

PROJECT LEARNING TREE

ACTIVITY MATRIX

ACTIVITY	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	Other Standards
The Shape of Things						4.A					4.B							2.9.3.D 9.1.1.A
Get in Touch with Trees							4.A				4.B							1.4.3.A
Peppermint Beetle							4.B				4.B							
Sounds Around							4.B				4.B		4.C					1.6.3.B 2.6.3.A
Poet-Tree		7.A 7.B										7.A 7.D						1.1.5.E 1.4.5.A
Picture This!			4.C			4.A	4.A			4.C	4.B							2.1.3.G 9.1.3.B
Habitat Pen Pals						4.A	4.A					4.A						1.4.5.B 1.5.5.A,B
The Forest of S.T. Shrew			4.C			4.A						4.A						1.6.5.B 9.1.5.B
Planet of Plenty			7.C				7.A				7.C							1.6.8.E 2.6.8.D
Charting Diversity							4.A 4.B					4.A 4.C						2.6.5.A
Can It Be Real?							7.A 7.B					7.A						9.1.5.B
Tree Treasures		4.A 4.B						4.D									4.B	
We All Need Trees		4.A 4.B						4.D									4.B	1.1.5.A,B,C, D
Renewable or Not?		7.A 7.B						7.A 7.C 7.D										1.1.5.A,B,C, D
A Few of My Favorite Things		7.B						7.C 7.D										9.1.5.A,B
Pass the Plants, Please		7.A		4.B 4.C														2.6.5.A
People of the Forest								7.A 7.B										1.1.8.G 1.4.8.A 1.6.8.E 7.3.6.C
Tale of the Sun		4.A	4.C															1.6.5.B 7.3.6.B
Values on the Line																		1.6.8.A,D,E
Environmental Exchange Box								4.B 4.C										1.4.5.A 7.3.6.A,C,D

Adopt a Tree						4.A	4.A											1.4.3.B
Trees as Habitat			4.C				4.A				4.A							1.4.3.B 2.6.3.A
The Fallen Log						7.A 7.B 7.C					7.C							1.4.5.B 1.6.4.E
Nature's Recyclers						7.A 7.C	7.A				7.C							1.4.5.A 2.6.3.A
Birds and Worms						7.A	7.B					7.A						2.6.5.A
Dynamic Duos			4.C		4.A													1.2.3.A
Every Tree for Itself						4.A	4.A 4.B					4.A						2.6.5.A
Air Plants						4.A 4.B						4.A 4.B						2.3.3.B
Rain Reasons						4.a	4.A	4.A			4.C	4.A						7.1.6.B 7.2.6.B
Three Cheers for Trees		4.A 4.C															4.B	9.1.3.A
Plant A Tree		7.A 7.B	7.B			7.C		7.D										5.2.6.A 6.3.6.D
A Forest of Many Uses		7.A 7.B 7.C						7.C 7.D	7.A									5.2.6.A 6.3.6.D
Forest Consequences								7A 7.B 7.D	7.A									5.2.6.A 6.3.6.D
Who Works in this Forest?								7.C 7.D	7.A									6.4.6.D 6.5.6.A
Loving it too Much								10. C 10. D	10. A									2.6.8.A 7.1.6.A
Pollution Search			4.B					4.C										1.6.3.B,D 2.6.3.A 9.1.3.A
Talking Trash, Not!		4.C	4.A					4.C										1.6.3.B 2.6.3.A 5.2.3.A,B
Every Drop Counts		7.B						7.A 7.C 7.D										1.6.8.E 2.3.5.A 2.6.5.A
Energy Sleuths		7.A 7.B							7.A				7.B	7.B				1.8.5.A,B,C 5.1.6.B,J

Then and Now			7.B					7.C									1.8.8.B,C 7.3.6.C,D	
How Plants Grow					4.A 4.B					4.C	4.A						2.6.3.A	
Sunlight and Shades of Green					4.B					4.C							1.4.3.B 1.6.3.B	
Have Seeds, Will Travel					4.A 4.B	4.A 4.B					4.A 4.B 4.C						2.1.3.G	
Water Wonders	7.A 7.B									7.C			7.D				1.4.5.A	
Web of Life			7.C		7.A 7.B				7.E		7.D						1.8.5.B 9.1.5.A	
School Yard Safari			4.C		4.A					4.C							1.4.5.A 2.6.3.A 9.1.5.A,B	
Are Vacant Lots Vacant?			7.C		7.A 7.C					7.C							1.6.8.E 2.3.5.A,B 2.6.5.A	
Field, Forest and Stream			4.C		4.A					4.C	4.A						2.3.5.A,B 2.6.5.A	
Tropical Tree House					7.A	7.A		7.A									1.1.5.G 1.8.5.A,B,C 5.1.6.B,J 5.3.6.C 9.1.5.A	
400-Acre Wood		10. B 10. C			10. C	10. C	10. A	10. A									2.2.8.A,B 2.5.8.A,B,C, D 6.3.9.B,C	
Make Your Own Paper		7.B 7.D								7.C 7.D						7.A	9.1.8.A	
A Look at Aluminum		7.A 7.B 7.C 7.D	7.B										7.B	7.A 7.C		7.A	1.6.8.A,D,E, F	
On the Move								7.B		7.B			7.C		7.C		7.A 7.B 7.C	1.6.8.A,D,E

I'd Like to Visit a Place Where...							10. B 10. D							7.A 7.B 7.C	1.4.8.B
Planning the Ideal Community		7.A 7.B	7.B			7.C	7.A 7.B 7.C							7.B	7.1.6.A 7.3.6.A,C,D 7.4.6.A,B
We Can Work It Out							7.C 7.D	7.A							1.6.8.C,D,E 5.2.6.A,C 5.3.6.A,C,H 7.3.6.D
Democracy in Action								4.A							5.2.3.C,D,E, G 5.3.6.H
There Ought to be a Law								10. A							5.2.9.B,C
Power of Print (any E&E standard depending on issue)															1.4.8.B,C 5.3.6.J
Publicize It! (any E&E standard depending on issue)															1.8.5.A,B,C 5.2.6.C 5.3.6.J
The Closer you Look						4.A				4.A					9.1.3.A,B
To Be a Tree						4.A 4.B			4.A 4.C	4.A					9.1.3.A,B
Tree Factory			4.A 4.C			4.A 4.B			4.A 4.B	4.A					9.1.3.A,B 10.4.3.A,F
Looking at Leaves			4.C		4.A	4.A				4.A					9.1.3.A,B
Bursting Buds			4.C			4.A			4.A 4.C	4.B	4.A 4.C				9.1.5.A,B
Germinating Giants					7.A	7.A 7.B				7.B	7.A 7.D			7.B	2.3.5.A,B 2.2.5.E,F
How Big is Your Tree?					7.A	7.A			7.D	7.B	7.A 7.D			7.B	2.2.8.A,B,E, F 2.3.8.A,D
Name that Tree			4.C		4.A	4.A 4.B			4.A 4.C		4.A				1.4.3.A 10.4.3.A
Forest for the Trees		4.A 4.B 4.C					4.D				4.A				1.2.3.A 1.4.3.B
Soil Stories				4.C	4.A							4.A 4.B			1.4.5.B 2.2.5.A,C,D

																	2.6.5.A 2.7.5.D
Watch on Wetlands	7.D 7.E						7.D	7.A		7.B 7.C							1.4.8.B 1.6.8.D,E 2.3.5.A,B 5.2.6.A,B,C, E,F 5.3.6.A,C,D, H
Air we Breathe			7.A 7.B							7.B 7.C							1.2.8.A 1.4.8.B
Waste Watchers		7.A 7.B					7.A 7.C			7.D							2.2.8.A,B 2.3.8.A,B
People, Places, and Things		4.A					4.A 4.B 4.C 4.D								4.A 4.B 4.C		7.3.3.A,B,C, D
Tepee Talk		7.A 7.B					7.A 7.B										7.3.6.A,B,C
Tree Cookies					4.A	4.A 4.B			4.A 4.C		4.A 4.B 4.C						2.2.3.E 8.1.3.A 9.1.5.A,B
Trees in Trouble			4.A 4.C							4.C	4.A						1.4.5.B 2.3.5.A 2.4.5.F 2.6.5.E
Signs of Fall					4.A 4.C				4.C		4.A 4.C		4.C				1.4.3.B 9.1.3.A
Tree Lifecycle					7.B												1.1.5.G 1.4.5.B 9.1.5.A,B
Nothing Succeeds Like Succession					7.C					7.B							1.2.8.A 1.4.8.B 2.6.5.A,E 9.1.8.B
Living with Fire					7.A 7.C	7.B 7.C							7.A				1.8.8.B 2.6.5.A
Resource-Go-Round		7.A 7.B 7.C					7.A 7.C							7.A		7.C	1.4.5.B 1.8.5.A,B,C 7.1.6.A
Reduce, Reuse, Recycle		7.B 7.D															1.6.8.C 2.5.8.A,B,C, D 6.3.9.C,E
A Peek at Reptiles		7.B 7.D					7.A 7.D							7.A		7.A 7.C	6.3.6.C

								7.C 7.D										
Air to Drive		7.A 7.B	7.B			7.C		7.A 7.B 7.C 7.D						7.B	7.A		7.A 7.B 7.C	2.5.8.A,C,D
Our Changing World						7.A 7.B 7.C	7.B			7.A 7.E								1.2.5.A
Earth Manners		4.C						4.C										9.1.3.A,B
Life on the Edge							7.A 7.B 7.C					7.D						1.6.8.C,D,E, F 1.8.8.A,B,C
Trees for Many Reasons		4.B 4.C	4.C					4.C 4.D									4.B 4.C	1.3.5.A,B,C
The Native Way								7.A 7.B										7.3.9.A,B,C, E 8.1.9.A,B,C, D 8.3.9.A,B,C, D
In the Good Old Days									10. A									1.1.8.A,B,C, D,F,G 1.2.8.A,B 1.6.8.C,D,E, F 8.1.9.A,B,C, D 8.3.9.A,B,C
A Look at Lifestyles		7.A 7.B						7.A 7.B 7.C 7.D									7.A 7.C	1.2.5.A 1.4.5.B 8.3.6.A,B,C, D 7.3.6.C
Paper Civilization		4.A 4.B 4.D						4.B 4.D									7.A	1.1.5.A,B,C, D 1.6.5.A,C,D, E 8.4.6.A,C 9.1.5.A,B
Where Are the Cedars of Lebanon?		7.A 7.B						7.A 7.B									7.A 7.B 7.C	1.6.8.A,C,D, E 8.4.6.C
Did you Notice?								4.A									4.B	8.1.6.A,C,D

