Na	Object Lessons® Digging Archaeology tional Science Education Standards Correlation: Grades K-4	1
	Fundamental Concepts and Understandings	Digging Archaeology
	Science as Inquiry	
Abilities necessary to do scientific inquiry	Ask a question about objects, organisms, and events in the environment.	Investigation 1, 2, 3, 4, 6,
	Plan and conduct a simple investigation.	Investigation 1, 2, 3, 4
	Employ simple equipment and tools to gather data and extend the senses.	Investigation 1, 2, 3, 4
	Use data to construct reasonable explanation.	Investigation 1, 2, 4, 5, 6
	Communicate investigations and explanations.	Investigation 1, 2, 3, 4, 5, 6
	Physical Science	
Properties of objects and materials	Objects have observable properties that can be measured using tools.	Investigation 2, 4
Position and motion of objects	The position of an object can be described by locating it relative to another object or the background.	Investigation 1, 3, 4
	Life Science	
The characteristics of organisms	Plants require air, water, nutrients, and light; organisms can survive only in environments in which their needs can be met.	Investigation 4
Organisms in their environments	All organisms cause changes in the environment where they live. Some of these changes are detrimental to the organism or other organisms, whereas others are beneficial.	Investigation 2, 4
	Humans depend on their natural and constructed environments.	Investigation 2, 5
Properties of Earth materials	Earth and Space Science Soils have properties of color and texture, capacity to retain water, and ability to support the growth of many kinds of plants, including those in our food supply.	Investigation 3
	Unifying Concepts and Processes	
Systems, order, and organization	A system is an organized group of related objects or components that form a whole.	Investigation 1, 4, 5, 6
Evidence, models, and explanation	Evidence consists of observations and data on which to base scientific explanations.	Investigation 1, 2, 5, 6
	Models are tentative schemes or structures that correspond to real objects, events, or classes of events, that have explanatory power.	Investigation 2, 3, 4, 6, 7
	Scientific explanations incorporate existing scientific knowledge and new evidence from observations, experiments, or models into internally consistent, logical statements.	Investigation 2, 4, 5, 6
Form and function	Form and function are complementary aspects of objects, organisms, and systems in the natural and designed world.	Investigation 5, 6

Object Lessons® Digging Archaeology National Science Education Standards Correlation: Grades 5-8				
	Fundamental Concepts and Understandings	Digging Archaeology		
Science as Inquiry				
Abilities necessary to do scientific inquiry	Identify questions that can be answered through scientific investigation.	Investigation 1, 2, 5		
	Design and conduct a scientific investigation.	Investigation 1, 4		

	Use appropriate tools and techniques to gather, analyze, and interpret data.	Investigation 1, 2, 3, 4, 5
	Develop descriptions, explanations, predictions, and models using evidence.	Investigation 1, 2, 3, 4, 5,
	Think critically and logically to make the relationships between evidence and explanations.	Investigation 1, 2, 3, 4, 5, 6, 7
	Recognize and analyze alternative explanations and predictions.	Investigation 2, 4, 6
	Communicate scientific procedures and explanations.	Investigation 2, 3, 4, 5, 6
	Use mathematics in all aspects of scientific inquiry.	Investigation 1, 2, 3, 4, 5, 7
	Life Science	
Regulation and behavior	All organisms must be able to obtain and use resources, grow, reproduce, and maintain stable internal conditions while living in a constantly changing external environment.	Investigation 4
Populations and ecosystems	Decomposers, primarily bacteria and fungi, are consumers that use waste materials and dead organisms for food.	Investigation 2
	Earth and Space Science	
Structure of the earth system	Constructive forces include crystal deformation, volcanic eruption, and deposition of sediment, while destructive forces include weathering and erosion.	Investigation 2
	Soils are often found in layers with each having a different chemical composition and texture.	Investigation 3
	Unifying Concepts and Processes	
Systems, order, and organization	A system is an organized group of related objects or components that form a whole.	Investigation 1, 4, 5, 6
Evidence, models, and explanation	Evidence consists of observations and data on which to base scientific explanations.	Investigation 1, 2, 4, 5, 6
	Models are tentative schemes or structures that correspond to real objects, events, or classes of events, that have explanatory power.	Investigation 2, 3, 4, 6, 7
	Scientific explanations incorporate existing scientific knowledge and new evidence from observations, experiments, or models into internally consistent, logical statements.	Investigation 2, 4, 5, 6
Form and function	Form and function are complementary aspects of objects, organisms, and systems in the natural and designed world.	Investigation 5, 6