

Kindergarten Science Content Standards and Objectives

Standard 1:	Nature of Science	
SC.S.K.1	Students will <ul style="list-style-type: none"> • demonstrate an understanding of the history and nature of science as a human endeavor encompassing the contributions of diverse cultures, scientists, and careers. • demonstrate the abilities and understanding necessary to do scientific inquiry. demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.	
Objectives	Students will	PLT Activity and Page
SC.O.K.1.01	ask questions about themselves and their world.	#1 The Shape of Things p. 17 #2 Get in Touch with Trees p. 20 #3 Peppermint Beetle p. 23 #4 Sounds Around p. 26 #18 Tale of the Sun p. 86 #20 Environmental Exchange Box p. 92 #21 Adopt A Tree p. 97 #22 Trees as Habitats p.102 #27 Every Tree for Itself p.117 #36 Pollution Search p.153 #39 Energy Sleuths p.167 #43 Have Seeds, Will Travel p.185 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #70 Soil Stories p.297
SC.O.K.1.02	listen to and discuss stories about the lives and discoveries of scientists.	

<p>SC.O.K.1.03</p>	<p>demonstrate curiosity, initiative and creativity by asking questions about the environment noting patterns and variations of natural objects (e.g., trees, leaves, or animal structures).</p>	<p>#1 The Shape of Things p. 17 #2 Get in Touch with Trees p. 20 #3 Peppermint Beetle p. 23 #4 Sounds Around p. 26 #6 Picture This! p. 34 #20 Environmental Exchange Box p. 92 #21 Adopt A Tree p. 97 #22 Trees as Habitats p.102 #27 Every Tree for Itself p.117 #41 How Plants Grow p.179 #43 Have Seeds, Will Travel p.185 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #61 The Closer You Look p.263 #62 To Be a Tree p.269 #64 Looking at Leaves p.273 #65 Bursting Buds p.277 #70 Soil Stories p.297 #78 Signs of Fall p.337 #79 Tree Lifecycle p.341</p>
<p>SC.O.K.1.04</p>	<p>explore and describe objects and events using the five senses to develop observational skills and make predictions based on personal observation.</p>	<p>#2 Get in Touch with Trees p. 20 #3 Peppermint Beetle p. 23 #4 Sounds Around p. 26 #20 Environmental Exchange Box p. 92 #21 Adopt A Tree p. 97 #27 Every Tree for Itself p.117 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #61 The Closer You Look p.263 #62 To Be a Tree p.269 #63 Tree Factory p.269 #64 Looking at Leaves p.273 #78 Signs of Fall p.337</p>

SC.O.K.1.05	use scientific instruments and everyday materials to investigate the natural world (e.g., hand lens, balance, or magnets).	#22 Trees as Habitats p.102 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #64 Looking at Leaves p.273 #70 Soil Stories p.297 #87 Earth Manners p.378
SC.O.K.1.06	use safe and proper techniques for handling, manipulating and caring for science materials (e.g., follow safety rules, maintain a clean work area, or treat living organisms humanely).	#21 Adopt a Tree p. 97 #22 Trees as Habitats p.102 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #61 The Closer You Look p.263 #65 Bursting Buds p.277 #70 Soil Stories p.297
SC.O.K.1.07	collect and record information in a variety of ways (e.g., drawings, weather calendar, or graphs).	#1 The Shape of Things p. 17 #21 Adopt A Tree p. 97 #22 Trees as Habitats p.102 #27 Every Tree for Itself p.117 #36 Pollution Search p.153 #46 Schoolyard Safari p.197 #47 Are Vacant Lots Vacant? p.200 #53 On the Move p.232 #61 The Closer You Look p.263 #62 To Be a Tree p.269
Standard 2:	Content of Science	
SC.S.K.2	Students will <ul style="list-style-type: none"> demonstrate knowledge, understanding and applications of scientific facts, concepts, principles, theories and models as delineated in the objectives. demonstrate an understanding of the interrelationships among physics, chemistry, biology and the earth and space sciences. apply knowledge, understanding and skills of science subject matter/concepts to daily life experiences.	
Objectives	Students will	PLT Activity and Page

SC.O.K.2.01	using the five senses, identify living and non-living things.	#1 The Shape of Things p. 17 #3 Peppermint Beetle p. 23 #4 Sounds Around p. 26 #21 Adopt A Tree p. 97 #22 Trees as Habitats p.102 #62 To Be a Tree p.269 #63 Tree Factory p.269
SC.O.K.2.02	observe and describe the movement, growth and changes in plants and animals.	#21 Adopt A Tree p. 97 #27 Every Tree for Itself p.117 #41 How Plants Grow p.179 #43 Have Seeds, Will Travel p.185 #63 Tree Factory p.269 #65 Bursting Buds p.277 #78 Signs of Fall p.337
SC.O.K.2.03	observe and describe models of plants and animals in different environments (e.g., terrariums, aquariums, animals and plants in a forest, pond, or field).	#1 The Shape of Things p. 17 #20 Environmental Exchange Box p. 92 #41 How Plants Grow p.179
SC.O.K.2.04	describe, compare, sort and group objects in terms of what they are made of (e.g., clay, cloth, paper, or metal) and their physical properties of size, shape, color, weight or texture.	#1 The Shape of Things p. 17 #2 Get in Touch with Trees p. 20 #6 Picture This! p. 34 #13 We All Need Trees p. 65 #61 The Closer You Look p.263
SC.O.K.2.05	identify liquids and solids.	
SC.O.K.2.06	identify colors.	#6 Picture This! p. 34 #61 The Closer You Look p.263 #78 Signs of Fall p.337
SC.O.K.2.07	explore and describe changes in energy (e.g., hot/cold or light/dark).	
SC.O.K.2.08	explore and discuss magnetic properties of objects.	

SC.O.K.2.09	explore and state different ways objects can be moved (e.g., straight, circular, fast, or slow).	
SC.O.K.2.10	observe and record daily changes in weather (e.g., clouds or air temperature).	
SC.O.K.2.11	identify objects in the day and night sky (e.g., moon, stars, or sun).	
SC.O.K.2.12	observe and compare differences in earth materials.	#3 Peppermint Beetle p. 23 #20 Environmental Exchange Box p. 92 #43 Have Seeds, Will Travel p.185 #61 The Closer You Look p.263 #62 To Be a Tree p.269 #78 Signs of Fall p.337
Standard 3:	Application of Science	
SC.S.K.3	Students will <ul style="list-style-type: none"> recognize models as representations of real things. observe that changes occur gradually, repetitively, or randomly within the environment. listen and be tolerant of different viewpoints while working in collaborative groups. observe and identify the use of tools and appliances in everyday life.	
Objectives	Students will	PLT Activity and Page
SC.O.K.3.01	recognize that models are representations of real things.	#27 Every Tree for Itself p.117 #62 To Be a Tree p.269 #63 Tree Factory p.269 #81 Living with Fire p.350
SC.O.K.3.02	observe and point out that change occurs gradually, repetitively, or randomly within the environment.	#21 Adopt A Tree p. 97 #43 Have Seeds, Will Travel p.185 #78 Signs of Fall p.337
SC.O.K.3.03	observe and identify the uses of tools and appliances at home and at play.	
SC.O.K.3.04	work in groups, listen to and be tolerant of different viewpoints.	#18 Tale of the Sun p. 86 #53 On the Move p.232 #67 How Big is Your Tree? p.284