								4.D										
Improve your Place								4.C										2.3.5.A,B 2.5.5.A,B,C, E,F

E/E Standards: 4.6.4A

S/T Standards: 3.2.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
The Shape of Things	<i>Ecosystems and their Interactions</i> 4.6.4A <ul style="list-style-type: none">Identify and categorize living and nonliving things.	<i>Inquiry and Design</i> 3.2.4B <ul style="list-style-type: none">Recognize observational descriptors from each of the five senses.Use observations to develop a descriptive vocabulary.	Mathematics 2.9.3D <i>Geometry</i> Arts & Humanities 9.1.3A <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i>	Hands-on Art Form Observation Classification Investigation Large Group Small Group	Verbal/Linguistic Logical/Mathematical Visual/Spatial

E/E Standards: 4.7.4A

S/T Standards: 3.2.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Get In Touch With Trees	<i>Threatened, Endangered and Extinct Species</i> 4.7.4A <ul style="list-style-type: none">• Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival.	<i>Inquiry and Design</i> 3.2.4B <ul style="list-style-type: none">• Recognize observational descriptors from each of the five senses.• Use observations to develop a descriptive vocabulary.	Reading, Writing, Speaking and Listening 1.4.3A <i>Types of Writing</i>	Whole-body Hands-on Observation Game Investigation Small Group	Verbal/Linguistic Logical/Mathematical Visual/Spatial

E/E Standards: 4.7.4B

S/T Standards: 3.2.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Peppermint Beetle	<i>Threatened, Endangered and Extinct Species</i> 4.7.4B <ul style="list-style-type: none">• Explain how specific adaptations can help a living organism to survive.	<i>Inquiry and Design</i> 3.2.4B <ul style="list-style-type: none">• Recognize observational descriptors from each of the five senses.• Use observations to develop a descriptive vocabulary.	N/A	Whole-body Hands-on Game Investigation Small Group	Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal

E/E Standards: 4.7.4B

S/T Standards: 3.2.4B, 3.4.4C

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Sounds Around	<p><i>Threatened, Endangered and Extinct Species</i> 4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. 	<p><i>Inquiry and Design</i> 3.2.4B</p> <ul style="list-style-type: none"> Recognize observational descriptors from each of the five senses. Use observations to develop a descriptive vocabulary. <p><i>Physical Science, Chemistry and Physics</i> 3.4.4C</p> <ul style="list-style-type: none"> Identify characteristics of sound (pitch, loudness and echoes) 	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.6.3B <i>Speaking and Listening</i></p>	<p>Hands-on Observation Record Data Graph/Map Research Discussion Problem Solving Listening Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.7A, B

S/T Standards: 3.3.7A, D

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Poet-Tree	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Compare finished products to their original raw material. 	<p><i>Biological Sciences</i> 3.3.7A</p> <ul style="list-style-type: none"> Describe how the structures of living things help them function in unique ways. Account for adaptations among organisms that live in a particular environment. <p>3.3.7D</p> <ul style="list-style-type: none"> Identify adaptations that allow organisms to survive in their environment. 	<p>Reading, Writing, Speaking and Listening 1.4.5A <i>Types of Writing</i> 1.1.5E <i>Learning to Read Independently</i></p>	<p>Art Form Reading Writing Individual</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist Intrapersonal</p>

E/E Standards: 4.3.4C, 4.6.4A, 4.7.4A

S/T Standards: 3.1.4C, 3.2.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Picture This!	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> Identify some of the organisms that live together in an ecosystem. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Identify and categorize living and nonliving things. Identify plants and animals with their habitat and food sources. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Identify local plants or animals and describe their habitat. 	<p><i>Unifying Themes</i> 3.1.4C</p> <ul style="list-style-type: none"> Identify observable patterns (e.g. growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers). <p><i>Inquiry and Design</i> 3.2.4B</p> <ul style="list-style-type: none"> Recognize observational descriptors from each of the five senses (e.g., see-blue, feel-rough). Use observations to develop a descriptive vocabulary. 	<p>Mathematics 2.1.3G <i>Numbers, Number Systems and Number Relationships</i></p> <p>Arts and Humanities 9.1.3B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Art Form Categorize Large Group Small Group Individual</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist</p>

E/E Standards: 4.6.4A, 4.7.4A

S/T Standards: 3.3.4A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Habitat Pen Pals	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify plants and animals with their habitat and food sources. Identify a simple ecosystem and its living and nonliving components. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why each of the four elements in a habitat is essential for survival. Identify local plants or animals and describe their habitat. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Know that some organisms have similar characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. 	<p>Reading, Writing, Speaking and Listening 1.4.5B <i>Types of Writing</i> 1.5.5A, B <i>Quality of Writing</i></p>	<p>Hands-on Art Form Reading Writing Role-play Discussion Large Group Individual</p>	<p>Verbal/Linguistic Naturalist Intrapersonal</p>

E/E Standards: 4.3.4C, 4.6.4A

S/T Standards: 3.3.4A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>The Forest of S.T. Shrew</p>	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> • Identify some of the organisms that live together in an ecosystem. • Identify the effects of a healthy environment on the ecosystem. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> • Identify and categorize living and nonliving things. • Describe the basic needs of an organism. • Identify basic needs of a plant and an animal and how their needs are met. • Identify plants and animals with their habitat and food sources. • Describe how certain insects interact with soil for their needs. • Identify a local ecosystem and its living and nonliving components. • Identify animals that live underground. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> • Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. • Describe the basic needs of plants and animals. 	<p>Reading, Writing, Speaking and Listening 1.6.5B <i>Speaking and Listening</i></p> <p>Arts and Humanities 9.1.5B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Art Form Reading Listening Discussion Large Group</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist Intrapersonal</p>

E/E Standards: 4.3.7C, 4.7.7A

S/T Standards: 3.2.7C

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Planet of Plenty	<p><i>Environmental Health</i> 4.3.7C</p> <ul style="list-style-type: none"> • Explain the complex, interactive relationships among members of an ecosystem. • Explain how diversity affects ecological integrity of the natural resources. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7A</p> <ul style="list-style-type: none"> • Select an ecosystem and describe the different plants and animals that live there. 	<p><i>Inquiry and Design</i> 3.2.7C</p> <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. • Judge the significance of experimental information in answering the question. • Communicate appropriate conclusions from the experiment. 	<p>Mathematics 2.6.8D <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.6.8E <i>Speaking and Listening</i></p>	<p>Hands-on Inquiry Observation Record Data Graph/Map Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.7.4A, B

S/T Standards: 3.3.4A, C

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Charting Diversity	<p><i>Threatened, Endangered and Extinct Species</i></p> <p>4.7.4A</p> <ul style="list-style-type: none"> • Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. • Identify characteristics that living things inherit from their parents. • Explain why each of the four elements in a habitat are essential for survival. • Identify local plants or animals and describe their habitat. <p>4.7.4B</p> <ul style="list-style-type: none"> • Explain how specific adaptations can help a living organism to survive. • Explain what happens to a living thing when its food, water, shelter or space is changed. 	<p><i>Biological Sciences</i></p> <p>3.3.4A</p> <ul style="list-style-type: none"> • Identify life processes of living things (e.g., growth, digestion, react to environment.) • Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. <p>3.3.4C</p> <ul style="list-style-type: none"> • Identify characteristics for animal and plant survival in different climates. 	<p>Mathematics</p> <p>2.6.5A</p> <p><i>Statistics and Data Analysis</i></p>	<p>Hands-on Reading Writing Record Data Graph/Map Research Problem Solving Discussion Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.7.7A, B

S/T Standards: 3.3.7A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Can It Be Real?	<p><i>Threatened, Endangered and Extinct Species</i> 4.7.7A</p> <ul style="list-style-type: none"> Identify adaptations in plants and animals. Recognize that adaptations are developed over long periods of time and are passed on from one generation to the next. <p>4.7.7B</p> <ul style="list-style-type: none"> Explain how an adaptation is an inherited structure or behavior that helps an organism survive and reproduce. Describe how a particular trait may be selected over time and account for a species' adaptation. 	<p><i>Biological Sciences</i> 3.3.7A</p> <ul style="list-style-type: none"> Account for adaptations among organisms that live in a particular environment. 	<p>Arts and Humanities 9.1.5B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Art Form Reading Writing Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.2.4A, B, 4.8.4D

S/T Standards: 3.8.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tree Treasures	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4A</p> <ul style="list-style-type: none"> • Identify plants, animals, water, air, minerals and fossil fuels as natural resources. • Identify how the environment provides for the needs of people. <p>4.2.4B</p> <ul style="list-style-type: none"> • Identify products made from trees. • Identify the sources of manmade products (e.g., plastics, metal, aluminum, fabrics, paper, cardboard). <p><i>Humans and the Environment</i> 4.8.4D</p> <ul style="list-style-type: none"> • Identify items used in daily life that come from natural resources. • Identify ways to conserve our natural resources. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.4B</p> <p>Identify and distinguish between natural and human-made resources.</p>	N/A	<p>Brain Storm Classification Writing Game Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.4A, B, 4.8.4D

S/T Standards: 3.8.4B

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
We All Need Trees	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4A</p> <ul style="list-style-type: none"> Identify plants, animals, water, air, minerals and fossil fuels as natural resources. Identify how the environment provides for the needs of people. <p>4.2.4B</p> <ul style="list-style-type: none"> Identify products made from trees. Identify the sources of manmade products (e.g., plastics, metal, aluminum, fabrics, paper, cardboard). <p><i>Humans and the Environment</i> 4.8.4D</p> <ul style="list-style-type: none"> Identify items used in daily life that come from natural resources. Identify ways to conserve our natural resources. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.4B</p> <ul style="list-style-type: none"> Identify and distinguish between human needs and improving the quality of life. Identify and distinguish between natural and human-made resources. 	<p>Reading, Writing, Speaking and Listening 1.1.5A, B, C, D <i>Learning to Read Independently</i></p>	<p>Hands-on Inquiry Reading Discussion Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7A, B, 4.8.7A, C, D

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Renewable or Not?	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> • Identify resources used to provide humans with energy, food, housing and water. • Explain how plants and animals may be classified as natural resources. • Identify types of minerals and fossil fuels used by humans. <p>4.2.7B</p> <ul style="list-style-type: none"> • Identify renewable resources and describe their uses. • Identify nonrenewable resources and describe their uses. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> • Explain how people use natural resources in their environment. <p>4.8.7C</p> <ul style="list-style-type: none"> • Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> • Explain how conservation practices have influenced ecosystems. 	N/A	<p>Reading, Writing, Speaking and Listening 1.1.5A, B, C, D <i>Learning to Read Independently</i></p>	<p>Reading Writing Game Demonstration Classification Discussion Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7B, 4.8.7C, D

