

Biology Lesson Plans 17-18K

Teacher: Kristi Coleman, Kim Morgan, Amanda Wakefield, Amanda Jenkins, Cassie Barefield, Kristin Boggs

UNIT 10 OBJECTIVES: TEKS

<p>112.34: Biology</p> <ul style="list-style-type: none"> • 4.B investigate and explain cellular processes, including homeostasis, energy conversions, transport of molecules, and synthesis of new molecules • 4.C compare the structures of viruses to cells, describe viral reproduction, and describe the role of viruses in causing diseases such as human immunodeficiency virus (HIV) and influenza • 5.A describe the stages of the cell cycle, including deoxyribonucleic acid (DNA) replication and mitosis, and the importance of the cell cycle to the growth of organisms • 5.B examine specialized cells, including roots, stems, and leaves of plants; and animal cells such as blood, muscle, and epithelium • 5.D recognize that disruptions of the cell cycle lead to diseases such as cancer • 6.H describe how techniques such as DNA fingerprinting, genetic modifications, and chromosomal analysis are used to study the genomes of organisms • 7.A analyze and evaluate how evidence of common ancestry among groups is provided by the fossil record, biogeography, and homologies, including anatomical, molecular, and developmental • 7.E analyze and evaluate the relationship of natural selection to adaptation and to the development of diversity in and among species • 8.B categorize organisms using a hierarchical classification system based on similarities and differences shared among groups • 8.C compare characteristics of taxonomic groups, including archaea, bacteria, protists, fungi, plants, and animals • 10.A describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals • 9.C identify and investigate the role of enzymes • 10.C analyze the levels of organization in biological systems and relate the levels to each other and to the whole system • 11.A describe the role of internal feedback mechanisms in the maintenance of homeostasis

Unit Calendar: K/H

Monday	Tuesday	Wednesday	Thursday	Friday
Apr 9 Fungi Notes Fungi WS	10 ENG I STAAR	11 Animal notes Milestone chart WS w/ppt review	12 Animal book ws (DG)	13 Begin Animal Comparisons Station Lab
16 DPM (AS)	17 Animal Comparisons Station Lab	18 Review stations Start Animal systems and interaction notes	19 Lab Quiz (DG) Finish System interaction notes	20 Human Systems by Pic Chart Plant vs. Human (DG)
23 Human body systems matching Homeostasis Notes	24 Feedback Mechanism WS (DG)	25 Review	26 Unit 10 Test	27 EOC review - Go over Mock EOC questions and make study plan
30 EOC review (AS)	May 1 EOC review (AS)	2 EOC review (AS)	3 EOC review (AS)	4 EOC review (AS)
7 Biology STAAR	8 Algebra STAAR	9 US History STAAR	10 STAAR make ups	11