

Virginia AITC Elementary School Lessons: Objectives and SOL Correlations

Lesson Title	SOL	Objectives
Agriculture and Trade in the Old Kingdom of Mali	Social Studies 1.8, 2.8, 2.9, 3.8, 3.9 English 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.11, 2.12, 3.1, 3.2, 3.9, 3.10, 3.11	Experience the trade that took place in the Kingdom of Mali Trade goods to survive in the time of the kingdom
Apple Anatomy	Science 5.1, 5.5	Analyze slides under a microscope
Apple Earth	Science 1.1, 1.8, 3.1, 3.7, 3.9, 3.10, 4.1, 4.9 Social Studies 2.7 English 2.1, 3.1	Identify natural resources as being limited Identify the types of soil suitable for plant growth Identify the effects of humans and weather on land
Apple of My Eye	Science 2.4, 3.8 English 2.1, 2.2, 2.9, 2.11, 2.12, 3.1, 3.6, 3.9	Listen to and respond to a reading by recording facts about apples
Bartering for a Balanced Lunch	Social Studies 1.7, 1.8, 1.9, 2.7, 2.8, 2.9, 3.8, 3.9 English 1.1, 2.1, 3.1	Barter to exchange goods and resources Make economic choices due to scarcity Show interdependency in obtaining goods
Bartering in Jamestown	Social Studies VS.3, VS.4 English 4.1, 4.3, 4.7	Teach students about the settlers' occupations and the use of bartering in Jamestown
Busy Bees	Science 4.4	To identify the steps in pollination and identify the importance of bees to agriculture
Changes in Weather	Science K.1, K.9, 1.1, 1.7, 2.1, 2.6, 2.7 English K.11, K.12, 1.12, 1.13, 2.12 Math K.9, 2.14	Measure and record daily temperature using a thermometer Investigate basic types, changes, and patterns of weather



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Changing Trees	<p>Science K.9, 1.7, 2.4, 2.7, 3.8</p> <p>English K.1, K.3, K.5, K.6, K.8, 1.1, 1.5, 1.8, 2.1, 2.3, 2.7, 3.1, 3.4</p>	Describe, pictorially, the changes a tree undergoes during the seasons
A Chicken Pyramid	<p>English K.1, K.8, 1.1, 1.5, 1.6, 1.7, 1.8, 1.10, 1.11, 1.12, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8</p>	Listen and respond to a story that is read in order to point out the sequence of the story and main story elements
Classify and Create a Tree	<p>Science K.1, K.7, 1.1, 1.4, 2.1, 3.1, 4.4</p>	<p>Use observations to classify types of trees</p> <p>Identify basic properties, structure, attributes of trees</p> <p>Create a pinecone tree decoration</p>
Classifying Living Things	<p>Science 2.5, 3.4, 3.5, 4.5, 5.5</p> <p>English 2.1, 2.2, 3.1, 4.1, 5.1</p>	<p>Sorting living things based on similar characteristics</p> <p>Sort living things into kingdoms</p>
Compost Lab	<p>Science 3.1, 3.7, 4.1, 4.4</p>	<p>Explore how organic material decomposes and becomes part of the soil</p> <p>Create 2 sets of composting bottles</p>
Cotton Cycle Model	<p>Science K7, K.9, 1.4, 2.4, 2.8, 3.8, 4.4, 4.9</p>	<p>Investigate the life cycle of plants and change over time</p> <p>Investigate plant parts and life needs</p> <p>Identify plants as natural resources</p>
Counting Kernels	<p>Math K.4, K.13, K.14, K.15, K.16, 1.1, 1.14, 1.15, 1.16, 2.19, 2.20, 3.17, 4.14, 5.15, 5.16</p>	Discover the number of corn kernels on an ear of corn
Creative Veggies	<p>Science K.1, K.7, K.9, 1.1, 1.4, 2.1, 2.4, 2.8, 3.8, 4.4</p> <p>English K.1, K.2, 1.1, 1.2, 2.1, 2.2, 3.1</p>	<p>Investigate and understand that plants have functional parts</p> <p>Listen and respond to a variety of books</p>