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>A Few of My Favorite Things</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7B</p> <ul style="list-style-type: none"> • Identify renewable resources and describe their uses. • Identify nonrenewable resources and describe their uses. • Compare finished products to their original material. • Identify the waste derived from the use of renewable and nonrenewable resources. • Determine how consumption may impact the availability of resources. <p>4.8.7C</p> <ul style="list-style-type: none"> • Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> • Explain how conservation practices have influenced ecosystems. 	<p>N/A</p>	<p>Arts and Humanities 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Art Form Inquiry Writing Investigation Large Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7A, 4.4.4B, C

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Pass The Plants, Please</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> • Identify resources used to provide humans with energy, food, housing and water. • Explain how plants and animals may be classified as natural resources. • Compare means of growing or acquiring food. <p><i>Agriculture and Society</i> 4.4.4B</p> <ul style="list-style-type: none"> • Identify common plants found on Pennsylvania farms. • Identify the parts of important agricultural related plants (i.e., corn, soybeans, barley). <p>4.4.4C</p> <ul style="list-style-type: none"> • Define and identify food and fiber. • Identify what plants and animals need to grow. • Identify agricultural products that are local and regional. • Identify an agricultural product based on its origin. • Describe several products and tell their origins. 	<p>N/A</p>	<p>Mathematics 2.6.5A <i>Statistics and Data Analysis</i></p>	<p>Hands-on Reading Writing Brain Storm Record Data Graph/Map Research Large Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.8.7A, B

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
People of the Forest	<i>Humans and the Environment</i> 4.8.7A <ul style="list-style-type: none">• Explain how people use natural resources in their environment.• Compare and contrast how people use natural resources throughout the world. 4.8.7B <ul style="list-style-type: none">• Describe how natural resources are used for survival.	N/A	Reading, Writing, Speaking and Listening 1.1.8G <i>Learning to Read Independently</i> 1.4.8A <i>Types of Writing</i> 1.6.8E <i>Speaking and Listening</i> Geography 7.3.6C <i>The Human Characteristics of Places and Regions</i>	Reading Writing Research Presentation Small Group Individual	Verbal/Linguistic Intrapersonal

E/E Standards: 4.2.4A, 4.3.4C

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tale of the Sun	<i>Renewable and Nonrenewable Resources</i> 4.2.4A <ul style="list-style-type: none">Identify how the environment provides for the needs of people. <i>Environmental Health</i> 4.3.4C <ul style="list-style-type: none">Understand that the components of a system all play a part in a healthy natural system.	N/A	Reading, Writing, Speaking and Listening 1.6.5B <i>Speaking and Listening</i> Geography 7.3.6B <i>The Human Characteristics of Places and Regions</i>	Reading Listening Large group	Verbal/Linguistic

E/E Standards: N/A

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Values on the Line	Various standards are covered in levels 7 and 10.	N/A	Reading, Writing, Speaking and Listening 1.6.8A, D, E <i>Speaking and Listening</i>	Whole-body Hands-on Reading Debate Demonstration Valuing Large Group Small Group	Verbal/Linguistic Interpersonal Intrapersonal

E/E Standards: 4.8.4B, C

S/T Standards: N/A

Project Learning Tree Section: Diversity

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Environmental Exchange Box	<i>Humans and the Environment</i> 4.8.4B <ul style="list-style-type: none">Identify how regional natural resources influence what people use.Explain the influence of climate on how and where people live. 4.8.4C <ul style="list-style-type: none">Identify examples of how human activities within a community affect the natural environment.	N/A	Geography 7.3.6A, C, D <i>The Human Characteristics of Places and Regions</i> 7.4.6A, B <i>The Interactions Between People and Places</i> Reading, Writing, Speaking and Listening 1.4.5A <i>Types of Writing</i>	Writing Art Form Discussion Observation	Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal

E/E Standards: 4.6.4A, 4.7.4A,
S/T Standards: 3.3.4A, B

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Adopt A Tree	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify environmental variables that affect plant growth. Describe how animals interact with plants to meet their needs. Identify a simple ecosystem and its living and nonliving components. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. Explain why each of the four elements in a habitat is essential for survival. Identify local plants or animals and describe their habitat. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g. growth, digestion, react to environment). Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. Describe basic needs of plants and animals. <p>3.3.4B</p> <ul style="list-style-type: none"> Determine how different parts of a living thing work together to make the organism function. 	<p>Reading, Writing, Speaking and Listening 1.4.3B <i>Types of Writing</i></p>	<p>Hands-on Observation Reading Writing Art form Record data Individual</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist Intrapersonal</p>

E/E Standards: 4.3.4C, 4.7.4A

S/T Standards: 3.2.4A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Trees As Habitats	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> Identify some of the organisms that live together in an ecosystem. Understand that the components of a system all play a part in a healthy natural system. Identify the effect of a healthy environment on the ecosystem. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Identify local plants or animals and describe their habitat. 	<p><i>Inquiry and Design</i> 3.2.4A</p> <ul style="list-style-type: none"> Provide clear explanations that account for observations and results. 	<p>Reading, Writing, Speaking and Listening 1.4.3B <i>Types of Writing</i> Mathematics 2.6.3A <i>Statistics and Data Analysis</i></p>	<p>Hands-on Inquiry Observation Discussion Record Data Research Small Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.7A, B, C

S/T Standards: 3.2.7C

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
The Fallen Log	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Identify and explain the characteristics of biotic and abiotic. Describe and explain the adaptations of plants and animals to their environment. Demonstrate the dependency of living components in the ecosystem on the nonliving components. Identify niches for producers, consumers and decomposers within an ecosystem. <p>4.6.7B</p> <ul style="list-style-type: none"> Identify and explain cycles within an ecosystem. <p>4.6.7C</p> <ul style="list-style-type: none"> Explain how ecosystems change. Identify the succession stages of a given ecosystem. Explain how specific organisms may change an ecosystem. 	<p><i>Inquiry and Design</i> 3.2.7C</p> <ul style="list-style-type: none"> Design an investigation with limited variable to investigate a question. Communicate appropriate conclusions from the experiment. 	<p>Reading, Writing, Speaking and Listening 1.4.5B <i>Types of Writing</i> 1.6.4E <i>Speaking and Listening</i></p>	<p>Hands-on Inquiry Observation Writing Record Data Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.7A, C, 4.7.7A

S/T Standards: 3.2.7C

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Nature's Recyclers</p>	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Describe and explain the adaptations of plants and animals to their environment. Demonstrate the dependency of living components in the ecosystem on the nonliving components. Identify niches for producers, consumers and decomposers within an ecosystem. <p>4.6.7C</p> <ul style="list-style-type: none"> Explain how specific organisms may change an ecosystem. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7A</p> <ul style="list-style-type: none"> Select an ecosystem and describe different plants and animals that live there. 	<p><i>Inquiry and Design</i> 3.2.7C</p> <ul style="list-style-type: none"> Generate questions about objects, organisms and/or events that can be answered through scientific investigations. Evaluate the appropriateness of questions. Design an investigation with limited variables to investigate a question. Judge the significance of experimental information in answering the question. Communicate appropriate conclusions from the experiment. 	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.4.5A <i>Types of Writing</i></p>	<p>Hands-on Inquiry Brain Storm Observation Record Data Experiment Research Role Play Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.6.7A, 4.7.7B

S/T Standards: 3.3.7A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Birds and Worms	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Describe and explain the adaptations of plants and animals to their environment. Understand limiting factors and predict their effects on an organism. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7B</p> <ul style="list-style-type: none"> Explain the role of individual variations in natural selection. Explain how an adaptation is an inherited structure or behavior that helps an organism survive and reproduce. Describe how a particular trait may be selected over time and account for a species' adaptation. 	<p><i>Biological Sciences</i> 3.3.7A</p> <ul style="list-style-type: none"> Account for adaptations among organisms that live in a particular environment. 	<p>Mathematics 2.6.5A <i>Statistics and Data Analysis</i></p>	<p>Whole-body Hands-on Inquiry Observation Game Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Bodily/Kinesthetic Naturalist Interpersonal</p>

E/E Standards: 4.3.4C, 4.6.4A

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Dynamic Duos	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> • Identify some of the organisms that live together in an ecosystem. • Understand that the components of a system all play a part in a healthy natural system. • Identify the effects of a healthy environment on the ecosystem. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> • Describe the basic needs of an organism. • Identify basic needs of a plant and an animal and explain how their needs are met. • Identify environmental variables that affect plant growth. 	N/A	<p>Reading, Writing, Speaking and Listening 1.2.3A Reading Critically in All Content Areas</p>	<p>Reading Large Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.6.4A, 4.7.4A, B

S/T Standards: 3.3.4A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Every Tree For Itself	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify plants and animals with their habitat and food sources. Identify environmental variables that affect plant growth. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain what happens to a living thing when its food, water, shelter or space is changed. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life process of living things (e.g., growth, digestion, react to environment). Describe basic needs of plants and animals. 	<p>Mathematics 2.6.5A <i>Statistics and Data Analysis</i></p>	<p>Whole-body Hands-on Discussion Record Data Graph/Map Game Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.4A, B

S/T Standards: 3.3.4A, B

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Air Plants	<i>Ecosystems and their Interactions</i> 4.6.4A <ul style="list-style-type: none">Describe the basic needs of an organism.Identify basic needs of a plant and an animal and explain how their needs are met. 4.6.4B <ul style="list-style-type: none">Explain the carbon dioxide/oxygen cycle (photosynthesis).	<i>Biological Sciences</i> 3.3.4A <ul style="list-style-type: none">Describe basic needs of plants and animals. 3.3.4B <ul style="list-style-type: none">Determine how different parts of a living thing work together to make the organism function.	Mathematics 2.3.3B <i>Measurement and Estimation</i>	Hands-on Observation Brain Storm Calculations Graph/Map Model Small Group	Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal

E/E Standards: 4.6.4A, 4.7.4A, 4.8.4A

S/T Standards: 3.2.4C, 3.3.4A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Rain Reasons	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify environmental variables that affect plant growth. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. <p><i>Humans and the Environment</i> 4.8.4A</p> <ul style="list-style-type: none"> Explain how a dynamically changing environment provides for sustainability of living systems. 	<p><i>Inquiry and Design</i> 3.2.4C</p> <ul style="list-style-type: none"> Generate questions about objects, organisms and/or events that can be answered through scientific investigations. Design an investigation. Conduct an experiment. State a conclusion that is consistent with the information. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Describe basic needs of plants and animals. 	<p>Geography 7.1.6B <i>Basic Geographic Literacy</i> 7.2.6B <i>The Physical Characteristics of Places and Regions</i></p>	<p>Hands-on Inquiry Observation Investigation Calculations Record Data Analyzing Experiment Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.4A, C

S/T Standards: 3.8.4B

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Three Cheers For Trees	<i>Renewable and Nonrenewable Resources</i> 4.2.4A <ul style="list-style-type: none">Identify how the environment provides for the needs of people. 4.2.4C <ul style="list-style-type: none">Identify renewable and nonrenewable resources used in the local community.	<i>Science, Technology and Human Endeavors</i> 3.8.4B <ul style="list-style-type: none">Identify and distinguish between human needs and improving the quality of life.	Arts and Humanities 9.1.3A Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts	Art Form Brain Storm Observation Discussion Model Large Group Individual	Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal

