## **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)