veterinarians. There are three potential activities with this lesson: My letter to a friend, food supply veterinarian facts, and questions about food supply veterinarians.
  3. Veterinarians Help Protect the Environment and Assist in Disaster Recovery (OAS 3.06)
     1. **Lesson Plan, Activity, Crosswords-** Students will learn about the roles that a veterinarian play in environmental safety. There are three potential activities with this lesson: My Disaster Preparedness Plan, The Impact of Environmental Pollutants on Animals and Humans, and How Emerging Contaminants Impact the Environments
  4. Emergency Care Veterinarian (OAS 3.06)
     1. **Lesson Plan, Activity, Crosswords-** This lesson provides students with an opportunity to learn about what an emergency care veterinarian does. There are three potential activities with this lesson: My Veterinary ER Journal, My Pet Emergency First-Aid Kit, Disaster Pet Care Planning
  5. Veterinarians in Biomedical Research (OAS 3.06)
     1. **Lesson Plan, Activity, Crosswords-** This lesson teaches students about opportunities related to veterinary sciences and research. There are three potential activities with this lesson: Learn about West Nile Virus, A Dog Named Triumph, and How Animal Research Helps Fight Cancer

1. University of Idaho
   1. [Veterinary Client Relationship](https://www.uidaho.edu/-/media/UIdaho-Responsive/Files/Extension/4-H/Animal-Science-Lesson-Plans/Health-Diseases-Vet-Client-Relationships-L1-ALL-GSilkwood.pdf?la=en&hash=1D0F1FAC865261A3FBD3CA66448A9082F085C0EF) (OAS 3.06)
      1. **Lesson Plan, Handouts and Activity-** Students will explore the veterinary client relationship and learn how to develop that relationship through handouts and a lesson plan.
2. National FFA
   1. [Lesson Plan: Animal Health Careers](https://www.ffa.org/animal-systems/lesson-plan-idea-animal-health-careers/) (OAS 3.06)
      1. **Lesson Plans, Activities, Virtual Field Trip-** This resource has students explore medicines, vaccines, and services provided to veterinarians and producers. Students will learn about stem careers, explore animal health, and reflect on the scientific process

Large Animal Veterinarian Lesson Plan

Resource: [Specialty Practice of a Large Animal Veterinarian](https://vethotspot.com/2022/07/07/the-specialty-practice-of-a-large-animal-veterinarian/) (OAS 3.06)

Instructions: Students will read each of the sections of the article at the link listed above. Students will read each section, and you will lead a student discussion. Below, are a list of questions to ask with each section.

1. **Large Animal Veterinarians: What Do They Do?**

* What do you think “large animal” means? What size of animal does that refer to? Provide some examples of large animals.
* There are a lot of potential specialties. Which one would you be most likely to see in your life? Which specialty practice would you like to spend a day observing?

1. **Qualifications for a Large Animal Veterinarian**

* Why do you think it takes so long to become a veterinarian?

1. **When to Call a Large Animal Vet**

* How many of you have ever had to take an animal to the vet?
* What were some of the symptoms your animal was experiencing?

1. **Unique Health Conditions They May Treat**

* Do any of these conditions sound familiar to you? Why?

1. **The Daily Activities of Large Animal Veterinarians**

* Were there any activities that surprised you?
* Are there any activities listed that you feel like take up a lot of time?
* Which of the activities do you think may be the hardest?

1. **The Value of a Trusted Large Animal Veterinarian**

* Does your family have a veterinarian they trust? Why?

**General Questions at the end**

1. How do you think a pet veterinarian differs from a livestock one?
2. How do you think a livestock vet’s day looks compared to a pet veterinarian?
3. Is this a career you are interested in pursuing? Why or why not?