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	Health K.1, 1.2, 2.2, 3.1	
Dirt Pudding	Science 3.1, 3.7	Model the major components and layers of soil using pudding
Farmer Ben's Farmhand	Math (all grades)	Recognize and extend a pattern, recognize numerals 0-100, solve addition/subtraction problems, recognize place values, recognize odd and even numbers, identify place value
Food Chain Game	Science 1.5, 2.5, 3.4, 3.5, 4.5, 5.5 English 1.1, 1.2, 2.1, 2.2, 3.1, 4.1	Understand transfer of energy through a food chain from the sun to top predator Learn terms used to describe different links in the food chain
Fraction of an Apple	Math K.5, 1.3, 2.3, 3.3 English K.1, 1.1, 2.1, 3.1	Name and write the fractions represented by a given model
Fun with Pigs	Science K.6, 1.1, 1.5 Math K.6, 1.5, 2.5 English K.1, K.2, K.5, K.8, K.11, K.12, 1.1, 1.2, 1.3, 1.5, 1.8, 1.12, 1.13	Investigate the life needs of animals Recall basic addition and subtraction facts
Garden in a Glove	Science K.1, K.7, K.9, 1.1, 1.4, 2.1, 2.4, 2.8, 3.1, 3.8, 4.1, 4.4	Investigate the germination of seeds Investigate plant needs
Grainy Graphing	Math 1.14, 1.15, 1.16, 2.17, 2.19, 3.17, 4.14 Science 1.1, 1.8, 4.1, 4.9	Collect, organize and display data in a bar graph Analyze and interpret data from table and bar graph Review Virginia crops as natural resources
The Grapes Grow Sweet	Science K.7, 1.4, 1.6, 1.7, 2.4, 2.5, 3.8, 4.4	Listen to and respond to a story in order to extend their vocabulary Sort vocabulary into parts of speech and research definitions for unknown words
	English 1.1, 1.2, 1.3, 1.7, 1.8,	Use descriptive words to create



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Groundhog's Feast	1.13, 2.1, 2.2, 2.3, 2.6, 2.7, 2.12, 3.1, 3.4, 3.9, 4.1, 4.7, 5.1, 5.7	an invitation to Groundhog's Thanksgiving dinner
Grow Cards	Science K.1, K.7, K.9, K.11, 1.1, 1.4, 1.8, 2.1, 2.4, 2.8	Make recycled paper containing seeds to plant Investigate how materials can be reused and recycled
A Handy Measure	Math K.10, 1.9, 2.11	Use nonstandard units as well as a ruler/yardstick to measure weight
Have Fun with Wheat	Math 2.11, 3.9, 4.6, 4.8 English 2.1, 2.2, 2.3, 3.1, 4.1, 4.9, 5.1, 5.9 Social Studies 2.2, 2.3, VS.2	Describe where wheat is grown in Virginia Identify the steps in the growing process of wheat Review the history of wheat and how the process has changed
Here's the Scoop on how to Make your own Ice Cream	Math K.3, 2.11, 3.9, 4.6, 4.8 Science K.1, 1.1, 2.1, 3.1, 4.1	Sequence and summarize information while studying the logistics of getting milk from the farm to the table
Hysterical Hogs	English K.1, K.8, 1.1, 1.11, 1.12, 2.1, 2.7, 2.8, 3.4, 3.5, 3.6, 3.7, 3.8, 4.4, 4.5, 5.4, 5.5, 5.6	Listen to or read and respond to a story that is read in order to discuss character actions and emotions, and sequence story elements, including beginning, middle, and end
Impact of the Cotton Gin	Social Studies USI.8 English 5.7, 5.8, 5.9	Describe the impact of the cotton gin, create a chart to compare and contrast information, write a one-page on the invention of the cotton gin and its impact on the southern economy
Interdisciplinary Web	Social Studies 1.7, 3.8	Investigate specialization and interdependency in the production of goods and services Model interdependency by forming a web
Kingdoms on the Farm	Science 5.5 Math 4.14, 5.15	Classify pictures of organisms into correct kingdom based on characteristics



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Leaves of Fall	<p>Science K.1, K.2, K.4</p> <p>English K.1, K.2, K.3</p>	<p>Identify basic colors</p> <p>Compare objects using relative size (big/little)</p> <p>Describe an object using color, shape, and texture</p>
Life of a Powhatan Indian	<p>Social Studies 1.1, 2.3, 2.4</p> <p>English 1.1, 1.2, 1.13, 2.1, 2.2, 2.12</p>	<p>Locate the region of the Powhatan on a map</p> <p>Describe how the Powhatan Indians adapt to their environment</p>
Make Corn Fritters and Dragonflies	<p>Science K.6, K.7, 1.4, 1.5, 1.8, 2.4, 2.5, 3.4, 3.5, 4.4, 4.5</p> <p>Social Studies K.2, K.6, 1.1, 1.7, 2.2, 2.4, VS.2</p> <p>English K.5, K.8, 1.5, 1.8, 2.7, 3.4, 4.4</p>	<p>Participate in the making of corn fritters and discuss how they are made</p> <p>Listen to and respond to a story to discuss the life cycle of animals and plants</p> <p>Create dragonflies to discuss the importance of the dragonfly in the story</p>
Meet Alex from Ancient Greece	<p>Social Studies 3.4, 3.6</p> <p>English 3.1, 3.3, 3.4, 3.5, 3.7, 3.9</p>	<p>Locate Greece on a map</p> <p>Explain how the people of Greece adapted to their environment to meet their needs</p> <p>Interpret geographic information from maps</p> <p>Compare and contrast agriculture in Greece to that in Virginia</p>
The Peanut Wizard	<p>Social Studies 1.2, 2.12</p> <p>English 1.1, 1.2, 1.3, 1.12, 1.13</p>	<p>Describe the contributions of George Washington Carver</p>
Peanut Lesson	<p>Science K.7, 1.4, 2.8, 3.8, 4.4</p> <p>English 3.8, 4.3, 5.4</p>	<p>Solve the peanut puzzle, correctly define selected vocabulary, use vocabulary in</p>



