

HS Biology

Alignment of Course Standards to Text

The following information is provided to assist biology teachers as they plan instruction using the adopted instructional materials titled HMH Science Dimensions: Biology.

Semester 1

WCSD Unit Titles	PE's	Unit Number in Text by PE	Unit Number in Text by DCI
Ecosystems	LS2-1	4	4
	LS2-2	4	9
	LS2-6	4	
	LS2-7	10	
	LS2-8	9	
	LS4-6	10	
Matter & Energy:	LS1-5	3	2
	LS1-6	2	3
	LS1-7	3	
	LS2-3	3	
	LS2-4	3	
	LS2-5	3	

Semester 2

WCSD Unit Titles	PE's	Unit Number in Text by PE	Unit Number in Text by DCI
Structure and Function	LS1-1	6	1
	LS1-2	1	6
	LS1-3	1	
Inheritance and Variation of Traits	LS1-4	5	5
	LS3-1	7	7
	LS3-2	7	
	LS3-3	7	
Natural Selection and Evolution	LS4-1	8	8
	LS4-2	8	9
	LS4-3	8	
	LS4-4	9	
	LS4-5	9	

Alignment of units in text per publisher

Unit	Title	PE	DCI
1	Living Systems	LS1-2 LS1-3 ETS1-2 ETS1-3	LS1.A Structure and Function
2	Chemistry in Living Systems	LS1-6	LS1.C Organization for Matter and Energy Flow in Organisms
3	Matter and Energy in Living Systems	LS1-5 LS1-7 LS2-3 LS2-4 LS2-5	LS1.C Organization for Matter and Energy Flow in Organisms LS2.B Cycles of Matter and Energy Flow in Ecosystems
4	Ecosystems: Stability and Change	LS2-1 LS2-2 LS2-6	LS2.A Interdependent Relationships in Ecosystems LS2.C Ecosystem Dynamics, Functioning, and Resilience
5	Cells: Stability and Change	LS1-4	LS1.B Growth and Development of Organisms
6	The Structure & Function of DNA	LS1-1	LS1.A Structure and Function
7	Genetics and Heredity	LS3-1 LS3-2 LS3-3 ETS1-3	LS1.A Structure and Function LS3.B Variation of Traits LS3.A Inheritance of Traits
8	Evidence for Evolution	LS4-1 LS4-2 LS4-3	LS4.A Evidence of Common Ancestry and Diversity LS4.B Natural Selection LS4.C Adaptation
9	Patterns of Evolution	LS4-3 LS4-4 LS4-5 LS3-3 LS2-8	LS3.B Variation of Traits LS4.B Natural Selection LS4.C Adaptation LS2.D Social Interactions and Group Behavior
10	Human Impacts on Biodiversity	LS2-2 LS2-7 LS4-6 ETS1-1 ETS1-2	LS2.C Ecosystem Dynamics, Functioning, and Resilience LS4.D Biodiversity and Humans