

KINDERGARTEN

Scientific Inquiry

Standard K-1: The student will demonstrate an understanding of scientific inquiry, including the processes, skills, and mathematical thinking necessary to conduct a simple scientific investigation.

Indicators

PLT Activities

K-1.1	Identify observed objects or events by using the senses.	<ul style="list-style-type: none"> ● 1 The Shape of Things ● 2 Get In Touch with Trees ● 3 Peppermint Beetle ● 4a Sounds Around ● 6a Picture This! ● 13a We All Need Trees <input type="checkbox"/> 20 Environmental Exchange Box ● 21a Adopt A Tree ● 25 Birds and Worms ● 36v Pollution Search ● 39a Energy Sleuths ● 41v How Plants Grow 	<ul style="list-style-type: none"> ● 43 Have Seeds, Will Travel ● 46 Schoolyard Safari ● 47 Are Vacant Lots Vacant? ● 54a I'd Like to Visit a Place Where..... ● 61 The Closer You Look <input type="checkbox"/> 62 To Be a Tree ● 63v Tree Factory ● 64 Looking at Leaves ● 65 Bursting Buds ● 67v How Big is Your Tree? ● 70a Soil Stories ● 78a Signs of Fall ● 87 Earth Manners
K-1.2	Use tools (including magnifiers and eyedroppers) safely, accurately, and appropriately when gathering specific data.	<ul style="list-style-type: none"> <input type="checkbox"/> 6a Picture This! ● 22a Trees As Habitats <input type="checkbox"/> 36v Pollution Search ● 41v How Plants Grow ● 43 Have Seeds will Travel <input type="checkbox"/> 46 Schoolyard Safari ● 47 Are Vacant Lots Vacant? 	<ul style="list-style-type: none"> ● 64 Looking at Leaves ● 65 Bursting Buds ● 67v How Big is Your Tree? ● 70 Soil Stories
K-1.3	Predict and explain information or events based on observation or previous experience.	<ul style="list-style-type: none"> ● 1 The Shape of Things ● 2 Get In Touch with Trees ● 3 Peppermint Beetle <input type="checkbox"/> 4a Sounds Around <input type="checkbox"/> 6a Picture This! ● 13a We All Need Trees <input type="checkbox"/> 16a Pass the Plants, Please <input type="checkbox"/> 18 Tale of the Sun <input type="checkbox"/> 20 Environmental 	<ul style="list-style-type: none"> <input type="checkbox"/> 49v Tropical Treehouse ● 53v On the Move ● 54a I'd Like to Visit a Place Where..... ● 61 The Closer You Look <input type="checkbox"/> 62 To Be a Tree ● 63v Tree Factory ● 64 Looking at Leaves ● 65 Bursting Buds ● 67v How Big is Your Tree? ● 70a Soil Stories ● 78a Signs of Fall

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		<ul style="list-style-type: none"> Exchange Box ● 21a Adopt A Tree ● 22a Trees As Habitats ● 25 Birds and Worms ● 27 Every Tree for Itself ● 36bv Pollution Search ● 39a Energy Sleuths ● 41v How Plants Grow ● 43 Have Seeds will Travel ● 46 Schoolyard Safari ● 47 Are Vacant Lots Vacant? 	<ul style="list-style-type: none"> ● 79v Tree Lifecycle ● 81c Living with Fire ● 87 Earth Manners
K-1.4	Compare objects by using nonstandard units of measurement.	<ul style="list-style-type: none"> <input type="checkbox"/> 1 The Shape of Things <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 21a Adopt A Tree <input type="checkbox"/> 22a Trees As Habitats ● 25 Birds and Worms <input type="checkbox"/> 27 Every Tree for Itself ● 41v How Plants Grow ● 43 Have Seeds will Travel 	<ul style="list-style-type: none"> ● 46 Schoolyard Safari ● 64 Looking at Leaves ● 65 Bursting Buds ● 67v How Big is Your Tree? ● 70a Soil Stories
K-1.5	Use appropriate safety procedures when conducting investigations.	<ul style="list-style-type: none"> <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 16a Pass The Plants, Please <input type="checkbox"/> 22a Trees As Habitats ● 27 Every Tree for Itself ● 36v Pollution Search ● 41v How Plants Grow ● 43 Have Seeds will Travel ● 46 Schoolyard Safari 	<ul style="list-style-type: none"> ● 47 Are Vacant Lots Vacant? ● 64 Looking at Leaves <input type="checkbox"/> 65 Bursting Buds <input type="checkbox"/> 67v How Big is Your Tree? ● 70a Soil Stories <input type="checkbox"/> 81c Living with Fire ● 87+

