



ByDesign

A Journey to Excellence through Science

Life Science Units

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

Kendall Hunt
publishing company



Unit	Biological Evolution	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Field Trip 1: Nags Head Beach	C2L2	C3L1-4			C4L2-3
Exp 2	Interactive Game: Racing For Answers					
Exp 3	Theater 1: Consider the Whale	C2L2	C3L1-4/ PSC1		PSC3	C1L1-3, C4L2-3
Exp 4	Comic: Charles Darwin	C2L1-2	C3L1-4/ PSC1	C1L1-2	PSC3	C1L1-3
Exp 5	Teacher Demo: Snake Charming with Wendy	C2L2	C2L3, C3L1-3		C3L2	C1L1-3, C4L2, C4L4
Unit	Genes & Inheritance					
Exp 1	Field Trip: Cinnamon Ridge Farm, IA			C3L3	C4L1-4/ PSC4/CSC4	C3L3
Exp 2	Interactive Experience: Escape Castle			C2L1-3, C3L1-2	C4L1-4	
Exp 3	Comic: "Rosalind Franklin"	C1L1-2		C2L1-3, C3L1-2	C4L1-4	
Exp 4	Movie Theatre 2: Biological Blueprints	C1L1-3		C2L1-3, C3L1-2	C4L1-4/ PSC4/CSC4	
Exp 5	Teacher Demo: Blood Drive with Wendy	C4L1		C3L1-3, C5L3	C4L1-4	C5L4
Unit	Food as Energy					
Exp 1	Field Trip: 1031 Fitness, IA	C4L3		C5L2-3	C7L1	C6L3-4, C7L1-2
Exp 2	Interactive: Boulder Roll					
Exp 3	Movie Theater 1: Cellular Respiration	C1L1-2		C2L1-4, C3L2-3		C3L1
Exp 4	Movie Theatre 2: Human Digestion	C4L1/ CSC6			C7L1	C7L1-3
Exp 5	Teacher Demo: Feasting with Wendy	C3L1-4	C4L1-3	C1L3	CSC7	C3L1, C4L1

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Unit	Molecules to Organisms	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Field Trip: Therapy Dog Clinic	C6L2		C4L4		
Exp 2	Interactive: [Cell Tour]					
Exp 3	Theater 1: Cell City	C1L1-2,		C4L1, C2L1-4, C3L1-3	C4L1	C3L1
Exp 4	Theatre 2: How We Work	C4L1	C1L1-2	C4L1-5, C5L1-4	C6LL	
Exp 5	Teacher Demo: Forming Organs With Wendy	C4L1	C1L1-2	C4L1-5, C5L1-4	C6LL	
Unit	Reproduction of Organisms					
Exp 1	Field Trip 1: Nahant Marsh Apiary	C2L2, C3L3	C3L1-2, C4L1			C4L1-2
Exp 2	Interactive: Word Search				PSC4/CSC4	
Exp 3	Theater 1: Animal Reproduction		C1L3		PSC4/CSC4	
Exp 4	Theater 2: Plant Reproduction	C1L4/ CSC3	C1L3			
Exp 5	Teacher Demo: Fishing with Wendy	C3L4	C1L3		C3L1	
Unit	Ecosystems					
Exp 1	Field Trip: Quad City Botanical Center, IL	C3L1-4/ CSC1	C4L1-3	CSC4/CSC8		C3L1-3, C4L1-4
Exp 2	Interactive: Boulder Roll					
Exp 3	Theater 1: Energy & Matter	C3L1-4	C4L1-3	CSC4		C3L1-3, C4L1-4
Exp 4	Theatre 2: Endangered Species	C2L1-2, C3L1, C3L3-4	PSC2/PSC4/PSC10			C4L1-4/ PSC9
Exp 5	Teacher Demo: Hydroponic Farming with Wendy	C1L4/ CSC3	STC8/CSC10			C3L1/ CSC9

