

## 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
<b>Ecosystems</b>	LS2-1	4	4
	LS2-2	4	9
	LS2-6	4	
	LS2-7	10	
	LS2-8	9	
	LS4-6	10	
<b>Matter &amp; Energy:</b>	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
<b>Structure and Function</b>	LS1-1	6	1
	LS1-2	1	6
	LS1-3	1	
<b>Inheritance and Variation of Traits</b>	LS1-4	5	5
	LS3-1	7	7
	LS3-2	7	
	LS3-3	7	
<b>Natural Selection and Evolution</b>	LS4-1	8	8
	LS4-2	8	9
	LS4-3	8	
	LS4-4	9	
	LS4-5	9	

Alignment of units in text per publisher

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