

JASPER HIGH SCHOOL

Honors Biology

Pacing Guide

Week	Unit	Priority Standards	Supporting Standards
1	Unit 1 Biology Basics & Scientific Practices	Embedded SEPs; ACOS Biology Overview	Lab safety, measurement, graphing, CER
2	Unit 2 Chemistry of Life & Macromolecules	Biology 4b, 5a	Water properties; carbohydrates, lipids, proteins
3	Unit 3 Cells: Structure & Function	Biology 1	Organelle structure/function; cell diversity
4	Unit 4 Cell Membranes & Homeostasis	Biology 4, 4a	Diffusion, osmosis, active/passive transport
5	Unit 5 Cell Growth & Division	Biology 3, 3a	Cell cycle; DNA replication; differentiation
6	Unit 6 DNA, RNA & Protein Synthesis	Biology 2, 2a	DNA structure; transcription; translation
7	Unit 6 DNA, RNA & Protein Synthesis	Biology 2b, 2c	Gene expression; biotechnology applications
8	Unit 7 Photosynthesis & Cellular Respiration	Biology 5, 5b, 5c	Energy conversion; ATP; reactants/products
9	Unit 8 Ecosystems: Organization & Energy Flow	Biology 6, 7	Ecological hierarchy; food webs; matter cycling
10	Unit 8 Ecosystems: Organization & Energy Flow	Biology 8	Population growth; limiting factors; data analysis
11	Unit 9 Biodiversity, Human Impact & Stability	Biology 9, 9a, 10	Alabama biodiversity; ecosystem resilience
12	Unit 10 Genetics: Inheritance & Variation	Biology 11, 11a	Probability; Punnett squares; pedigrees
13	Unit 10 Genetics: Inheritance & Variation	Biology 11b, 12	Disease risk; meiosis; crossover; variation
14	Unit 11 Evolution: Evidence & Common Ancestry	Biology 13, 13a	Cladograms; phylogenetic trees; viruses
15	Unit 11 Evolution: Evidence & Common Ancestry	Biology 14	Natural/artificial selection; adaptations
16	Unit 11 Ecology: Biogeochemical Cycles, Population Ecology & Succession	Biology 15	Environmental change; speciation; extinction
17	Unit 12 Scientific Inquiry & Course Synthesis	All Biology Standards	Cumulative lab analysis; modeling; CER review
18	Review and Final Proficiency	All Biology Standards	Comprehensive review and final assessment
*This is a tentative schedule and faculty reserve the right to alter this schedule at their discretion based upon the needs of the students.			