## **Fifth Six Weeks Lesson Plan: Equine Science**

**Focus Units:** Health, Senses, and Anatomy  
 **Grade Levels:** 10–12  
 **TEKS Alignment:**

* **§130.13(c)(4):** Discuss normal and abnormal animal behavior.
* **§130.13(c)(5):** Identify diseases and parasites.
* **§130.13(c)(6):** Identify signs of good health and methods of disease prevention.
* **§130.13(c)(9):** Analyze systems of animals, including skeletal, muscular, and digestive systems.

### **Week 1: Introduction to Equine Health**

* **Monday:** *Student Holiday*
* **Tuesday–Friday:**
  + **Topic:** Healthy Horse Notes
  + **Activities:**
    - Guided notes on signs of a healthy horse (coat, eyes, behavior, appetite)
    - Visual analysis of images/videos of healthy vs. unhealthy horses
    - Begin Equine Health Warning Signs Poster
  + **Assessment:** Informal check of notes
  + **TEKS:** §130.13(c)(4), (6)

### **Week 2: Equine Senses & Health Conditions**

* **Monday:** Equine Health Poster Due
* **Tuesday:** *Watch and Learn: Dr. Pol Equine Episode* (focus on warning signs and treatments)
* **Wednesday–Friday:**
  + **Topic:** Equine Senses
  + **Activities:**
    - Sensory systems overview (sight, smell, hearing, touch, taste)
    - Complete and discuss Equine Senses Notes
  + **Assessment:** Exit ticket (describe a scenario involving a sensory response in a horse)
  + **TEKS:** §130.13(c)(4)

### **Week 3: Line of Sight & Health Review**

* **All Week:**
  + **Project:** *Line of Sight Project*
  + **Topic:** How horses see their environment—blind spots, prey behavior, etc.
  + **Thursday:** *Test over Health & Senses Notes*
  + **Friday:** *Line of Sight Project Due*
  + **Assessment:** Project rubric & quiz grade
  + **TEKS:** §130.13(c)(4)

### **Week 4: Digestive & Parasite Systems**

* **Monday:** *St. Patrick’s Day History Passage and Vibe Check In*
* **Tuesday–Wednesday:**
  + **Topic:** Digestive System Notes
  + **Activities:**
    - Guided notes + diagram labeling
    - Short video on equine digestion
  + **Thursday–Friday:**
    - Parasite Presentation (Group work)
    - Each group presents on one internal/external parasite
  + **Assessment:** Parasite Presentation rubric
  + **TEKS:** §130.13(c)(5), (9)

### **Week 5: Skeletal System & Career Crossover**

* **Monday:** *March Madness Roots in Farming Passage & Questions*
* **Tuesday:** *March Madness Career Pennant Project*
* **Wednesday–Friday:**
  + **Topic:** Skeletal System & Hoof Health
  + **Activities:**
    - Guided skeletal notes and diagram
    - Hoof health maintenance (hoof picking, farrier work)
    - Complete worksheets on skeletal system
  + **Assessment:** Worksheets and career project presentation
  + **TEKS:** §130.13(c)(6), (9)

### **Week 6: Anatomy Capstone**

* **All Week:**
  + **Project:** *Anatomy Skull-pture Project* (3D model or diagram of equine skull with labels)
  + **Friday:** *Anatomy and Health Unit Test*
  + **Assessment:**
    - Skull-pture Project Rubric
    - Unit Test covering all systems and health topics
  + **TEKS:** §130.13(c)(6), (9)