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	Social Studies 4.3 Math 3.9	sentences, name peanut plant parts, name products both food and non-food oriented, identify peanut producing states and summarize the history of peanuts
Photosynthesis Game	Science K.7, k.9, 1.4, 1.8, 2.8, 3.8, 4.4	Identify and describe the photosynthesis process and discuss plant life cycle
Pollination Pizzazz	Science 4.4	Identify the role of bees in germination
Pumpkin Pudding Pie	Science K.1, K.7, 1.1, 1.4, 2.1, 2.8, 4.1, 4.4 Math 1.10, 2.11, 3.9, 4.8	Identify pumpkins as agricultural products Measure liquid volume with the appropriate tools in a cooking lesson
Rockin' Rocks	Science 5.1, 5.7 English 5.1 Math 5.8, 5.10	Participate in an experiment representing the rock cycle Draw and label a diagram of the rock cycle
Seasons on the Farm	Science K.7, K.9, 1.7, 2.7, 3.8 English K.1, K.2, K.3, K.6, K.11, 1.1, 1.2, 1.5, 1.9, 2.2, 2.7, 2.8, 3.1, 3.5	Create a mobile illustrating the seasons on a farm
Settling the Shenandoah	Social Studies VS.4	Identify the cultural influences of the German and Scots-Irish settlers on the landscape of the Shenandoah Valley and create a home or barn in the architectural style used by the German or Scots-Irish
Share the Shaking-Butter Making	Social Studies K.2, 1.1, 2.3 Science K.1, K.2, K.4, 1.1, 1.3, 2.1, 2.3, 3.1, 3.3	Compare events and activities in the past and present Make butter using methods from the past
Shopping for a Balanced Lunch	Health 1.2, 2.2	Categorize foods by food group and identify the components of a healthy meal
	Science 4.1, 4.4, 4.8	Take turns reading sections from <i>Why the Brown bean was</i>



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Soybean Discovery	English 4.1, 4.3, 4.5	<i>Blue</i> by Susan Pankey, actively listen while other students are reading, and answer questions from the reading
Sprouting Spuds	Science K.1, K.7, 1.1, 1.4, 2.4 2.8, 3.1, 3.8, 4.1, 4.4	Observe and record the sprouting and root growth of a potato
Then and Now	Science 3.10, 4.5, 5.7 English 3.6, 4.5, 5.7	Create an illustrated timeline to demonstrate the changing characteristics of the Western range
The Trading Game	Social Studies K.7, 1.8, 2.8, 2.9, 3.8, 3.9 English 1.1, 2.1, 3.1	Barter to get desired goods Model and understand the concepts of scarcity, specialization, and interdependence Make economic choices
Virginia Products BINGO	Science 4.9 Social Studies VS.10	Identify products grown in Virginia Match the description of a Virginia product to its picture
Weighing Apples	Math 3.9, 4.6, 5.8 Science 3.1, 4.1, 5.1	Make observations, create inferences and draw conclusions about apples Observe and find the weight of apple slices before and after drying
What Horses Eat	Math 2.11, 3.9, 4.7, 5.8	Listen to a book about farming during the 1930s and understand the importance of good nutrition for farm animals
Why is an Herb an Herb?	English K.2, 1.2, 1.12, 2.2, 2.12, 3.7, 3.9, 3.10, 4.6, 4.7, 5.1, 5.3 Math K.13, K.14, K.15, 1.14, 1.16, 2.17, 2.19, 3.9, 3.17, 4.8, 4.14, 5.8 Science K.1, K.2, K.7, 1.1, 1.4, 1.7, 2.1, 2.4, 2.8, 3.1, 3.8, 4.1,	Investigate various herbs and make observations Organize plants based on similar attributes Plant a mint herb and record observations in a journal



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	4.4 Social Studies 2.3, VS.1, VS.3, VS.4, USI.3	
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