Soil Sort

Grades K-2 (grade change)

Standards at a Glance	
Next Generation Sunshine State Standards for Science	SC.1.L.14.1, SC.1.L.14.3, SC.K.N.1.1, SC.K.N.1.2, SC.K.N.1.3, SC.K.N.1.4, SC.K.N.1.5, SC.1.N.1.1, SC.2.N.1.1, SC.1.N.1.2, SC.1.N.1.3, SC.1.N.1.4, SC.2.N.1.2, SC.2.N.1.3, SC.K.P.8.1, SC.1.P.8.1, SC.1.E.5.3, SC.1.E.6.1, SC.2.E.6.1, SC.2.E.6.2, SC.2.E.6.3
Computer Science – Florida Standards for Science	SC.K2.CS-CC.1.4, SC.35.CS-CC.1.1, SC.K2.CS-CP.1.2, SC.K2.CS-CP.1.3, SC.K2.CS-CP.1.4, SC.35.CS-CP.1.3, SC.35.CS-CS.2.3, SC.35.CS-CS.2.4
English Language Arts –Florida's B.E.S.T. Standards	ELA.K.C.1.3, ELA.K.C.2.1, ELA.1.C.1.3, ELA.1.C.2.1, ELA.2.C.1.3 ELA.2.C.2.1, ELA.2.C.4.1
Mathematics – Florida's B.E.S.T. Standards	MA.K.M.1.1, MA.K.M.1.2, MA.K.DP.1.1
Next Generation Sunshine State Standards – Social Studies	N/A

Standards Highlighted	
Next Generation Sunshine State Standards for Science	
Life Science	
SC.1.L.14.1	Make observations of living things and their environment using the five senses.
SC.1.L.14.3	Differentiate between living and nonliving things.
Nature of Science	
SC.K.N.1.1	Collaborate with a partner to collect information.
SC.K.N.1.2	Make observations of the natural world and know that they are descriptors collected using the five senses.
SC.K.N.1.3	Keep records as appropriate -- such as pictorial records -- of investigations conducted.
SC.K.N.1.4	Observe and create a visual representation of an object which includes its major features.
SC.K.N.1.5	Recognize that learning can come from careful observation.

SC.1.N.1.1, SC.2.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.
SC.1.N.1.2	Using the five senses as tools, make careful observations, describe objects in terms of number, shape, texture, size, weight, color, and motion, and compare their observations with others.
SC.1.N.1.3	Keep records as appropriate - such as pictorial and written records - of investigations conducted.
SC.1.N.1.4	Ask "how do you know?" in appropriate situations.
SC.2.N.1.2	Compare the observations made by different groups using the same tools.
SC.2.N.1.3	Ask "how do you know?" in appropriate situations and attempt reasonable answers when asked the same question by others.
Physical Science	
SC.K.P.8.1	Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light) and texture.
SC.1.P.8.1	Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light), texture, and whether objects sink or float.
Earth Science	
SC.1.E.5.3	Investigate how magnifiers make things appear bigger and help people see things they could not see without them.
SC.1.E.6.1	Recognize that water, rocks, soil, and living organisms are found on Earth's surface.
SC.2.E.6.1	Recognize that Earth is made up of rocks. Rocks come in many sizes and shapes.
SC.2.E.6.2	Describe how small pieces of rock and dead plant and animal parts can be the basis of soil and explain the process by which soil is formed.
SC.2.E.6.3	Classify soil types based on color, texture (size of particles), the ability to retain water, and the ability to support the growth of plants.
Computer Science	
Communication and Collaboration	
SC.K2.CS-CC.1.4	Provide and accept constructive criticism on a collaborative project.
SC.35.CS-CC.1.1	Identify technology tools for individual and collaborative data collection, writing, communication, and publishing activities.
Computer Practices and Programing	
SC.K2.CS-CP.1.2	Collect and manipulate data using a variety of computing methods (e.g., sorting, totaling, and averaging).
SC.K2.CS-CP.1.3	Propose a solution to a problem or question based on an analysis of the data and critical thinking, individually and collaboratively.
SC.K2.CS-CP.1.4	Create data visualizations (e.g., charts and infographics), individually and collaboratively.
SC.35.CS-CP.1.3	Identify, research, and collect a data set on a topic, issue, problem, or question using age-appropriate technologies.
Communication Systems and Computing	

SC.35.CS-CS.2.3	Explain the process of arranging or sorting information into useful order as well as the purpose for doing so.
SC.35.CS-CS.2.4	Solve real-world problems in science and engineering using computational thinking skills.
English Language Arts –Florida's B.E.S.T. Standards	
Communication	
ELA.K.C.1.3	Using a combination of drawing, dictating, and/or writing, express opinions about a topic or text with at least one supporting reason.
ELA.K.C.2.1	Present information orally using complete sentences.
ELA.1.C.1.3	Write opinions about a topic or text with at least one supporting reason from a source and a sense of closure.
ELA.1.C.2.1	Present information orally using complete sentences and appropriate volume.
ELA.2.C.1.3	Write opinion about a topic or text with reasons supported by details from a source, use transitions, and provide a conclusion.
ELA.2.C.2.1	Present information orally using complete sentences, appropriate volume, and clear pronunciation.
ELA.2.C.4.1	Use one or more multimedia elements(s) to enhance oral or written tasks.
Mathematics – Florida's B.E.S.T. Standards	
Measurement	
MA.K.M.1.1	Identify the attributes of a single object that can be measured such as length, volume or weight.
MA.K.M.1.2	Directly compare two objects that have an attribute which can be measured in common. Express the comparison using language to describe the difference.
Data Analysis and Probability	
MA.K.DP.1.1	Collect and sort objects into categories and compare the categories by counting the objects in each category. Report the results verbally, with a written numeral or with drawings.