E/E Standards: 4.2.7A, B, 4.3.7B, 4.6.7C, 4.8.7D

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Plant A Tree	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Explain how plants and animals may be classified as natural resources. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. <p><i>Environmental Health</i> 4.3.7B</p> <ul style="list-style-type: none"> Identify land use practices and their relation to environmental health. <p><i>Ecosystems and their Interactions</i> 4.6.7C</p> <ul style="list-style-type: none"> Explain a change in an ecosystem that relates to humans. <p><i>Humans and the Environment</i> 4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. Define the roles of Pennsylvania agencies that deal with natural resources. 	N/A	<p>Civics and Government 5.2.6A <i>Rights and Responsibilities of Citizenship</i> Economics 6.3.6D <i>Scarcity and Choice</i></p>	<p>Hands-on Problem Solving Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.2.7A, B, C, 4.8.7C, D, 4.9.7A

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>A Forest of Many Uses</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Explain how plants and animals may be classified as natural resources. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Identify nonrenewable resources and describe their uses. <p>4.2.7C</p> <ul style="list-style-type: none"> Distinguish between readily available and less accessible resources. <p><i>Humans and the Environment</i> 4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. Explain how a particular human activity has changed the local area over the years. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. Define the roles of Pennsylvania agencies that deal with natural resources. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> Explain the role of local and state agencies in enforcing environmental laws and regulations. 	<p>N/A</p>	<p>Civics and Government 5.2.6A <i>Rights and Responsibilities of Citizenship</i> Economics 6.3.6D <i>Scarcity and Choice</i></p>	<p>Brain Storm Discussion Problem Solving Record Data Simulation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.8.7A, B, D, 4.9.7A

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Forest Consequences	<p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> • Explain how people use natural resources in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> • Explain how natural resources and technological changes have affected the development of civilizations. <p>4.8.7D</p> <ul style="list-style-type: none"> • Explain how human activities and natural events have affected ecosystems. • Explain how conservation practices have influenced ecosystems. • Define the roles of Pennsylvania agencies that deal with natural resources. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> • Explain the role of local and state agencies in enforcing environmental laws and regulations. 	N/A	<p>Civics and Government 5.2.6A <i>Rights and Responsibilities of Citizenship</i></p> <p>Economics 6.3.6D <i>Scarcity and Choice</i></p>	<p>Problem Solving Brain Storm Discussion Debate Role -play Simulation Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal</p>

E/E Standards: 4.8.7C, D, 4.9.7A

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Who Works In This Forest?	<p><i>Humans and the Environment</i></p> <p>4.8.7C</p> <ul style="list-style-type: none"> Explain how a particular human activity has changed the local area over the years. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. Define the roles of Pennsylvania agencies that deal with natural resources. <p>4.9.7A</p> <ul style="list-style-type: none"> Explain the role of local and state agencies in enforcing environmental laws and regulations. 	N/A	<p>Economics</p> <p>6.4.6D</p> <p><i>Economic Independence</i></p> <p>6.5.6A</p> <p><i>Work and Earnings</i></p>	<p>Reading</p> <p>Writing</p> <p>Large Group</p> <p>Individual</p>	<p>Verbal/Linguistic</p> <p>Logical/Mathematical</p> <p>Interpersonal</p>

E/E Standards: 4.8.10C, D, 4.9.10A

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Loving It Too Much	<p><i>Humans and the Environment</i> 4.8.10C</p> <ul style="list-style-type: none"> • Analyze and evaluate changes in the environment that are the result of human activities. <p>4.8.10D</p> <ul style="list-style-type: none"> • Identify natural resources for which societal demands have been increasing. • Identify specific resources for which consumption has resulted in scarcity of supply. • Describe the relationship between population density and resource use and management. <p><i>Environmental Laws and Regulations</i> 4.9.10A</p> <ul style="list-style-type: none"> • Explain the positive and negative impacts associated with passing environmental laws and regulations. • Understand conflicting rights of property owners and environmental laws and regulations. 	N/A	<p>Mathematics 2.6.8A <i>Statistics and Data Analysis</i> Geography 7.1.6A <i>Basic Geographic Literacy</i></p>	<p>Inquiry Reading Writing Problem Solving Debate Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal</p>

E/E Standards: 4.3.4B, 4.8.4C

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Pollution Search	<p><i>Environmental Health</i> 4.3.4B</p> <ul style="list-style-type: none"> • Identify pollutants. • Identify sources of pollution. • Identify litter and its effect on the environment. • Describe how people can reduce pollution. <p><i>Humans and the Environment</i> 4.8.4C</p> <ul style="list-style-type: none"> • Identify everyday human activities and how they affect the environment. • Identify examples of how human activities within a community affect the natural environment. 	N/A	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.6.3B, D <i>Speaking and Listening</i> Arts and Humanities 9.1.3A <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Brain Storm Observation Investigation Record Data Graph/Map Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal</p>

E/E Standards: 4.2.4C, 4.3.4A, 4.8.4C

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Talking Trash, Not!	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4C</p> <ul style="list-style-type: none"> • Understand the waste stream. • Identify those items that can be recycled and those that can not. • Identify use of reusable products. • Identify the use of compost, landfills and incinerators. <p><i>Environmental Health</i> 4.3.4A</p> <ul style="list-style-type: none"> • Identify actions that can prevent or reduce waste pollution. <p><i>Humans and the Environment</i> 4.8.4C</p> <ul style="list-style-type: none"> • Identify everyday human activities and how they affect the environment. • Identify examples of how human activities within a community affect the natural environment. 	N/A	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.6.3B, D <i>Speaking and Listening</i> Civics and Government 5.2.3A, B <i>Rights and Responsibilities of Citizenship</i></p>	<p>Hands-on Discussion Observation Problem Solving Record Data Graph/Map Research Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7B, 4.8.7A, C, D

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Every Drop Counts	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Identify the waste derived from the use of renewable and nonrenewable resources. Determine how consumption may impact the availability of resources. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how conservation practices have influenced ecosystems. 	N/A	<p>Mathematics 2.3.5A <i>Measurement and Estimation</i> 2.6.5A <i>Statistics and Data Analysis</i> 2.7.5D, F <i>Probability and Predictions</i> Reading, Writing, Speaking and Listening 1.6.8E <i>Speaking and Listening</i></p>	<p>Observation Problem Solving Calculations Record Data Graph/Map Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7A, B, C, 4.9.7A

S/T Standards: 3.4.7B, 3.5.7B

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Energy Sleuths	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Identify types of minerals and fossil fuels used by humans. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Identify nonrenewable resources and describe their uses. Compare finished products to their original raw material. Identify the waste derived from the use of renewable and nonrenewable resources. Determine how consumption may impact the availability of resources. Compare the time spans of renewability for fossil fuels and alternative fuels. <p>4.2.7C</p> <ul style="list-style-type: none"> Distinguish between readily available and less accessible resources. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> Identify and explain environmental laws and regulations. 	<p><i>Physical Science, Chemistry and Physics</i> 3.4.7B</p> <ul style="list-style-type: none"> Describe and conduct experiments that identify chemical and physical properties. <p><i>Earth Sciences</i> 3.5.7B</p> <ul style="list-style-type: none"> Identify and locate significant earth resources (e.g., rock types, oil, gas, coal deposits) in Pennsylvania. Explain the processes involved in the formation of oil and coal in Pennsylvania. Explain the value and uses of different earth resources (e.g., selected minerals, ores, fuel sources, agricultural uses). 	<p>Reading, Writing, Speaking and Listening 1.8.5.A, B, C <i>Research</i> Civics and Government 5.1.6B, J <i>Principles and Documents of Government</i></p>	<p>Investigation Art Form Reading Writing Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.3.7B, 4.8.7C

S/T Standards: N/A

Project Learning Tree Section: Interrelationships

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Then and Now	<p><i>Environmental Health</i> 4.3.7B</p> <ul style="list-style-type: none"> Identify land use practices and their relation to environmental health. Identify residential and industrial sources of pollution and their effects on environmental health. <p><i>Humans and the Environment</i> 4.8.7C</p> <ul style="list-style-type: none"> Explain how a particular human activity has changed the local area over the years. 	N/A	<p>Reading, Writing, Speaking and Listening 1.8.8B, C <i>Research</i></p> <p>Geography 7.3.6C, D <i>The Human Characteristics of Places and Regions</i></p>	<p>Discussion Writing Listening Research Individual</p>	<p>Verbal/Linguistic Interpersonal</p>

E/E Standards: 4.6.4A, B
 S/T Standards: 3.2.4C, 3.3.4A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
How Plants Grow	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify environmental variables that affect plant growth. <p>4.6.4B</p> <ul style="list-style-type: none"> Explain the carbon dioxide/oxygen cycle (photosynthesis). 	<p><i>Inquiry and Design</i> 3.2.4C</p> <ul style="list-style-type: none"> Generate questions about objects, organisms and/or events that can be answered through scientific investigation. Design an investigation. Conduct an experiment. State a conclusion that is consistent with the information. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g., growth, digestion, react to environment) Describe basic needs of plants and animals. 	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i></p>	<p>Hands-on Inquiry Observation Investigation Calculations Record Data Analyzing Graph/Map Experiment Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.6.4B

S/T Standards: 3.2.4C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Sunlight and Shades of Green	<i>Ecosystems and their Interactions</i> 4.6.4B <ul style="list-style-type: none">• Explain the carbon dioxide/oxygen cycle (photosynthesis)	<i>Inquiry and Design</i> 3.2.4C <ul style="list-style-type: none">• Generate questions about objects, organisms and/or events that can be answered through scientific investigation.• Design an investigation.• Conduct an experiment.• State a conclusion that is consistent with the information.	Reading, Writing, Speaking and Listening 1.4.3B <i>Types of Writing</i> 1.6.3B <i>Speaking and Listening</i>	Hands-on Inquiry Discussion Observation Experiment Small Group	Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal

E/E Standards: 4.6.4A, B, 4.7.4A, B

S/T Standards: 3.3.4A, B, C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Have Seeds, Will Travel	<p><i>Ecosystems and their Interactions</i></p> <p>4.6.4A</p> <ul style="list-style-type: none"> Identify environmental variables that affect plant growth. <p>4.6.4B</p> <ul style="list-style-type: none"> Explain the carbon dioxide/oxygen cycle (photosynthesis). <p><i>Threatened, Endangered and Extinct Species</i></p> <p>4.7.4A</p> <ul style="list-style-type: none"> Identify characteristics that living things inherit from their parents. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. 	<p><i>Biological Sciences</i></p> <p>3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g., growth, digestion, react to environment). Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. <p>3.3.4B</p> <ul style="list-style-type: none"> Determine how different parts of a living thing work together to make the organism function. <p>3.3.4C</p> <ul style="list-style-type: none"> Identify characteristics for animal and plant survival in different climates. 	<p>Mathematics</p> <p>2.1.3G</p> <p><i>Numbers, Number Systems and Number Relationships</i></p>	<p>Hands-on Observation Investigation Discussion Listening Guided Imagery</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.1.7A, B
S/T Standards: 3.2.7C, 3.5.7D

