

Equine Science & Small Animal Management Overview

- Semester: 2 • Total Weeks: 18 (Grading Periods 3–4)
- Course Structure: Equine Science and Small Animal Management are taught together within one semester.
- TEKS Abbreviations: EQ = Equine Science TEKS; SA = Small Animal Management TEKS
Example: EQ4(A) = Equine Science Strand 4, subskill A; SA4(A) = Small Animal Management Strand 4, subskill A

GP	Wks	Course / Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
3	19	Equine Science Unit 1 – SAE/FFA	SAE planning, documentation and recordkeeping; agricultural youth leadership; local program of activities; agricultural experience documentation	EQ2(A–B) EQ3(A–C)	SAE logbook; FFA leadership participation; community-service documentation
3	20–21	Equine Science Unit 2 – Horse Selection/Usage	Equine history and evolution; equine industry uses; breed selection and conformation; anatomy and physiology; healthy vital signs; normal/abnormal behavior	EQ4(A–C) EQ5(A–C)	Breed ID; conformation evaluation; anatomy diagrams/models; vital-sign scenarios
3	22	Equine Science Unit 3 – Equine Industries	Biotechnology issues; animal welfare policy; governmental/environmental regulations; current events affecting the equine industry	EQ9(A–C)	Industry issue research; policy/current-event discussion
3	23–24	Equine Science Unit 4 – Equine Anatomy/Nutrition	Digestive-system comparison; nutrient and feed sources; vitamins, minerals and additives; ration formulation; feeding, grazing and feed-quality practices	EQ6(A–E)	Feed identification; ration formulation; grazing/feeding case studies
3	25	Equine Science Unit 5 – Equipment/Reproduction	Grooming, riding, training, handling and restraint equipment; facilities; breeding and foal care; ownership identification; management strategies; hoof and dental health	EQ8(A–G)	Equipment ID; facility planning; foal-care scenario; health/soundness checklist
3	26	Equine Science Units 6–7 – Pests, Diseases & Career Opportunities	Equine diseases and parasites; medication administration/dosage; career, education and entrepreneurship opportunities; employability, safety, ethics, citizenship and certification requirements	EQ7(A–D) EQ1(A–F)	Disease/parasite scenarios; dosage practice; ACCESS: equine career exploration

4	27	Small Animal Management Unit 1 – SAE/FFA	Continue SAE planning, documentation and recordkeeping; youth leadership; local program participation; agricultural experience documentation	SA2(A–B) SA3(A–C)	SAE update/check; FFA leadership reflection
4	28–29	Small Animal Management Unit 2 – Small Animal Ownership/Uses	History, domestication and purpose; societal influence; economic impact; ownership responsibilities/benefits; service animals; environmental and governmental regulations	SA4(A–F)	Species/ownership research; service-animal applications; ownership responsibility plan
4	30–31	Small Animal Management Unit 3 – Care & Management	Anatomy/physiology and vital signs; behavior; physical characteristics; breeds/types; identification, habitat, housing and equipment; nutrition; health maintenance; handling; grooming; reproduction	SA7(A–C) SA8(A–H)	Breed/species ID; housing design; handling/grooming demonstrations; nutrition and reproduction activities
4	32–33	Small Animal Management Unit 4 – Animal Rights/Welfare	Current animal-rights and welfare issues; important persons, organizations and groups; historical timeline of major animal-welfare legislation	SA6(A–C)	Issue analysis; legislation timeline; structured discussion
4	34–35	Small Animal Management Units 5–6 – Pests, Diseases & Career Opportunities	PPE and safe practices; zoonotic diseases; sanitation; SDS use; careers and employability; training/certification; ownership plan and financial plan	SA5(A–D) SA1(A–F) SA9(A–B)	PPE/SDS activity; sanitation plan; ACCESS: small-animal careers; ownership and financial plan
4	36	Semester Exam (Equine + Small Animal)	Cumulative review and written/practical exam covering both courses; final SAE/skills reflection	EQ1–EQ9 SA1–SA9	SAE logbook check; practical skills review; course reflection

TEKS Coverage Checklist

Equine Science

TEKS Strand	YAG Unit(s)	TEKS Codes	Coverage Description
(1) Employability	7	EQ1(A–F)	Career development, education and entrepreneurship; interpersonal/problem-solving/critical-thinking skills; workplace safety; legal/ethical expectations; citizenship; training and certification
(2) SAE	1	EQ2(A–B)	Plan, propose, conduct, document and evaluate an SAE; recordkeeping
(3) Leadership in Youth Orgs	1	EQ3(A–C)	Youth agricultural leadership, local program of activities and documentation of agricultural experiences
(4) History, Domestication & Selection	2	EQ4(A–C)	Equine history/evolution, industry impacts and breed selection by purpose/conformation
(5) Anatomy & Physiology	2	EQ5(A–C)	Body systems, healthy vital signs and normal/abnormal behavior
(6) Nutrition	4	EQ6(A–E)	Digestive systems, nutrients/feeds, vitamins/minerals/additives, ration formulation and feeding/grazing/feed-quality practices
(7) Diseases & Pests	6	EQ7(A–D)	Health factors, disease prevention, parasites and medication administration/dosage
(8) Equine Management	5	EQ8(A–G)	Equipment, handling/restraint, facilities, breeding/foal care, ownership ID, management strategies, hoof and dental health
(9) Equine Industry Issues	3	EQ9(A–C)	Biotechnology, animal welfare policy, regulations and current events

Small Animal Management

TEKS Strand	YAG Unit(s)	TEKS Codes	Coverage Description
(1) Employability	6	SA1(A–F)	Career development, education and entrepreneurship; interpersonal/problem-solving/critical-thinking skills; workplace safety; legal/ethical expectations; citizenship; training and certification
(2) SAE	1	SA2(A–B)	Plan, propose, conduct, document and evaluate an SAE; recordkeeping
(3) Leadership in Youth Orgs	1	SA3(A–C)	Youth agricultural leadership, local program of activities and documentation of agricultural experiences
(4) Ownership & Uses	2	SA4(A–F)	History/domestication/purpose, societal and economic impact, ownership responsibilities, services to society and regulations
(5) Hazards & Safety	5	SA5(A–D)	PPE and safe practices, zoonotic disease, sanitation and SDS use
(6) Animal Rights/Welfare	4	SA6(A–C)	Current issues, influential persons/organizations/groups and animal-welfare legislation timeline
(7) Anatomy & Physiology	3	SA7(A–C)	Body systems, healthy vital signs and normal/abnormal behavior
(8) Care & Management	3	SA8(A–H)	Physical characteristics, breeds/types, identification/housing/equipment, nutrition, health, handling, grooming and reproduction
(9) Ownership Planning	6	SA9(A–B)	Small-animal ownership plan and financial plan

Pacing note: The source document places Equine Science in GP 3 and Small Animal Management in GP 4. The original unit-day totals exceed the instructional days available in two nine-week grading periods, so this reusable week-based version preserves the source unit sequence and TEKS groupings while combining shorter units where necessary. Week 36 is reserved for the cumulative semester exam, consistent with the district YAG structure.