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Characteristics of Organisms

Standard K-2: The student will demonstrate an understanding of the characteristics of organisms. (Life Science)

Indicators

PLT Activities

<p>K-2.1 Recognize what organisms need to stay alive (including air, water, food, and shelter).</p>	<ul style="list-style-type: none"> <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 3 Peppermint Beetle <input type="checkbox"/> 6a Picture This! <input type="checkbox"/> 20 Environmental Exchange Box <ul style="list-style-type: none"> ● 21a Adopt A Tree ● 22a Trees As Habitats ● 27 Every Tree for Itself ● 41v How Plants Grow <input type="checkbox"/> 43 Have Seeds will Travel ● 46 Schoolyard Safari 	<ul style="list-style-type: none"> <input type="checkbox"/> 47 Are Vacant Lots Vacant? <input type="checkbox"/> 61 The Closer You Look <ul style="list-style-type: none"> ● 62 To Be a Tree ● 63v Tree Factory <input type="checkbox"/> 64 Looking at Leaves <input type="checkbox"/> 65 Bursting Buds <ul style="list-style-type: none"> ● 70a Soil Stories <input type="checkbox"/> 78a Signs of Fall <input type="checkbox"/> 79v* <input type="checkbox"/> 81c Living with Fire
<p>K-2.2 Identify examples of organisms and nonliving things.</p>	<ul style="list-style-type: none"> ● 1 The Shape of Things <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 3 Peppermint Beetle <ul style="list-style-type: none"> ● 6a Picture This! ● 13a We All Need Trees <input type="checkbox"/> 16a Pass The Plants, Please <ul style="list-style-type: none"> ● 20 Environmental Exchange Box ● 21a Adopt A Tree ● 22a Trees As Habitats ● 25 Birds and Worms ● 27 Every Tree for Itself ● 36v Pollution Search ● 41v How Plants Grow ● 43 Have Seeds will Travel ● 46 Schoolyard Safari ● 47 Are Vacant Lots Vacant? <input type="checkbox"/> 49v Tropical Treehouse 	<ul style="list-style-type: none"> ● 61 The Closer You Look ● 62 To Be a Tree ● 63v Tree Factory ● 64 Looking at Leaves <input type="checkbox"/> 65 Bursting Buds <input type="checkbox"/> 67v How Big is Your Tree/ ● 70a Soil Stories ● 78a Signs of Fall <input type="checkbox"/> 81c Living with Fire

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K-2.3 Match parents with their offspring to show that plants and animals closely resemble their parents.	<input type="checkbox"/> 6a Picture This! <ul style="list-style-type: none"> ● 43 Have Seeds will Travel <input type="checkbox"/> 46 Schoolyard Safari <ul style="list-style-type: none"> ● 65 Bursting Buds <input type="checkbox"/> 79v Tree Lifecycle
K-2.4 Compare individual examples of a particular type of plant or animal to determine that there are differences among individuals.	<input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 3 Peppermint Beetle <input type="checkbox"/> 6a Picture This! <input type="checkbox"/> 20 Environmental Exchange Box <input type="checkbox"/> 22a Trees As Habitats <ul style="list-style-type: none"> ● 25 Birds and Worms ● 41v How Plants Grow ● 43 Have Seeds will Travel ● 46 Schoolyard Safari <ul style="list-style-type: none"> ● 47 Are Vacant Lots Vacant? <input type="checkbox"/> 54a I'd Like to Visit a Place Where..... <ul style="list-style-type: none"> ● 61 The Closer You Look <input type="checkbox"/> 63 Tree Factory <ul style="list-style-type: none"> ● 64 Looking at Leaves <input type="checkbox"/> 65 Bursting Buds <input type="checkbox"/> 67v How Big Is Your Tree? <input type="checkbox"/> 78a Signs of Fall
K-2.5 Recognize that all organisms go through stages of growth and change called life cycles.	<input type="checkbox"/> 6a Picture This! <input type="checkbox"/> 16a Pass The Plants, Please <input type="checkbox"/> 22a Trees As Habitats <input type="checkbox"/> 41v How Plants Grow <ul style="list-style-type: none"> ● 43 Have Seeds will Travel <input type="checkbox"/> 46 Schoolyard Safari <input type="checkbox"/> 61 The Closer You Look <input type="checkbox"/> 62 To Be a Tree <input type="checkbox"/> 63v Tree Factory <input type="checkbox"/> 64 Looking at Leaves <ul style="list-style-type: none"> ● 65 Bursting Buds <input type="checkbox"/> 67v How Big is Your Tree? <ul style="list-style-type: none"> ● 79v Tree Lifecycle <input type="checkbox"/> 81c Living with Fire

