



# Earth and Space Units

**ByDesign**

A Journey to Excellence through Science

Correlation to By Design Science and VictoryVR, a virtual reality supplemental resource.

**Kendall Hunt**  
publishing company



Unit	Atmospheric & Oceanic Circulation	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
<b>Exp 1</b>	Field Trip: East Coast Shoreline		C8L2, C9L2			C8L1-2
<b>Exp 2</b>	Interactive Game: Boulder Roll					
<b>Exp 3</b>	Theater 1: How Land Affects Our Weather		C8L3-4			C8L2-5
<b>Exp 4</b>	Theater 2: The Ocean Affects Weather Everywhere		C8L3-4, C91-3, C10L1-2			C8L2-5
<b>Exp 5</b>	Teacher - Wendy: Gorging with Wendy	C7L2-3, C8L1-2		C7L1-3, C8L1-3, C10L3		C10L1-3
<b>TDASS</b>	Gorging with Wendy Assessment					
<b>TEASS1</b>	How Land Affects Our Weather Assessment					
<b>TEASS2</b>	The Ocean Affects Our Weather Everywhere Assessment					
<b>Unit</b>	<b>Human Impact on the Environ.</b>					
<b>Exp 1</b>	Field Trip: "Muir Woods National Monument, CA"	C1L3, C2L1, C3L4, C8L3	C3L4, C8L4, C10L3-4			C2L2-3, C3L1-3, C8L5, C9L1-4
<b>Exp 2</b>	Interactive Game: Banana Breakout					
<b>Exp 3</b>	Theater 1: Career Day	C1L3, C2L1, C3L4, C8L3	C8L3			C8L1-4
<b>Exp 4</b>	Theatre 2: Towns: Dark & Quiet	C8L3				C9L4
<b>Exp 5</b>	Teacher Demo: Weather with Wendy		C8L3			C9L4
<b>Unit</b>	<b>The Sun &amp; Solar System</b>					
<b>Exp 1</b>	Field Trip 1: Journey to Apache Point Observatory	C9L1			C8L3	
<b>Exp 2</b>	Field Trip 2 Traveling Our Solar System					
<b>Exp 3</b>	Theatre 1: Sun, Earth and Moon	C9L2	C8L4		C8L1, C9L1-3	C8L5
<b>Exp 4</b>	Theatre 2: Planets of Our Solar System	C9L2			C8L1	
<b>Exp 5</b>	Teacher Demo: Planets with Wendy Martin	C9L2			C8L1-2	



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Unit	Geologic Changes	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
<b>Exp 1</b>	Field Trip: Tent Rocks, NM	C8L3		C9L1-2		
<b>Exp 2</b>	Interactive: [Racing Game--"Racing for Answers"]					
<b>Exp 3</b>	Movie Theater 1: Surface Changes	C7L1		C8L1-3, C9L1-3		C10L1-2
<b>Exp 4</b>	Movie Theatre 2: Geology and Our Planet	C7L1-4, C8L1-3		C7L2-3, C8L1, C9L3, C10L2-3		C9L1-2, C10L2-3
<b>Exp 5</b>	Teacher Demo: Spelunking with Wendy	C7L3-4, C8L1-2		C7L2, C9L1, C10L3		
<b>TDASS</b>	Teacher Demo: Spelunking with Wendy					
Unit	Forecasting Disaster					
<b>Exp 1</b>	Field Trip 1: Scott County Landfill	C8L4	C10L3-4			C4L1-3, C9L1-3
<b>Exp 2</b>	Interactive: [image matching]					
<b>Exp 3</b>	Movie Theater 1: The Life & Times of John Dalton	C10L1-3	C8L1-4	C11L1-4, C12L1		C8L1-5, C12L1
<b>Exp 4</b>	Theatre 2: Climate Change		C8L1-4, C10L3-4			C9L3-4
<b>Exp 5</b>	Teacher Demo: Blizzards with Wendy					
Unit	Systems of Earth					
<b>Exp 1</b>	Field Trip: Muir Woods National Monument, CA	C1L3, C2L1, C3L4, C8L3	C3L4, C8L4, C10L3-4			C2L2-3, C3L1-3, C8L5, C9L1-4
<b>Exp 2</b>	Interactive: Escape Room					
<b>Exp 3</b>	Theatre 1: Sea & Sky		C8L1-3			C8L1-2
<b>Exp 4</b>	Theatre 2: Where We Live	C3L1-3, C7L1-3	C1L1, C10L3-4	C1L1-3, C8L1-3, C9L1-3		C4L1-3, C9L-3
<b>Exp 5</b>	Teacher Demo: Cleaning Water with Wendy		C8L2, C10L1-4			C9L1, C9L3



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Unit	America's Lakes & Rivers	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
<b>Exp 1</b>	Field Trip 1: Living Lands & Waters		C8L2, C10L1-4	C1L3		C9L1-3
<b>Exp 2</b>	Field Trip 2: Nahant Marsh, IA	C3L1-4, C8L3	C4L1-4	C1L1, C9L3		C4L1-3, C9L1-3
<b>Exp 3</b>	Theatre 1: The Importance of Water		C8L2, C10L3-4			C4L1, C8L2
<b>Exp 4</b>	Theatre 2: Human Impact on Water	C3L5, C8L3	C10L3-4			
<b>Exp 5</b>	Teacher Demo: Water Cycle with Wendy	C8L3	C8L1, C9L2			
<b>Unit</b>	<b>Light &amp; Shadow</b>					
<b>Exp 1</b>	Field Trip: Cape Hatteras Lighthouse				C9L1, C11L1-4	
<b>Exp 2</b>	Interactive: Word Search					
<b>Exp 3</b>	Virtual Comic Book: Brought Together by the Stars					
<b>Exp 4</b>	Theatre 2: Sun, Stars, and Earth	C9L2			C8L1-2, C9L1-3, C10L1-2	
<b>Exp 5</b>	Teacher Demo: Stargazing With Wendy	C9L2-3			C10L1-2	
<b>HS Unit</b>	<b>Space Systems</b>					
<b>Exp 1</b>	Field Trip: Full Solar Eclipse	C9L2			C8L1, C9L1-3	
<b>Exp 2</b>	Interactive: Traveling the Universe (script)					
<b>Exp 3</b>	Story 1: A Star Is Born	C9L3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5
<b>Exp 4</b>	Story 2: The Theory of the Big Bang	C9L3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5
<b>Exp 5</b>	Teacher Demo: Fusing with Wendy	C10L2-3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5