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Water Wonders	<p><i>Watersheds and Wetlands</i> 4.1.7A</p> <ul style="list-style-type: none"> • Explain the water cycle. • Explain the water cycle as it relates to a watershed. <p>4.1.7B</p> <ul style="list-style-type: none"> • Explain factors that affect water quality and flow through a watershed. 	<p><i>Inquiry and Design</i> 3.2.7C</p> <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. • Evaluate the appropriateness of questions. • Design an investigation with limited variables to investigate a questions. • Judge the significance of experimental information in answering the question. • Communicate appropriate conclusions from the experiment. <p><i>Earth Sciences</i> 3.5.7D</p> <ul style="list-style-type: none"> • Explain the water cycle using the processes of evaporation and condensation. • Describe factors that affect evaporation and condensation. 	<p>Reading, Writing, Speaking and Listening 1.4.5A <i>Types of Writing</i></p>	<p>Whole-body Discussion Reading Experiment Problem Solving Game Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.3.7C, 4.6.7A, B

S/T Standards: 3.1.7E, 3.3.7D

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Web of Life	<p><i>Environmental Health</i> 4.3.7C</p> <ul style="list-style-type: none"> Identify some of the organisms that live together in an ecosystem. Understand that the components of a system all play a part in a healthy natural system. <p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Identify and explain the characteristics of biotic and abiotic. Demonstrate the dependency of living components in the ecosystem on the nonliving components. Explain energy flow through a food web. Explain the importance of the predator/prey relationship and how it maintains the balances within ecosystems. Understand limiting factors and predict their effects on an organism. Identify niches for producers, consumers and decomposers within an ecosystem. <p>4.6.7B</p> <ul style="list-style-type: none"> Identify and explain cycles within an ecosystem. Analyze the role of different cycles within an ecosystem. 	<p><i>Unifying Themes</i> 3.1.7E</p> <ul style="list-style-type: none"> Describe the effect of making a change in one part of a system on the system as a whole. <p><i>Biological Sciences</i> 3.3.7D</p> <ul style="list-style-type: none"> Describe how an environmental change can affect the survival of organisms and entire species. 	<p>Reading, Writing, Speaking and Listening 1.8.5B <i>Research</i></p> <p>Arts and Humanities 9.1.5A <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Discussion Hands-on Art Form Model Research Problem Solving Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.3.4C, 4.6.4A

S/T Standards: 3.2.4C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>School Yard Safari</p>	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> • Identify some of the organisms that live together in an ecosystem. • Understand that the components of a system all play a part in a healthy natural system. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> • Describe the basic needs of an organism. • Identify basic needs of a plant and an animal and explain how their needs are met. • Identify plants and animals with their food sources. • Identify a local ecosystem and its living and nonliving components. 	<p><i>Inquiry and Design</i> 3.2.4C</p> <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. 	<p>Mathematics 2.6.3A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.4.5A <i>Types of Writing</i> Arts and Humanitie 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Investigation Discussion Listening Observation Record Data Graph/Map Research Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.3.7C, 4.6.7A, C
 S/T Standards: 3.2.7C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Are Vacant Lots Vacant?</p>	<p><i>Environmental Health</i> 4.3.7C</p> <ul style="list-style-type: none"> • Explain the complex, interactive relationships among members of an ecosystem. <p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> • Describe and explain the adaptations of plants and animals to their environment. • Demonstrate the dependency of living components in the ecosystem on the nonliving components. • Identify the relationship of abiotic and biotic components and explain their interaction in an ecosystem. <p>4.6.7C</p> <ul style="list-style-type: none"> • Explain how ecosystems change. • Explain how specific organisms may change an ecosystem. • Explain a change in an ecosystem that relates to humans. 	<p><i>Inquiry and Design</i> 3.2.7C</p> <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. • Design an investigation with limited variables to investigate a question 	<p>Mathematics 2.3.5A, B <i>Measurement and Estimation</i> 2.6.5A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.6.8E <i>Speaking and Listening</i></p>	<p>Hands-on Investigation Discussion Observation Calculations Record Data Graph/Map Research Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.3.4C, 4.6.4A

S/T Standards: 3.2.4C, 3.3.4A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Field, Forest and Stream</p>	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> • Identify some of the organisms that live together in an ecosystem. • Understand that the components of a system all play a part in a healthy natural system. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> • Identify and categorize living and nonliving things. • Identify plants and animals with their habitat and food sources. • Identify environmental variables that affect plant growth. • Describe how certain insects interact with soil for their needs. • Identify a local ecosystem and its living and nonliving components. • Identify common soil textures. • Identify animals that live underground. 	<p><i>Inquiry and Design</i> 3.2.4C</p> <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. • Design an investigation. • Conduct an experiment. • State a conclusion that is consistent with the information. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> • Identify life processes of living things (e.g., growth, digestion, react to environment). • Describe basic needs of plants and animals. 	<p>Mathematics 2.3.5A, B <i>Measurement and Estimation</i> 2.6.5A <i>Statistics and Data Analysis</i></p>	<p>Hands-on Discussion Investigation Observation Listening Calculations Record Data Analyzing Graph/Map Experiment Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.7A, 4.8.7A, 4.9.7A

S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tropical Tree House	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Identify the major characteristics of a biome. Compare and contrast biomes and their characteristics. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Locate and identify natural resources in different parts of the world. Compare and contrast how people use natural resources throughout the world. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> Identify and explain environmental laws and regulations. 	N/A	<p>Reading, Writing, Speaking and Listening 1.1.5G <i>Learning to Read Independently</i> 1.8.5A, B, C <i>Research</i></p> <p>Civics and Government 5.1.6B, J <i>Principles and Documents of Government</i> 5.3.6C <i>How Government Works</i></p> <p>Arts and Humanities 9.1.5A <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Art Form Reading Writing Listening Problem Solving Research Individual Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.10B, C, 4.6.10C, 4.7.10C, 4.8.10A, B, C, D, 4.9.10A

S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
400-Acre Wood	<p><i>Renewable and Nonrenewable Resources</i> 4.2.10B</p> <ul style="list-style-type: none"> Evaluate the effect of consumer desires on various natural resources. <p>4.2.10C</p> <ul style="list-style-type: none"> Analyze the impact of information systems on management and distribution of natural resources. <p><i>Ecosystems and their Interactions</i> 4.6.10C</p> <ul style="list-style-type: none"> Analyze consequences of interrupting natural cycles. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.10C</p> <ul style="list-style-type: none"> Explain how management practices may influence the success of specific species. <p><i>Humans and the Environment</i> 4.8.10A</p> <ul style="list-style-type: none"> Describe how uses of natural resources impact sustainability. <p>4.8.10B</p> <ul style="list-style-type: none"> Analyze the effects of a natural resource's availability on a community or region. <p>4.8.10C</p> <ul style="list-style-type: none"> Analyze and evaluate changes in the environment that are the result of human activities. <p>4.8.10D</p> <ul style="list-style-type: none"> Identify natural resources for which societal demands have been increasing. Describe the relationship between population density and resource use and management. <p><i>Environmental Laws and Regulations</i> 4.9.10A</p> <ul style="list-style-type: none"> Explain the positive and negative impacts associated with passing environmental laws and regulations. Understand conflicting rights of property owners and environmental laws and regulations. 	N/A	<p>Mathematics 2.2.8A, B <i>Computation and Estimation</i> 2.5.8A, B, C, D <i>Mathematical Problem Solving and Communication</i> Economics 6.3.9B, C <i>Scarcity and Choice</i></p>	<p>Inquiry Calculations Graph/Map Research Role Play Debate Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.7B, D, 4.8.7C, D
 S/T Standards: 3.8.7A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Make Your Own Paper	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Compare finished products to their original raw material. Identify the waste derived from the use of renewable and nonrenewable resources. <p>4.2.7D</p> <ul style="list-style-type: none"> Identify materials that can be recycled in the community. <p><i>Humans and the Environment</i> 4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how conservation practices have influenced ecosystems. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they effect our lives. 	<p>Arts and Humanities (Proposed) 9.1.8A <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Art form Small Group</p>	<p>Verbal/Linguistic Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.7A, B, C, D, 4.3.7B
 S/T Standards: 3.5.7B, 3.6.7A, C, 3.8.7A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
A Look At Aluminum	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify nonrenewable resources and describe their uses. Identify the waste derived from the use of renewable and nonrenewable resources. Determine how consumption may impact the availability of resources. <p>4.2.7C</p> <ul style="list-style-type: none"> Distinguish between readily available and less accessible resources. <p>4.2.7D</p> <ul style="list-style-type: none"> Identify materials that can be recycled in the community. Explain the process of closing the loop in recycling. Describe methods that could be used to reuse materials for new products. <p>4.3.7B</p> <ul style="list-style-type: none"> Explain the relationship between resource use, reuse, recycling and environmental health. 	<p><i>Earth Sciences</i> 3.5.7B</p> <ul style="list-style-type: none"> Explain the value and uses of different earth resources (e.g., selected minerals, ores, fuel sources, agricultural uses). <p><i>Technology Education</i> 3.6.7A</p> <ul style="list-style-type: none"> Identify the environmental, societal and economic impacts that waste has in the environment. <p>3.6.7C</p> <ul style="list-style-type: none"> Explain basic material processes that manufactured objects undergo during production. <p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. 	<p>Reading, Writing, Speaking and Listening 1.6.8A, D, E, F <i>Speaking and Listening</i></p>	<p>Reading Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.8.7B

S/T Standards: 3.1.7B, 3.4.7C, 3.6.7C, 3.8.7A, B, C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>On The Move</p>	<p><i>Humans and the Environment</i> 4.8.7B</p> <ul style="list-style-type: none"> Explain how natural resources and technological changes have affected the development of civilizations. 	<p><i>Unifying Themes</i> 3.1.7B</p> <ul style="list-style-type: none"> Identify and describe different types of models and their functions. Explain systems by outlining a system's relevant parts and its purpose and/or designing a model that illustrates its functions. <p><i>Physical Science, Chemistry and Physics</i> 3.4.7C</p> <ul style="list-style-type: none"> Explain various motions using models. <p><i>Technology Education</i> 3.6.7C</p> <ul style="list-style-type: none"> Explain transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. Model and explain examples of vehicular propulsion, control, guidance, structure and suspension systems. Explain the limitation of land, marine, air and space transportation systems. <p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. <p>3.8.7B</p> <ul style="list-style-type: none"> Identify interrelationships between systems and resources. Identify and describe the resources necessary to solve a selected problem in a community and improve the quality of life. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative, expected and unexpected effects of specific technological developments. Describe ways technology extends and enhances human abilities. 	<p>Reading, Writing, Speaking and Listening 1.6.8A, D, E <i>Speaking and Listening</i></p>	<p>Hands-on Inquiry Problem Solving Discussion Analyzing Calculations Model Research Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.8.10B, D
 S/T Standards: 3.8.7A, B, C