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HS Unit	Inheritance & Variations of Traits	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Wilridge Farm & Vineyard	C2L2	C3L1-4	C7ST	C4L2-L4	C1L1, C3L2
Exp 2	Cell Division	C1L1	C1L2-L3,	U1I0, C2L1-L4	C4L1	
Exp 3	Mendelian Genetics*			C1L1, C3L1-L2	C4L1-L4, C4PS, C5PS	C5L1
Exp 4	Genetic Testing With Wendy			C3L1-2	C4PS, C4PS , C14I1-L4	
HS Unit	Forensics					
Exp 1	Soda Pop "Murder" Mystery Part I		FMP4-5		FMP2-4, C4L1	
Exp 2	The 13 Donuts		FMP4-5	C1L1, C5L3-L4	FMP2-4,	
Exp 3	Game Of Traits*			C1L1, C3L1-L2,	C4L1-L4	C5L1
Exp 4	Soda Pop "Murder" Mystery Part II			C3L1-L2, C4L1	C4L1-L4	
HS Unit	Matter & Energy in Organisms and Systems					
Exp 1	Photosynthesis Around The States	C1L2-L3, C3L4	C4L2-L3	6CL2, C2L3-L4	C7L1	C2L3-L4, C3L1-L3, C4L4
Exp 2	What A Tangled Food Web	C3L2	C4L2-L3		C1L2, C1L4	C4L1, C9L1
Exp 3	Sugar: The Origin Story	C1L1, C1L4	C4L2	C2L3-L4		C3L1
Exp 4	Fermentation With Wendy		C1L2	C2L4	C1L2, C1L4, C14L1, C14L2	C3L1

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HS Unit	Interdependent Relationships in Ecosystems	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Urbanization	C3L4, C8L3	C10L3-L4	C1L3		C3CS , C4L3, C8CS , C9L1-L3
Exp 2	Maintaining Ecosystem Balance	C3L1-L2, C3L4, C8L3	C4PS , C10L3-L4	C1L3		C4L3, C9L1-L3
Exp 3	Ecological Succession With Wendy	C2L1, C3L4	C3L1-L2, C3L4, C10L3-L4	C1L2	C4L1	C3L2, C4L4
HS Unit	Robotics					
Exp 1	Building A Robot	U1EP, U3EP, U4EP	U1EP, U2EP, U3EP, U4EP, C14PS C6L2-L3,	U1EP, U2EP, U3EP, U4EP	U2EP, U3EP, C10CS, U4EP, C13L1-L3, C14L1-L2	U1EP, U2EP, U3EP, U43P
Exp 2	Helmets Are Cool Kids	C4CS	C13L1-L3		C12L1-L4, C12CS, C14L1-L2	
Exp 3	Biodiversity	C3L1-L2, C3L4, C3CS, C4CS	C4L1-L3, C4PS , C9CS	C1L2-L3		C3CS, C4L1, C4L3, C13PS
Exp 4	Prosthetics with Wendy	C10ST		C5L1-L2, C5ST		
HS Unit	Human Sustainability					
Exp 1	"Green" Materials	C3L4, C8L3	C4PS , C10L4			C4L3, C9L1-L2
Exp 2	Goodness Gracious Great Garbage Gyres	C3L4	C4PS , C10L1-L4			C9L1-L3
Exp 3	Jambo The Whale Shark	C3L4, C8L3	C9L3, C10L1-L4			C4L1, C4L3, C9L1-L4, C11L3
Exp 4	Repurposing With Wendy	C3L4, C8L3	C4PS , C10L1, C10L3-L4	C7L3		C9L1-L2, C11I3

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HS Unit	Animal & Plant Biotechnology	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Exp 1	Agriculture Solutions	C1L4, C11ST		C1L2, C1L3	C4L1-L4	
Exp 2	Save The Bees	C1L4, C3L2, C3L4	C4L3	C3L1	C4L1-L4	C2L3, C2L4, C3L1-L3, C4L3, C4L5
Exp 3	Sustainable Farming & The Super Weed	C2L1, C3L4, C7L3, C8L3	C8L2, C10L3-L4	C1L2, C9L1-L3	C4L1, C4L4	C4L3
Exp 4	Genetic Engineering With Wendy	C1L2		C3L1	C4L1-L4	
HS Unit	Anatomy & Physiology					
Exp 1	Energy Respiration	C1L1-L2, C4L1, C4L3,	C1PS , C1L3, C3L1-L3, C11L1	C4L2-L3, C12L3-L4	C1L2-L3	C7L1, C14L1-L2

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