

Principles of Agriculture Overview

- **Academic Year:** 2025-2026
- **Periods:** 48 min daily
- **Total Weeks:** 36 (4 grading periods of 9 weeks each)
- **TEKS Abbreviations:** AG = [Principles of Agriculture TEKS](#)
Example: AG1(A) = TEKS Strand 1, subskill A

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
1	1 – 2	Unit 1 – Intro to Agriculture & FFA	History, sectors of ag, SAE types, FFA creed and traditions	• AG1(A–D), • G2(A–C)	Leadership journals, FFA Creed recitations
	3 – 5	Unit 2 – Communication & Leadership	Public speaking, team building, parliamentary procedure	• AG3(A–C) • AG8(A–B)	Mock meetings, leadership scenarios
	6 – 9	Unit 3 – Agribusiness Foundations	Recordkeeping, ag finance basics, marketing & career pathways	• AG4(A–C) • AG9(A–C)	Budget builder, job exploration via ACCESS
2	10 – 13	Unit 4 – Environmental & Natural Resources	Soil science, water quality, sustainability, conservation practices	• AG5(A–C)	Resource impact simulations, water quality tests
	14 – 17	Unit 5 – Animal Systems	Livestock breeds, animal nutrition, safety, facility design	• AG6(A–D)	Vet careers spotlight, breed ID activities
	18	Semester Exam (GP 1–2)	Cumulative review and written/practical exam	—	SAE logbook checks, review labs
3	19 – 22	Unit 6 – Plant Systems	Photosynthesis, plant ID, greenhouse management, hydroponics	• AG7(A–D)	Greenhouse logs, seed planting labs
	23 – 27	Unit 7 – Power, Structural & Technical Systems	Shop safety, tool ID, ag mechanics, basic electricity	• AG10(A–C)	Shop safety posters, tool board project
4	28 – 32	Unit 8 – Food Products & Processing	Food safety, production systems, careers in food science	• AG11(A–C)	ACCESS: Ag careers video series, HACCP labs
	33 – 35	Unit 9 – Capstone SAE Project	Final SAE documentation, presentations, skill reflection	• AG12(A–C)	SAE project showcase, ACCESS: Career planners
	36	Semester Exam (GP 3–4)	Comprehensive course exam and final reflection	—	Project evaluations, skills review journals

TEKS Coverage Checklist

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TEKS Strand	YAG Unit(s)	TEKS Codes	Coverage Description
(1) Employability	1, 2, 3, 9	PA1(A–F)	Career exploration, employability skills, safety practices, ethics, leadership
(2) SAE	1, 9	PA2(A–B)	Intro to SAE, documentation, and evaluation
(3) Leadership in Youth Orgs	1, 2, 9	PA3(A–C)	FFA participation, POA, community service documentation
(4) Ag Industry in TX/US	1, 3	PA4(A–B)	Commodity analysis, sectors of ag, marketing pathways
(5) History & Innovation	1, 4	PA5(A–G)	Ag history, impact, tech innovations, global issues
(6) Leadership Development in Ag Ed	1, 2	PA6(A–C)	FFA structure, leadership collaboration, parliamentary skills
(7) Professional Ag Orgs	3, 9	PA7(A–C)	Org roles, public policy, membership impact
(8) Ag Communications	2, 3	PA8(A–C)	Written/oral comms, customer service, marketing impact
(9) Scientific Process	4, 6, 9	PA9(A–D)	Hypothesis testing, data analysis, research presentation
(10) Business Planning	3, 9	PA10(A–B)	Enterprise planning, records analysis, budgeting
(11) Plant & Soil Systems	4, 6	PA11(A–E)	Soil comp, plant anatomy, propagation, PPE
(12) Animal Systems	5	PA12(A–E)	Animal anatomy, breeds, safety, tool use
(13) Food Products	8	PA13(A–E)	Food safety, labeling, processing tools and PPE
(14) Mechanical Systems	7	PA14(A–E)	Tool safety, measurements, engineering design
(15) Environmental/Natural Resources	4	PA15(A–E)	Conservation, water quality, energy and regulations