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
I'd Like To Visit A Place Where...	<p><i>Humans and the Environment</i> 4.8.10B</p> <ul style="list-style-type: none"> Analyze the effects of a natural resource's availability on a community or region. <p>4.8.10D</p> <ul style="list-style-type: none"> Identify natural resources for which societal demands have been increasing. Describe the relationship between population density and resource use and management. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. <p>3.8.7B</p> <ul style="list-style-type: none"> Identify and describe the resources necessary to solve a selected problem in a community and improve the quality of life. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative, expected and unexpected effects of specific technological developments. Describe ways technology extends and enhances human abilities. 	<p>Reading, Writing, Speaking and Listening 1.4.8B <i>Types of Writing</i></p>	<p>Discussion Reading Writing Investigation Problem Solving Research Small Group Individual</p>	<p>Verbal/Linguistic Interpersonal Intrapersonal</p>

E/E Standards: 4.2.7A, B, 4.3.7B, 4.7.7C, 4.8.7A, B, C
 S/T Standards: 3.8.7B

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Planning the Ideal Community</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Compare means of growing or acquiring food. <p>4.2.7B</p> <ul style="list-style-type: none"> Determine how consumption may impact the availability of resources. <p><i>Environmental Health</i> 4.3.7B</p> <ul style="list-style-type: none"> Identify land use practices and their relation to environmental health. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7C</p> <ul style="list-style-type: none"> Identify natural or human impacts that cause habitat loss. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> Explain how natural resources and technological changes have affected the development of civilizations. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. Explain how a particular human activity has changed the local area over the years. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7B</p> <ul style="list-style-type: none"> Identify and describe the resources necessary to solve a selected problem in a community and improve the quality of life. 	<p>Geography 7.1.6A <i>Basic Geographic Literacy</i> 7.3.6A, C, D <i>The Human Characteristics of Places and Regions</i> 7.4.6A, B <i>The Interactions Between People and Places</i></p>	<p>Hands-on Listening Discussion Investigation Problem Solving Analyzing Model Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Interpersonal</p>

E/E Standards: 4.8.7C, D, 4.9.7A

S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
We Can Work It Out	<p><i>Humans and the Environment</i> 4.8.7C</p> <ul style="list-style-type: none"> Explain how a particular human activity has changed the local area over the years. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> Explain the role of local and state agencies in enforcing environmental laws and regulations. 	N/A	<p>Geography 7.3.6D <i>The Human Characteristics of Places and Regions</i></p> <p>Civics & Government 5.2.6A, C <i>Rights and Responsibilities of Citizenship</i> 5.3.6A, C, H <i>How Government Works</i></p> <p>Reading, Writing, Speaking and Listening 1.6.8C, D, E <i>Speaking and Listening</i></p>	<p>Listening Discussion Problem Solving Debate Role-play Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.9.4A
S/T Standards: N/A

Project Learning Tree Section: Systems

<p>Democracy in Action</p>	<p><i>Environmental Laws and Regulations</i> 4.9.4A</p> <ul style="list-style-type: none"> • Identify local and state laws and regulations regarding the environment. • Identify and describe the role of a local or state agency that deals with environmental laws and regulations. 	<p>N/A</p>	<p>Civics & Government 5.2.3C, D, E, G <i>Rights and Responsibilities of Citizenship</i> 5.3.6H <i>How Government Works</i></p>	<p>Discussion Brain Storm Problem Solving Research Small Group</p>	<p>Verbal/Linguistic Interpersonal</p>	
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E/E Standards: 4.9.10A

S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
There Ought To Be A Law	<p><i>Environmental Laws and Regulations</i> 4.9.10A</p> <ul style="list-style-type: none"> • Explain the positive and negative impacts associated with passing environmental laws and regulations. • Understand conflicting rights of property owners and environmental laws and regulations. • Analyze the roles that local, state and federal governments play in the development and enforcement of environmental laws. 	N/A	<p>Civics & Government 5.2.9B, C <i>Rights and Responsibilities of Citizenship</i></p>	<p>Discussion Analyzing Problem Solving Art Form Research Large Group Small Group Individual</p>	<p>Verbal/Linguistic Visual/Spatial Interpersonal Intrapersonal</p>

E/E Standards: *Depends on environmental issue being addressed
S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Power of Print	*Depends on environmental issue being addressed.	N/A	Civics & Government 5.3.6J <i>How Government Works</i> Reading, Writing, Speaking and Listening 1.4.8B, C <i>Types of Writing</i>	Writing Research Analyzing Presentation Small Group	Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal

E/E Standards: *Depends on environmental issue chosen for project.
 S/T Standards: N/A

Project Learning Tree Section: Systems

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Publicize It!	*Depends on environmental issue chosen for project.	N/A	Civics & Government 5.2.6C <i>Rights and Responsibilities of Citizenship</i> 5.3.6J <i>How Government Works</i> Reading, Writing, Speaking and Listening 1.4.8B, C <i>Types of Writing</i> 1.8.5A, B, C <i>Research</i>	Discussion Brain Storm Reading Writing Research Small Group	Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal

E/E Standards: 4.7.4A

S/T Standards: 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
The Closer You Look	<i>Threatened, Endangered and Extinct Species</i> 4.7.4A <ul style="list-style-type: none">• Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival.• Identify characteristics that living things inherit from their parents.	<i>Biological Sciences</i> 3.3.4A <ul style="list-style-type: none">• Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat.	Arts & Humanities 9.1.3A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i>	Observation Art Form Classification Individual	Verbal/Linguistic Visual/Spatial Naturalist

E/E Standards: 4.7.4A, B

S/T Standards: 3.1.4A, C, 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>To Be A Tree</p>	<p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. Identify characteristics that living things inherit from their parents. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. 	<p><i>Unifying Themes</i> 3.1.4A</p> <ul style="list-style-type: none"> Identify and describe what parts make up a system. Identify system parts that are natural and human-made (e.g., ball point pen, simple electrical circuits, plant anatomy). <p>3.1.4C</p> <ul style="list-style-type: none"> Identify observable patterns (e.g., growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers). Use knowledge of natural patterns to predict next occurrences (e.g., seasons, leaf patterns, lunar phases). <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. 	<p>Arts & Humanities 9.1.3A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Observation Discussion Role-play Art Form Large Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Musical/Rhythmic Naturalist</p>

E/E Standards: 4.3.4A, C, 4.7.4A, B
S/T Standards: 3.1.4A, B, 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tree Factory	<p><i>Environmental Health</i> 4.3.4A</p> <ul style="list-style-type: none"> Know that all living things need air and water to survive. <p>4.3.4C</p> <ul style="list-style-type: none"> Understand that the components of a system all play a part in a healthy natural system. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Identify characteristics that living things inherit from their parents. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. 	<p><i>Unifying Themes</i> 3.1.4A</p> <ul style="list-style-type: none"> Identify and describe what parts make up a system. Identify system parts that are natural and human-made (e.g., ball point pen, simple electrical circuits, plant anatomy). <p>3.1.4B</p> <ul style="list-style-type: none"> Apply appropriate simple modeling tools and techniques. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. 	<p>Arts & Humanities 9.1.3A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p> <p>Health, Safety & Physical Education 10.4.3A, F <i>Physical Activity</i></p>	<p>Whole-body Art form Model Large Group</p>	<p>Verbal/Linguistic Visual/Spatial Bodily/Kinesthetic Naturalist Interpersonal</p>

E/E Standards: 4.3.4C, 4.6.4A, 4.7.4A

S/T Standards: 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Looking At Leaves	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> Identify some of the organisms that live together in an ecosystem. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Identify and categorize living and nonliving things. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. 	<p>Arts & Humanities 9.1.3A, B Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</p>	<p>Hands-on Art Form Observation Classification Individual Large Group</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist</p>

E/E Standards: 4.3.4C, 4.7.4A
 S/T Standards: 3.1.4A, C. 3.2.4B, 3.3.4A, C,

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Bursting Buds	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> Identify some of the organisms that live together in an ecosystem. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. 	<p><i>Unifying Themes</i> 3.1.4A</p> <ul style="list-style-type: none"> Identify and describe what parts make up a system. Identify system parts that are natural and human-made. <p>3.1.4C</p> <ul style="list-style-type: none"> Use knowledge of natural patterns to predict next occurrences (e.g. seasons, leaf patterns, lunar phases). <p>3.2.4B</p> <ul style="list-style-type: none"> Use observation to develop a descriptive vocabulary. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g. growth, digestion, react to environment). Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. <p>3.3.4C</p> <ul style="list-style-type: none"> Identify characteristics for animal and plant survival in different climates. 	<p>Arts & Humanities 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Observation Writing Art Form Record Data Individual</p>	<p>Verbal/Linguistic Visual/Spatial Naturalist</p>

E/E Standards: 4.6.7A, 4.7.7A, B
S/T Standards: 3.2.7B, 3.3.7A, D, 3.7.7B

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Germinating Giants	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Describe and explain the adaptations of plants and animals to their environment. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7A</p> <ul style="list-style-type: none"> Select an ecosystem and describe different plants and animals that live there. Identify adaptations in plants and animals. <p>4.7.7B</p> <ul style="list-style-type: none"> Explain how an adaptation is an inherited structure or behavior that helps an organism survive and reproduce. 	<p><i>Inquiry and Design</i> 3.2.7B</p> <ul style="list-style-type: none"> Measure materials using a variety of scales. <p><i>Biological Sciences</i> 3.3.7A</p> <ul style="list-style-type: none"> Describe how the structures of living things help them function in unique ways. Account for adaptations among organisms that live in a particular environment. <p>3.3.7D</p> <ul style="list-style-type: none"> Identify adaptations that allow organisms to survive in their environment. <p><i>Technological Devices</i> 3.7.7B</p> <ul style="list-style-type: none"> Select appropriate instruments to measure the size, weight, shape and temperature of living and non-living objects. 	<p>Mathematics 2.3.5A, B <i>Measurement and Estimation</i> 2.2.5E, F <i>Computation and Estimation</i></p>	<p>Hands-on Observation Problem Solving Record Data Research Small Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist</p>

