



ByDesign

A Journey to Excellence through Science

Earth and Space Units

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
Exp 1	Field Trip: East Coast Shoreline		C8L2, C9L2			C8L1-2
Exp 2	Interactive Game: Boulder Roll					
Exp 3	Theater 1: How Land Affects Our Weather		C8L3-4			C8L2-5
Exp 4	Theater 2: The Ocean Affects Weather Everywhere		C8L3-4, C91-3, C10L1-2			C8L2-5
Exp 5	Teacher - Wendy: Gorging with Wendy	C7L2-3, C8L1-2		C7L1-3, C8L1-3, C10L3		C10L1-3
TDASS	Gorging with Wendy Assessment					
TEASS1	How Land Affects Our Weather Assessment					
TEASS2	The Ocean Affects Our Weather Everywhere Assessment					
Unit	Human Impact on the Environ.					
Exp 1	Field Trip: "Muir Woods National Monument, CA"	C1L3, C2L1, C3L4, C8L3	C3L4, C8L4, C10L3-4			C2L2-3, C3L1-3, C8L5, C9L1-4
Exp 2	Interactive Game: Banana Breakout					
Exp 3	Theater 1: Career Day	C1L3, C2L1, C3L4, C8L3	C8L3			C8L1-4
Exp 4	Theatre 2: Towns: Dark & Quiet	C8L3				C9L4
Exp 5	Teacher Demo: Weather with Wendy		C8L3			C9L4
Unit	The Sun & Solar System					
Exp 1	Field Trip 1: Journey to Apache Point Observatory	C9L1			C8L3/ STC10	
Exp 2	Field Trip 2 Traveling Our Solar System					
Exp 3	Theatre 1: Sun, Earth and Moon	C9L2	C8L4		C8L1, C9L1-3/ PSC8	C8L5
Exp 4	Theatre 2: Planets of Our Solar System	C9L2			C8L1	
Exp 5	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
Exp 1	Field Trip: Tent Rocks, NM	C8L3		C9L1-2/ PSC9		
Exp 2	Interactive: [Racing Game--"Racing for Answers"]					
Exp 3	Movie Theater 1: Surface Changes	C7L1		C8L1-3, C9L1-3/ CSC9		C10L1-2
Exp 4	Movie Theatre 2: Geology and Our Planet	C7L1-4, C8L1-3		C7L2-3, C8L1, C9L3, C10L2-3/ STC8		C9L1-2, C10L2-3
Exp 5	Teacher Demo: Spelunking with Wendy	C7L3-4, C8L1-2		C7L2, C9L1, C10L3		
TDASS	Teacher Demo: Spelunking with Wendy					
Unit	Forecasting Disaster					
Exp 1	Field Trip 1: Scott County Landfill	C8L4	C10L3-4			C4L1-3, C9L1-3/ CSC9
Exp 2	Interactive: [image matching]					
Exp 3	Movie Theater 1: The Life & Times of John Dalton	C10L1-3	C8L1-4	C11L1-4, C12L1		C8L1-5, C12L1
Exp 4	Theatre 2: Climate Change		C8L1-4, C10L3-4	PSC4/PSC8/PSC9		C9L3-4/ PSC8
Exp 5	Teacher Demo: Blizzards with Wendy					
Unit	Systems of Earth					
Exp 1	Field Trip: Muir Woods National Monument, CA	C1L3, C2L1, C3L4, C8L3/ CSC2	C3L4, C8L4, C10L3-4/ PSC2/PSC4/CSC4			C2L2-3, C3L1-3, C8L5, C9L1-4/ PSC9
Exp 2	Interactive: Escape Room					
Exp 3	Theatre 1: Sea & Sky		C8L1-3/ PSC8/PSC9	PSC9		C8L1-2/ PSC10
Exp 4	Theatre 2: Where We Live	C3L1-3, C7L1-3	C1L1, C10L3-4	C1L1-3, C8L1-3, C9L1-3		C4L1-3, C9L-3
Exp 5	Teacher Demo: Cleaning Water with Wendy		C8L2, C10L1-4/ PSC4/CSC4/CSC10			C9L1, C9L3

