

CURRICULUM GUIDE
BIOLOGY
First Six Weeks

Unit of Study—Objective 1					
TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
1	The student conducts field and lab investigations using safe, environmentally appropriate, and ethical practices.	(A) demonstrate safe practices during field and lab investigations (B) make wise choices in the use and conservation of resources and the disposal or recycling of materials	Scientific method Hypothesis Experiment Control Independent variable Dependent variable Data Theory	Mildew samples, Microscope, Slides, covers	Handouts and Chapter assessment test
3	The student uses critical thinking and scientific problem solving to make informed decisions	research and describe the history of biology	Biology Organism Organization Reproduction Species Growth Development Environment Stimulus Response Homeostasis Energy Adaptation evolution	Copy paper Map colors Markers book	Foldable on characteristics of living things Chapter assessment test

Unit of Study—Objective 1

TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
2	Student uses scientific methods during field and lab investigations	Organize, analyze, evaluate, make inferences, and predict trends from data	Data technology	book	Chapter test
8, 9, 11, 12, 13	Student knows application of taxonomy and can identify its limitations. Knows the metabolic processes and energy transfers that occur in living organisms. Knows that organisms maintain homeostasis. Knows that interdependence and interactions occur within the ecosystem. Knows the significance of plants in the environment	Analyze relationships among organisms and develop a model of hierarchical classification. Analyze the flow of energy through different trophic levels. Identify how organisms respond to stimuli. Interpret interactions among organisms exhibiting predation, parasitism, commensalism, and mutualism. Evaluate the significance of structural and physiological adaptations to their environment.	ecology, biosphere, abiotic factor, biotic factor, population, community, ecosystem, habitat, niche, symbiosis, commensalism, mutualism, parasitism, autotroph, heterotroph, decomposer, food chain, trophic level, food web, biomass	book foldable on cycles of matter	handout Quiz Chapter test
1,2,3,4, 7, 12,13	Students know that the cells are the basic structures of all living things and have specialized parts that perform specific functions, and that viruses are different from cells and have different properties and functions. I	Identify and describe the role of bacteria in maintaining health. Illustrate the results of natural selection	limiting factor, succession, primary succession, climax community, secondary succession, biome, photic zone, aphotic zone, estuary, plankton, tundra, taiga, desert,	Book Section focus transparency foldable over Biomes	Section handouts Quiz Chapter test
			grassland, temperate/deciduous forest, tropical rain forest		