E/E Standards: 4.6.7A, 4.7.7A

S/T Standards: 3.1.7D, 3.2.7B, 3.3.7A, D, 3.7.7B

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>How Big Is Your Tree?</p>	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Describe and explain the adaptations of plants and animals to their environment. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7A</p> <ul style="list-style-type: none"> Select an ecosystem and describe different plants and animals that live there. 	<p><i>Unifying Themes</i> 3.1.7D</p> <ul style="list-style-type: none"> Apply various applications of size and dimensions of scale to scientific, mathematical, and technological applications. <p><i>Inquiry and Design</i> 3.2.7B</p> <ul style="list-style-type: none"> Measure materials using a variety of scales. <p><i>Biological Sciences</i> 3.3.7A</p> <ul style="list-style-type: none"> Describe how the structures of living things help them function in unique ways. Account for adaptations among organisms that live in a particular environment. <p>3.3.7D</p> <ul style="list-style-type: none"> Identify adaptations that allow organisms to survive in their environment. <p><i>Technological Devices</i> 3.7.7B</p> <ul style="list-style-type: none"> Select appropriate instruments to measure the size, weight, shape and temperature of living and non-living objects. 	<p>Mathematics 2.2.8A, B, E, F <i>Computation and Estimation</i> 2.3.8A, D, <i>Measurement and Estimation</i></p>	<p>Observation Analyzing Calculations Record Data Problem Solving Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.3.4C, 4.6.4A, 4.7.4A, B
S/T Standards: 3.1.4A, C, 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Name That Tree</p>	<p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> Understand that the components of a system all play a part in a healthy natural system. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Identify and categorize living and nonliving things. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes and sizes and how these differences relate to their survival. Identify local plants or animals and describe their habitat. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. 	<p><i>Unifying Themes</i> 3.1.4A</p> <ul style="list-style-type: none"> Identify system parts that are natural and human-made (e.g., ball point pen, simple electrical circuits, plant anatomy). <p>3.1.4C</p> <ul style="list-style-type: none"> Identify observable patterns (e.g., growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers). Use knowledge of natural patterns to predict next occurrences (e.g., seasons, leaf patterns, lunar phases). <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to habitat. 	<p>Reading, Writing, Speaking and Listening 1.4.3A <i>Types of Writing</i> Health, Safety & Physical Education 10.4.3A <i>Physical Activity</i></p>	<p>Hands-on Observation Classification Investigation Record Data Research Game Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist</p>

E/E Standards: 4.2.4A, B, C, 4.8.4A, D
S/T Standards: 3.3.4A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Forest For The Trees	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4A</p> <ul style="list-style-type: none"> Identify plants, animals, water, air, minerals and fossil fuels as natural resources. Identify how the environment provides for the needs of people. <p>4.2.4B</p> <ul style="list-style-type: none"> Identify products made from trees. Identify the sources of manmade products (i.e., plastics, metal, aluminum, fabrics, paper, cardboard). <p>4.2.4C</p> <ul style="list-style-type: none"> Identify renewable and nonrenewable resources used in the local community. Identify various means of conserving natural resources. Know that natural resources have varying life spans. <p>4.8.4A</p> <ul style="list-style-type: none"> Explain how a dynamically changing environment provides for sustainability of living systems. Identify several ways that people use natural resources. <p>4.8.4D</p> <ul style="list-style-type: none"> Identify items used in daily life that come from natural resources. Identify ways to conserve our natural resources. Identify major land uses in the community. 	<p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g., growth, digestion, react to environment). Describe basic needs of plants and animals. 	<p>Reading, Writing, Speaking and Listening 1.2.3A <i>Reading Critically in All Content Areas</i> 1.4.3B <i>Types of Writing</i></p>	<p>Whole-body Observation Reading Writing Analyzing Problem Solving Simulation Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist</p>

E/E Standards: 4.4.4C, 4.6.4A

S/T Standards: 3.5.4A, B

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Soil Stories	<p><i>Agriculture and Society</i> 4.4.4C</p> <ul style="list-style-type: none"> Identify what plants and animals need to grow. <p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Identify and categorize living and nonliving things. Identify environmental variables that affect plant growth. Identify common soil textures. 	<p><i>Earth Sciences</i> 3.5.4A</p> <ul style="list-style-type: none"> Identify the composition of soil as weathered rock and decomposed organic remains. <p>3.5.4B</p> <ul style="list-style-type: none"> Identify uses of various earth materials (e.g., buildings, highways, fuels, growing plants) Identify and sort earth materials according to a classification key. 	<p>Mathematics 2.3.5A, C, E <i>Measurement and Estimation</i> 2.6.5A Statistics and Data Analysis 2.7.5D Probability and Predictions Reading, Writing, Speaking and Listening 1.4.5B <i>Types of Writing</i></p>	<p>Hands-on Listening Inquiry Problem Solving Experiment Record data Graph/map Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist</p>

E/E Standards: 4.1.7D, E, 4.8.7D, 4.9.7A

S/T Standards: 3.2.7B, C

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Watch on Wetlands</p>	<p><i>Watersheds and Wetlands</i> 4.1.7D</p> <ul style="list-style-type: none"> Identify specific characteristics of wetland plants and soils. Recognize the common types of plants and animals. Describe different types of wetlands. Describe the different functions of a wetland. <p>4.1.7E</p> <ul style="list-style-type: none"> Explain the impact of watersheds and wetlands in flood control, wildlife habitats and pollution abatement. Explain the influence of flooding on wetlands. <p><i>Humans and the Environment</i> 4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. Define the role of Pennsylvania agencies that deal with natural resources. <p><i>Environmental Laws and Regulations</i> 4.9.7A</p> <ul style="list-style-type: none"> Identify and explain environmental laws and regulations. Explain the role of local and state agencies in enforcing environmental laws and regulations. 	<p><i>Inquiry and Design</i> 3.2.7B</p> <ul style="list-style-type: none"> Measure materials using a variety of scales. Interpret data, formulate models, design models, and produce solutions. <p>3.2.7C</p> <ul style="list-style-type: none"> Generate questions about objects, organisms and/or events that can be answered through scientific investigations. 	<p>Civics and Government 5.2.6A, B, C, E, F <i>Rights and Responsibilities of Citizenship</i> 5.3.6A, C, D, H <i>How Government Works</i></p> <p>Reading, Writing, Speaking and Listening 1.4.8B <i>Types of Writing</i> 1.6.8D, E <i>Speaking and Listening</i></p> <p>Mathematics 2.3.5A, B <i>Measurement and Estimation</i></p>	<p>Reading Writing Investigation Calculations Record Data Graph/Map Debate Role-play Research Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.3.7A, B
 S/T Standards: 3.2.7B, C

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Air We Breathe	<p><i>Environmental Health</i> 4.3.7A</p> <ul style="list-style-type: none"> Identify various examples of long-term pollution and explain their effects on environmental health. Identify diseases that have been associated with poor environmental quality. <p>4.3.7B</p> <ul style="list-style-type: none"> Identify residential and industrial sources of pollution and their effects on environmental health. 	<p><i>Inquiry and Design</i> 3.2.7B</p> <ul style="list-style-type: none"> Design controlled experiments, recognize variables, and manipulate variables. <p>3.2.7C</p> <ul style="list-style-type: none"> Generate questions about objects, organisms and/or events that can be answered through scientific investigations. Design an investigation with limited variables to investigate a question. Communicate appropriate conclusions from the experiment. 	<p>Reading, Writing, Speaking and Listening 1.2.8A <i>Reading Critically in All Content Areas</i> 1.4.8B <i>Types of Writing</i></p>	<p>Reading Writing Hands-on Inquiry Investigation Problem Solving Record Data Experiment Presentation Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist</p>

E/E Standards: 4.2.7A, B, 4.8.7A, C
S/T Standards: 3.2.7D

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Waste Watchers	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> • Identify resources used to provide humans with energy, food, housing and water. • Identify types of minerals and fossil fuels used by humans. <p>4.2.7B</p> <ul style="list-style-type: none"> • Identify renewable resources and describe their uses. • Identify nonrenewable resources and describe their uses. • Identify the waste derived from the use of renewable and nonrenewable resources. • Determine how consumption may impact the availability of resources. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> • Explain how people use natural resources in their environment. <p>4.8.7C</p> <ul style="list-style-type: none"> • Describe what effect consumption and related generation of wastes have on the environment. 	<p><i>Inquiry and Design</i> 3.2.7D</p> <ul style="list-style-type: none"> • Define different types of problems. • Define all aspects of the problem, necessary information and questions that must be answered. • Propose the best solution. • Design and propose alternative methods to achieve solutions. • Apply a solution. • Explain the results, present improvements, identify and infer the impacts of the solution. 	<p>Mathematics 2.2.8A, B <i>Computation and Estimation</i> 2.3.8A, B <i>Measurement and Estimation</i></p>	<p>Inquiry Observation Problem Solving Record Data Calculations Small Group Individual</p>	<p>Verbal/Linguistic Logical/Mathematical</p>

E/E Standards: 4.2.4A, 4.8.4A, B, C, D
 S/T Standards: 3.8.4A, B, C

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>People, Places, Things</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4A</p> <ul style="list-style-type: none"> Identify how the environment provides for the needs of people. <p><i>Humans and the Environment</i> 4.8.4A</p> <ul style="list-style-type: none"> Identify several ways that people use natural resources. <p>4.8.4B</p> <ul style="list-style-type: none"> Identify how regional natural resources influence what people use. <p>4.8.4C</p> <ul style="list-style-type: none"> Identify everyday human activities and how they affect the environment. Identify examples of how human activities within a community affect the natural environment. <p>4.8.4D</p> <ul style="list-style-type: none"> Identify items used in daily life that come from natural resources. Identify major land uses in the community. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.4A</p> <ul style="list-style-type: none"> Identify and describe positive and negative impacts that influence or result from new tools and techniques. Identify how physical technology (e.g., construction, manufacturing, transportation), informational technology and biotechnology are used to meet human needs. Identify interrelationships among technology, people and their world. <p>3.8.4B</p> <ul style="list-style-type: none"> Identify and distinguish between human needs and improving the quality of life. Identify and distinguish between natural and human-made resources. <p>3.8.4C</p> <ul style="list-style-type: none"> Compare the positive and negative, expected and unexpected impacts of technological change. Identify and discuss examples of technological change in the community that have both positive and negative impacts. 	<p>Geography 7.3.3A, B, C, D <i>The Human Characteristics of Places and Regions</i></p>	<p>Observation Discussion Classification Large Group Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial</p>

E/E Standards: 4.2.7A, B, 4.8.7A, B
 S/T Standards: N/A

Project Learning Tree Section: Structure and Scale

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tepee Talk	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> • Identify resources used to provide humans with energy, food, housing and water. • Explain how plants and animals may be classified as natural resources. • Identify fiber and other raw materials used in clothing and shelter production. <p>4.2.7B</p> <ul style="list-style-type: none"> • Identify renewable resources and describe their uses. • Determine how consumption may impact the availability of resources. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> • Explain how people use natural resources in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> • Describe how natural resources are used for survival. 	N/A	<p>Geography 7.3.6A, B, C <i>The Human Characteristics of Places and Regions</i></p>	Reading Writing Discussion Record Data Individual Large Group	Verbal/Linguistic Logical/Mathematical

