

4th 6 weeks Lesson Plan

Week 1: Nutrition

Monday: No School

Tuesday: Nutrition - Feed Bag Project

- **Objective:** Identify key nutritional components in livestock feed.
- **Activity:**
 - Students bring empty feed bags or images of feed labels.
 - Analyze and discuss ingredients and nutrient percentages.
 - Create a chart comparing feed labels.
- **TEKS:** 130.4(c)(8)(A)

Wednesday: Nutrition - Feed Bag Project (continued)

- **Objective:** Understand feed formulation and nutrient balancing.
- **Activity:**
 - Group work to create an ideal feed bag label for a specific livestock species.
 - Presentations of their feed designs.
- **TEKS:** 130.4(c)(8)(B)

Thursday-Friday: Nutrition - Rations

- **Objective:** Learn to calculate rations for livestock.
 - **Activity:**
 - Guided instruction on balancing rations using Pearson's square method.
 - Students create rations for different scenarios (e.g., weight gain, lactation).
 - Class discussion on practical challenges in feeding livestock.
 - **TEKS:** 130.4(c)(8)(C)
-

Week 2: Animal Health

Monday: Nutrition - Make a Ration (M&M Ration Worksheet)

- **Objective:** Apply ration formulation in a hands-on activity.
- **Activity:**
 - Students use M&Ms (or colored beads) to represent different feed ingredients.
 - Create rations for specific livestock needs and calculate costs.
- **TEKS:** 130.4(c)(8)(C)

Tuesday: Animal Health - Vocabulary

- **Objective:** Learn key terminology related to livestock health.
- **Activity:**
 - Vocabulary matching activity.

- Kahoot or Quizlet review game.
- **TEKS:** 130.4(c)(7)(A)

Wednesday: Animal Health - Signs & Symptoms

- **Objective:** Recognize signs of illness in livestock.
- **Activity:**
 - Use images or videos of livestock to identify healthy vs. sick animals.
 - Students complete a symptoms observation chart.
- **TEKS:** 130.4(c)(7)(B)

Thursday-Friday: Animal Health - Notes

- **Objective:** Learn about common diseases and their prevention.
 - **Activity:**
 - Lecture on bacterial, viral, and parasitic diseases.
 - Guided notes with class discussion on treatment options.
 - **TEKS:** 130.4(c)(7)(C)
-

Week 3: Medication & Injections

Monday: No School (MLK Day)

Tuesday: Medication & Injections - Vocabulary

- **Objective:** Understand terminology related to livestock medication.
- **Activity:**
 - Students match terms like "intramuscular," "subcutaneous," and "withdrawal period" with definitions.
- **TEKS:** 130.4(c)(7)(D)

Wednesday-Thursday: Medication & Injections - Notes

- **Objective:** Learn the proper methods for administering injections.
- **Activity:**
 - Discuss safety protocols and equipment handling.
 - Watch a demonstration video on livestock injections.
- **TEKS:** 130.4(c)(7)(D)

Friday: Medication & Injections - Lab

- **Objective:** Practice injection techniques.
 - **Activity:**
 - Use practice tools (e.g., oranges or injection pads) to simulate giving injections.
 - Emphasize sterility and safety.
 - **TEKS:** 130.4(c)(7)(D)
-

Week 4: Basic Animal Reproduction

Monday: Basic Animal Reproduction - Vocabulary

- **Objective:** Define reproductive terms and cycles in livestock.
- **Activity:**
 - Vocabulary quiz or flashcard activity.
 - Students create diagrams of reproductive systems.
- **TEKS:** 130.4(c)(6)(A)

Tuesday-Thursday: Basic Animal Repro - Anatomy & Physiology

- **Objective:** Understand the reproductive systems of livestock species.
- **Activity:**
 - Guided lecture and notes on anatomy and physiology.
 - Label reproductive organs on diagrams.
 - Group activity: compare species' reproductive cycles.
- **TEKS:** 130.4(c)(6)(A)

Friday: Basic Animal Repro - Anatomy & Physiology Quiz

- **Objective:** Assess understanding of livestock reproduction.
 - **Activity:**
 - Students complete a short quiz on reproductive anatomy and physiology.
 - Class discussion on results and review.
 - **TEKS:** 130.4(c)(6)(B)
-

Week 5: Basic Animal Reproduction (continued)

Monday-Tuesday: Process & Cycle

- **Objective:** Learn the reproductive process and breeding cycles.
- **Activity:**
 - Discuss estrus, fertilization, and gestation.
 - Case study: Calculate breeding schedules for a livestock herd.
- **TEKS:** 130.4(c)(6)(B)

Wednesday: Basic Animal Repro Review

- **Objective:** Reinforce knowledge of reproduction.
- **Activity:**
 - Group Jeopardy game covering all reproduction topics.
 - Create a study guide.
- **TEKS:** 130.4(c)(6)(B)

Thursday-Friday: Exam/Project

- **Objective:** Evaluate knowledge of animal reproduction.

- **Activity:**
 - Written exam or group project: Develop a breeding plan for a specific species.
 - **TEKS:** 130.4(c)(6)(C)
-

Week 6: Livestock Handling

Monday: Livestock Handling Intro

- **Objective:** Learn the basics of livestock handling and safety.
- **Activity:**
 - Lecture on handling principles (flight zones, pressure zones).
 - Watch a demonstration video on handling techniques.
- **TEKS:** 130.4(c)(5)(A)

Tuesday: Livestock Handling Notes

- **Objective:** Understand equipment and facilities for safe handling.
- **Activity:**
 - Discuss chute systems, pens, and restraint devices.
 - Students sketch an ideal handling facility.
- **TEKS:** 130.4(c)(5)(B)

Wednesday: Animal Flight Zones

- **Objective:** Observe livestock behavior and flight zones.
- **Activity:**
 - Simulation activity: Students mimic livestock behavior to understand pressure points and zones.
 - Reflect on the importance of low-stress handling.
- **TEKS:** 130.4(c)(5)(B)

Thursday-Friday: Animal Husbandry

- **Objective:** Explore general care practices for livestock.
- **Activity:**
 - Discuss daily care routines (feeding, grooming, shelter).
 - Students create a care plan for a livestock species.
- **TEKS:** 130.4(c)(5)(C)