My Body

Standard K-3: The student will demonstrate an understanding of the distinct structures of human body and the different functions they serve.
(Life Science)

Indicators

PLT Activities

K-3.1 Identify the distinct structures in the human body that are for walking, holding, touching, seeing, smelling, hearing, talking, and tasting.	<ul style="list-style-type: none"> ● 1 The Shape of Things ● 2 Get In Touch with Trees ● 3 Peppermint Beetle ● 4a Sounds Around
K-3.2 Identify the functions of the sensory organs (including the eyes, nose, ears, tongue, and skin).	<ul style="list-style-type: none"> ● 1 The Shape of Things ● 2 Get In Touch with Trees ● 3 Peppermint Beetle ● 4a Sounds Around

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Seasonal Changes

Standard K-4: The student will demonstrate an understanding of seasonal weather changes. (Earth Science)

Indicators

PLT Activities

K-4.1	Identify weather changes that occur from day to day.	<input type="checkbox"/> 20 Environmental Exchange Box <input type="checkbox"/> 49v Tropical Treehouse <input type="checkbox"/> 78a Signs of Fall
K-4.2	Compare the weather patterns that occur from season to season.	<input type="checkbox"/> 20 Environmental Exchange Box <input type="checkbox"/> 21a Adopt A Tree <input type="checkbox"/> 22a Trees As Habitats <input type="checkbox"/> 65 Bursting Buds <input type="checkbox"/> 78a Signs of Fall
K-4.3	Summarize ways that the seasons affect plants and animals.	<input type="checkbox"/> 20 Environmental Exchange Box <input type="checkbox"/> 41v How Plants Grow <input type="checkbox"/> 61 The Closer You Look <input type="checkbox"/> 62 To Be a Tree <input type="checkbox"/> 63v Tree Factory <input type="checkbox"/> 64 Looking at Leaves <input checked="" type="checkbox"/> 65 Bursting Buds <input checked="" type="checkbox"/> 78a Signs of Fall <input type="checkbox"/> 81c Living with Fire

Exploring Matter

Standard K-5: The student will demonstrate the understanding that objects can be described by their observable properties. (Physical Science)

Indicators

PLT Activities

K-5.1	Classify objects by observable properties (including size, color, shape, magnetic attraction, heaviness, texture, and the ability to float in water).	<input type="checkbox"/> 1 The Shape of Things <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 3 Peppermint Beetle <input type="checkbox"/> 4a Sounds Around <input type="checkbox"/> 13a We All Need Trees <input type="checkbox"/> 25 Birds and Worms <input type="checkbox"/> 36bv Pollution Search <input type="checkbox"/> 39a Energy Sleuths <input checked="" type="checkbox"/> 64 Looking at Leaves <input type="checkbox"/> 67v How Big is Your Tree? <input checked="" type="checkbox"/> 70a Soil Stories
K-5.2	Compare the properties of different types of materials (including wood, plastic, metal, cloth, and paper) from which objects are made.	<input type="checkbox"/> 1 The Shape of Things <input type="checkbox"/> 2 Get In Touch with Trees <input type="checkbox"/> 3 Peppermint Beetle <input type="checkbox"/> 4a Sounds Around

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		<ul style="list-style-type: none">● 13a We All Need Trees□ 16a Pass The Plants, Please□ 20 Environmental Exchange Box□ 36v Pollution Search□ 39a Energy Sleuths
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