



Biology I

K-12 CHPS Pacing Guides	2018 Curriculum Framework	Testing Blueprint	VDOE Website
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Pacing	Standard	Instructional Unit
1st Nine-Weeks		
9 days	Bio.1 a-f	Ch. 1: The Science of Biology Scientific and Engineering Practices
8 days	Bio.2 a-c, Bio.5 a,b	Ch. 2: The Chemistry of Life Chemical and Biochemical Processes Common Mechanisms for Inheritance
5 days	Bio.3 a-e Bio.4 c	Ch. 7: Cell Structure and Function Cells Viruses
5 days	Bio.2 e	Ch. 8: Photosynthesis / Ch. 9 Cellular Respiration Photosynthesis and Respiration
4 days	Bio.4 b	Ch. 10: Cell Growth and Division Reproduction/Replication
5 days	Bio.5 c,d	Genetics – Ch. 11: Introduction to Genetics/Ch. 14: Human Heredity Variety of Traits
2-3 day	Bio.5 e	Ch. 15: Genetic Engineering Synthetic Biology

2nd Nine-Weeks		
7 days	Bio.2 d, Bio.5 a,b	Ch. 12: DNA / Ch. 13: RNA and Protein Synthesis Protein Synthesis DNA
8 days	Bio.4 c-e, Bio.6 a-f, Bio.7 a-d	Evolution – Ch. 16: Darwin's Theory of Evolution, Ch. 17: Evolution of Populations, Ch. 18: Classification, Ch. 19: History of Life Bacteria and Viruses Modern Classification Systems Populations change through time



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7 days	Bio.8 a-d	Ecology – Ch. 3: The Biosphere, Ch. 4: Ecosystems and Communities, Ch. 5: Populations, Ch. 6: Humans in the Biosphere Dynamic Equilibria
1-2 days	Bio.4 c	Plants – Ch. 22: Introduction to Plants, Ch. 23: Plant Structure, Ch. 24: Plant Reproduction and Plant Response (very abbreviated unit) Structures and Functions
2 day	Bio.4 a, e	Ch. 20: Viruses Viruses
5-8 days	Bio.1-Bio.8	SOL Review days