

# Equine Science - 5th 6 Weeks Lesson Plan

## TEKS Standards Addressed:

- **130.2(c)(4):** Identify and explain major livestock species, including horses.
  - **130.2(c)(5):** Understand animal husbandry, anatomy, and nutrition.
  - **130.2(c)(6):** Explain livestock health and disease management.
  - **130.2(c)(7):** Discuss animal facilities, care, and management.
  - **130.2(c)(9):** Explore careers in animal science, including equine industries.
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## Week 1: Equine Domestication

### Monday: No School (Student Holiday)

- No lesson.

### Tuesday-Wednesday: Equine Domestication

- **Objective:** Explain the history of horse domestication and its role in human civilization.
- **Activity:** Timeline creation – students research and develop a timeline of key events in equine domestication.
- **Assessment:** Class discussion and timeline evaluation.

### Thursday-Friday: Equine Domestication Timeline

- **Objective:** Analyze how domestication has influenced modern horse breeds and usage.
  - **Activity:** Group discussion on breed evolution and uses of horses today.
  - **Assessment:** Exit quiz on key domestication facts.
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## Week 2: Equine Senses

### Monday-Friday: Equine Sensory Systems

- **Objective:** Understand how horses perceive their environment using different senses.
  - **Activity:** Sensory simulation lab (students perform activities demonstrating horse vision, hearing, smell, etc.).
  - **Assessment:** Worksheet and class discussion on adaptations of equine senses.
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## Week 3: Equine Health & Care

### Monday-Friday: The Healthy Horse

- **Objective:** Identify key factors in maintaining horse health, including diet, exercise, and environment.
  - **Activity:** Case studies on horse care routines and veterinary checkups.
  - **Assessment:** Group presentations on best horse care practices.
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## Week 4: Equine Digestion & Disease Management

## Monday-Tuesday: Equine Digestion

- **Objective:** Explain the digestive process in horses and common nutritional needs.
- **Activity:** Digestion notes & interactive digestion labeling worksheet.
- **Assessment:** Diagram of equine digestive system.

## Wednesday-Friday: Equine Disease Project

- **Objective:** Identify common equine diseases, their symptoms, prevention, and treatment.
- **Activity:** Student research and presentations on assigned equine diseases.
- **Assessment:** Project presentation and peer review.

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# Week 5: Equine Facilities & Management

## Monday-Wednesday: Equine Facilities

- **Objective:** Understand proper horse housing, stable management, and safety considerations.
- **Activity:** Virtual stable tour and facility design activity.
- **Assessment:** Student-created stable blueprints.

## Thursday-Friday: Equine Facilities Project

- **Objective:** Design a functional equine facility based on best management practices.

- **Activity:** Group project – students design and present a model horse facility.
  - **Assessment:** Facility project presentation.
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## **Week 6: Equine Careers**

### **Monday-Wednesday: Equine Careers**

- **Objective:** Explore career opportunities in the equine industry.
- **Activity:** Research career options (veterinarian, trainer, jockey, stable manager, etc.) and interview a professional (if possible).
- **Assessment:** Career research summary.

### **Thursday-Friday: Equine Careers Project**

- **Objective:** Present findings on career pathways in equine science.
- **Activity:** Students create a career profile presentation.
- **Assessment:** Career project presentations and peer evaluation.