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Unit	America's Lakes & Rivers	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Field Trip 1: Living Lands & Waters		C8L2, C10L1-4/ PSC4/CSC4/CSC10	C1L3		C9L1-3
Exp 2	Field Trip 2: Nahant Marsh, IA	C3L1-4, C8L3	C4L1-4/ PSC4/CSC4/CSC10	C1L1, C9L3		C4L1-3, C9L1-3
Exp 3	Theatre 1: The Importance of Water		C8L2, C10L3-4/ PSC4/CSC4/CSC10			C4L1, C8L2
Exp 4	Theatre 2: Human Impact on Water	C3L5, C8L3	C10L3-4/ PSC4/CSC4/CSC10			
Exp 5	Teacher Demo: Water Cycle with Wendy	C8L3	C8L1, C9L2			
Unit	Light & Shadow					
Exp 1	Field Trip: Cape Hatteras Lighthouse				C9L1, C11L1-4	
Exp 2	Interactive: Word Search					
Exp 3	Virtual Comic Book: Brought Together by the Stars					
Exp 4	Theatre 2: Sun, Stars, and Earth	C9L2			C8L1-2, C9L1-3, C10L1-2/ PSC9/PSC10/STC10	
Exp 5	Teacher Demo: Stargazing With Wendy	C9L2-3			C10L1-2	
HS Unit	Space Systems					
Exp 1	Field Trip: Full Solar Eclipse	C9L2/ PSC9			C8L1, C9L1-3	
Exp 2	Interactive: Traveling the Universe (script)					
Exp 3	Story 1: A Star Is Born	C9L3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5
Exp 4	Story 2: The Theory of the Big Bang	C9L3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5
Exp 5	Teacher Demo: Fusing with Wendy	C10L2-3	C11L2, C12L1-2	C12L1-4	C10L1-3, C11L3-4, C14L2-3	C12L1-5

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HS Unit Earth and Space: Space System		Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Field Trip: Full Solar Eclipse	C9L2			C8L1, C9L1, C9L3	
Exp 2	Interactive: Traveling the Universe (script)				C10L1-L3, C11L3, C11L4, C14L2, C14L3	
Exp 3	Teacher Demo - Fusing with Wendy	C10L2, C10L3	C11L2, C12L1, C12L2	C12L1-L4		C12L1-L5
HS Unit Space Systems						
Exp 1	Full Solar Eclipse	C9L2, C9PS			C8L3, C9L1-L3	
Exp 2	Fusing With Wendy				C10L1	C12L5
Exp 3	The Comprehensible Elegance Of Creation	C9L2-L3			C8L1-L3, C9L1-L3, C10L1-L3	C1L1-L2
HS Unit Earth's Systems						
Exp 1	Earth's Interior & Thermal Convection	C7L1-L2, C8ST	C9L1	C8L1-L3, C8ST , C9L3		
Exp 2	Water & Rock: Opposites Attract	C7L3, C8L1	C8L2	C7L2, C9L1, C9CS		
Exp 3	Sustainable Forests With Wendy	C3L1-L4	C4L1-L3, C5PS , C10L3-L4, C10PS	UIEP, C1L1-L3		C3L1, C3L2, C4L1, C4L3

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HS Unit Weather & Climate		Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Iceland's Geographical Impacts	C7L2	C8L4	C8L3		C8L5, C9L4
Exp 2	Tornado Ted		C8L2-L3			C8L1-L4
Exp 3	Biodiversity: Interrelatedness*		C8L4, C4PS , C8PS , C8ST , C10L3-L4			C4L3, C8L5, C9L1-L4
Exp 4	Monitoring Glaciers With Wendy	C7L3	C8L4, C8ST , C10L4	C9L1		C8L3, C9L4
HS Unit Oceanography						
Exp 1	New Orleans Flood Wall	C3L3-L4, C7L2		C9L3		C4L3, C8L4, C9L2-L4
Exp 2	Rocks & A Hard Case	C8L4	C4L1, C4PS , C8L4	C7L2, C8L2-L3, C10L1		C10L2, C12L5
Exp 3	Polluting Peat Pyres Of Indonesia	C3L1, C3L4	C3L1-L4, C4PS , C8L4, C9L3, C9PS , C10L1-L4	C1L2-L3		C3L1, C4L1, C4L3
Exp 4	Coral Reefs With Wendy	C2L1-L2		C10L1-L3		C1L1, C4L1-L4, C9L4, C10L1-L3