

Livestock Production Overview

- **Semester Course: 18 weeks (2 grading periods of 9 weeks each)**
- **TEKS Abbreviations: LP = Livestock Production TEKS**
Example: LP1(A) = TEKS Strand 1, subskill A

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
1	1–2	Unit 1 – SAE/FFA	Plan and document an SAE; recordkeeping; agricultural youth organization leadership; local program of activities; agricultural experience documentation	LP2(A–B) LP3(A–C)	SAE proposal and logbook; FFA leadership participation; community-service documentation
1	3–5	Unit 2 – Relationship with Livestock	Biosecurity and waste management; financial planning; environmental/government regulations; animal welfare; organic standards; grain and commodity markets; production efficiency; operation planning	LP10(A–H)	ACCESS: livestock career connections; production-efficiency data analysis; livestock/poultry operation plan
1	6–7	Unit 3 – Livestock ID/Management	History and domestication; industry impacts; breed selection and conformation; safe handling/restraint; facilities; common management practices; animal identification; modern production technology	LP4(A–C) LP9(A–E)	Breed ID activities; handling-equipment demonstrations; facility-design activity; management-practice case studies
1	8–9	Unit 4 – Livestock A&P	Begin anatomy and physiology; healthy vital signs and behavior; digestive systems; nutrients and feeds; genetics and reproduction concepts	LP5(A–C) LP6(A–G) LP7(A–F)	Anatomy models/diagrams; vital-sign labs; feed and ration activities; genetics practice
2	10–12	Unit 4 – Livestock A&P (continued)	Complete nutrition, ration formulation, forage/grazing, reproductive systems, breeding systems, EPDs, reproductive technologies, Punnett squares, and body-condition scoring	LP5(A–C) LP6(A–G) LP7(A–F)	Ration formulation; forage identification; EPD comparisons; reproductive-technology research
2	13–15	Unit 5 – Pests and Diseases	Causes of livestock/poultry health problems; disease signs, symptoms, and prevention; parasites; treatment and prevention; medication dosage and administration	LP8(A–D)	Disease/parasite identification scenarios; medication dosage calculations; biosecurity review
2	16–17	Unit 6 – Career Opportunities	Career development, education, and entrepreneurship; interpersonal/problem-solving/critical-thinking skills; workplace safety; legal and ethical expectations; citizenship and stewardship; training and certification requirements	LP1(A–F)	ACCESS: career exploration and education pathways; employability scenarios; certification research
2	18	Semester Exam (GP 1–2)	Cumulative review and written/practical semester exam	—	SAE logbook check; skills review; cumulative reflection

TEKS Coverage Checklist

Livestock Production

TEKS Strand	YAG Unit(s)	TEKS Codes	Coverage Description
(1) Employability	6	LP1(A–F)	Career development and entrepreneurship; interpersonal, problem-solving, and critical-thinking skills; workplace safety; legal/ethical expectations; citizenship and stewardship; training, education, and certification requirements
(2) SAE	1	LP2(A–B)	Plan, propose, conduct, document, and evaluate an SAE; apply appropriate recordkeeping skills
(3) Leadership in Youth Orgs	1	LP3(A–C)	Agricultural youth leadership opportunities; local program of activities; documentation of community service, professional, and classroom experiences
(4) History, Domestication & Selection	3	LP4(A–C)	History, domestication, and evolution; impacts of related industries; breed selection by purpose and conformation
(5) Anatomy & Physiology	4	LP5(A–C)	Skeletal, muscular, respiratory, and circulatory systems; healthy vital signs; normal and abnormal behavior
(6) Nutrition	4	LP6(A–G)	Digestive systems; nutrients and feeds; vitamins/minerals/additives; ration formulation; feeding practices; forage plants; grazing practices
(7) Genetics & Reproduction	4	LP7(A–F)	Reproductive systems; breeding systems; EPDs; reproductive technologies; Punnett squares; body-condition scores and reproductive efficiency
(8) Pests & Diseases	5	LP8(A–D)	Health impacts of bacteria, fungi, viruses, genetics, and nutrition; disease prevention; parasites; medication dosage and administration

(9) Management Skills	3	LP9(A–E)	Handling/restraint tools; facilities; industry management practices; ownership identification; technology in modern production
(10) Production Operations	2	LP10(A–H)	Biosecurity, waste management, finance, regulations, animal welfare, organic standards, grain/commodity markets, production efficiency, and livestock/poultry operation planning

Planning note: The source YAG assigns Units 1–4 to the 1st Nine Weeks and Units 5–6 to the 2nd Nine Weeks. Because the source also lists 82 instructional days across the six units, Unit 4 is shown continuing into GP 2 in this week-based format so the semester fits a standard 18-week calendar while preserving the original unit sequence and TEKS groupings.