E/E Standards: 4.6.4A, 4.7.4A, B
S/T Standards: 3.1.4A, C, 3.3.4A, B,C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Tree Cookies</p>	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Describe the basic needs of an organism. Identify basic needs of a plant and an animal and explain how their needs are met. Identify plants and animals with their habitat and food sources. Identify environmental variables that affect plant growth. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.4A</p> <ul style="list-style-type: none"> Explain why plants and animals are different colors, shapes, sizes and how these differences relate to their survival. <p>4.7.4B</p> <ul style="list-style-type: none"> Explain how specific adaptations can help a living organism to survive. Explain what happens to a living thing when its food, water, shelter or space is changed. 	<p><i>Unifying Themes</i> 3.1.4A</p> <ul style="list-style-type: none"> Identify and describe what parts make up a system. Identify system parts that are natural and human-made. <p>3.1.4C</p> <ul style="list-style-type: none"> Identify observable patterns. <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g. growth, digestion, react to environment). Know that some organisms have similar external characteristics (e.g. anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. Describe basic needs of plants and animals. <p>3.3.4B</p> <ul style="list-style-type: none"> Determine how different parts of a living thing work together to make the organism function. <p>3.3.4C</p> <ul style="list-style-type: none"> Identify characteristics for animal and plant survival in different climates. 	<p>Mathematics 2.2.3E <i>Computation and Estimation</i> History 8.1.3A <i>Historical Analysis and Skills Development</i> Arts & Humanities 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Art form Discussion Writing Observation Model Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist</p>

E/E Standards: 4.3.4A, C
 S/T Standards: 3.2.4C, 3.3.4A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Trees in Trouble	Part A: <i>Environmental Health</i> 4.3.4A <ul style="list-style-type: none"> • Identify things that cause sickness when put into the air, water or soil. • Identify different areas where health can be affected by air, water or land pollution. Part B: 4.3.4C <ul style="list-style-type: none"> • Understand that the components of a system all play a part in a healthy natural system. • Identify the effects of a healthy environment on the ecosystem. 	Part B: <i>Inquiry and Design</i> 3.2.4C <ul style="list-style-type: none"> • Generate questions about objects, organisms and/or events that can be answered through scientific investigations. • Design an investigation. • Conduct an experiment. • State a conclusion that is consistent with the information. <i>Biological Sciences</i> 3.3.4A <ul style="list-style-type: none"> • Identify life processes of living things (e.g., growth, digestion, react to environment). • Describe basic needs of plants and animals. 	Reading, Writing, Speaking and Listening 1.4.5B <i>Types of Writing</i> Mathematics 2.3.5A <i>Measurement and Estimation</i> 2.4.5F <i>Mathematical Reasoning and Connections</i> 2.6.5E <i>Statistics and Data Analysis</i>	Hands-on Reading Writing Observation Record Data Problem Solving Experiment Analyzing Research Small Group	Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal

E/E Standards: 4.6.4A, C

S/T Standards: 3.1.4C, 3.3.4A, C, 3.5.4C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Signs of Fall</p>	<p><i>Ecosystems and their Interactions</i> 4.6.4A</p> <ul style="list-style-type: none"> Identify environmental variables that affect plant growth. <p>4.6.4C</p> <ul style="list-style-type: none"> Identify how ecosystems change over time. 	<p><i>Unifying Themes</i> 3.1.4C</p> <ul style="list-style-type: none"> Identify observable patterns (e.g., growth patterns, crystal shapes in minerals, climate, structural patterns in bird feathers). Use knowledge of natural patterns to predict next occurrences (e.g., seasons, leaf patterns, lunar phases). <p><i>Biological Sciences</i> 3.3.4A</p> <ul style="list-style-type: none"> Identify life processes of living things (e.g., growth, digestion, react to environment). <p>3.3.4C</p> <ul style="list-style-type: none"> Identify characteristics for animal and plant survival in different climates. <p><i>Earth Sciences</i> 3.5.4C</p> <ul style="list-style-type: none"> Explain how the different seasons affect plants, animals, food availability and daily human life. 	<p>Reading, Writing, Speaking and Listening 1.4.3B <i>Types of Writing</i></p> <p>Arts and Humanities 9.1.3A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Art form Observation Writing Record Data Demonstration Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.7B

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Tree Lifecycle	<i>Ecosystems and their Interactions</i> 4.6.7B <ul style="list-style-type: none">Identify and explain cycles within an ecosystem.Analyze the role of different cycles within an ecosystem.	N/A	Reading, Writing, Speaking and Listening 1.1.5G <i>Learning to Read Independently</i> 1.4.5B <i>Types of Writing</i> Arts and Humanities 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i>	Art Form Reading Writing Discussion Small Group	Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal

E/E Standards: 4.6.7C

S/T Standards: 3.2.7B

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Nothing Succeeds Like Succession</p>	<p><i>Ecosystems and their Interactions</i> 4.6.7C</p> <ul style="list-style-type: none"> • Explain how ecosystems change. • Identify the succession stages of a given ecosystem. • Explain how specific organisms may change an ecosystem. • Explain a change in an ecosystem that relates to humans. 	<p>Part C: <i>Inquiry and Design</i> 3.2.7B</p> <ul style="list-style-type: none"> • Describe relationships by making inferences and predictions. • Communicate, use space/time relationships, define operationally, raise questions, formulate hypotheses, test and experiment. • Design controlled experiments, recognize variable, and manipulate variables. 	<p>Reading, Writing, Speaking and Listening 1.2.8A <i>Reading Critically in All Content Areas</i> 1.4.8B <i>Types of Writing</i> Mathematics 2.6.5A, E <i>Statistics and Data Analysis</i> Arts and Humanities 9.1.8B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Hands-on Art Form Inquiry Observation Reading Writing Record Data Graph/Map Experiment Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal</p>

E/E Standards: 4.6.7A, C, 4.7.7B, C

S/T Standards: 3.4.7A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Living With Fire	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Demonstrate the dependency of living components in the ecosystem on the nonliving components. <p>4.6.7C</p> <ul style="list-style-type: none"> Explain how ecosystems change. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7B</p> <ul style="list-style-type: none"> Explain how living things respond to changes in their environment. Explain how one species may survive an environmental change while another may not. <p>4.7.7C</p> <ul style="list-style-type: none"> Identify natural or human impacts that cause habitat loss. Explain how habitat loss can affect the interaction among species and the population of a species. Explain how a habitat management practice affects a population. 	<p><i>Physical Science, Chemistry and Physics</i> 3.4.7A</p> <ul style="list-style-type: none"> Describe and conduct experiments that identify chemical and physical properties. Describe reactants and products of simple chemical reactions. 	<p>Mathematics 2.6.5A <i>Statistics and Data Analysis</i> Reading, Writing, Speaking and Listening 1.8.8B <i>Research</i></p>	<p>Demonstration Reading Writing Discussion Graph/Map Research Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7A, B, C, 4.8.7A, C

S/T Standards: 3.6.7A, 3.8.7C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Resource-Go-Round</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Identify types of minerals and fossil fuels used by humans. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Identify nonrenewable resources and describe their uses. Compare finished products to their original raw material. Identify the waste derived from the use of renewable and nonrenewable resources. Determine how consumption may impact the availability of resources. <p>4.2.7C</p> <ul style="list-style-type: none"> Distinguish between readily available and less accessible resources. Identify the locations of different concentrations of fossil fuels and mineral resources. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. Locate and identify natural resources in different parts of the world. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. 	<p><i>Technology Education</i> 3.6.7A</p> <ul style="list-style-type: none"> Identify the environmental, societal and economic impacts that waste has in the environment. <p><i>Science, Technology and Human Endeavors</i> 3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative expected and unexpected effects of specific technological developments. 	<p>Reading, Writing, Speaking and Listening 1.4.5B <i>Types of Writing</i> 1.8.5A, B, C <i>Research</i> Geography 7.1.6A <i>Basic Geographic Literacy</i></p>	<p>Observation Reading Research Analyzing Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical</p>

E/E Standards: 4.2.7B, D

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Reduce, Reuse, Recycle	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7B</p> <ul style="list-style-type: none"> • Identify the waste derived from the use of renewable and nonrenewable resources. <p>4.2.7D</p> <ul style="list-style-type: none"> • Identify materials that can be recycled in the community. • Explain the process of closing the loop in recycling. • Describe methods that could be used to reuse materials for new products. • Evaluate the costs and benefits of disposable products. 	N/A	<p>Mathematics 2.5.8A, B, C, D <i>Mathematical Problem Solving and Communication</i></p> <p>Reading, Writing, Speaking and Listening 1.6.8C <i>Speaking and Listening</i></p> <p>Economics 6.3.9C, E <i>Scarcity and Choice</i></p>	<p>Calculations Research Problem Solving Presentation Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7B, D
 4.8.7A, B, C, D
 S/T Standards: 3.6.7A, 3.8.7A, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
A Peek at Packaging	<p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> Explain how natural resource and technological changes have affected the development of civilizations. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. 	<p><i>Technology Education</i> 3.6.7A</p> <ul style="list-style-type: none"> Identify the environmental, societal and economic impacts that waste has in the environment. Explain the factors that were taken into consideration when a specific object was designed. <p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative expected and unexpected effects of specific technological developments. Describe ways technology extends and enhances human abilities. 	<p>Economics 6.3.6C <i>Scarcity and Choice</i></p>	<p>Observation Classification Analyzing Writing Research Small group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.7A, B, 4.3.7B, 4.6.7C, 4.8.7A, B, C, D

S/T Standards: 3.5.7B, 3.6.7A, 3.8.7A, B, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Air To Drive</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify types of minerals and fossil fuels used by humans. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify nonrenewable resources and describe their uses. Identify the waste derived from the use of renewable and nonrenewable resources. <p><i>Environmental Health</i> 4.3.7B</p> <ul style="list-style-type: none"> Identify residential and industrial sources of pollution and their effects on environmental health. <p><i>Ecosystems and their Interactions</i> 4.6.7C</p> <ul style="list-style-type: none"> Explain how ecosystems change. Explain a change in an ecosystem that relates to humans. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resource in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> Explain how natural resources and technological changes have affected the development of civilization. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wasted have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. Explain how conservation practices have influenced ecosystems. 	<p><i>Earth Sciences</i> 3.5.7B</p> <ul style="list-style-type: none"> Explain the value and uses of different earth resources (e.g., selected minerals, ores, fuel sources, agricultural uses). <p><i>Technology Education</i> 3.6.7A</p> <ul style="list-style-type: none"> Identify the environmental, societal and economic impacts that waste has in the environment. <p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. <p>3.8.7B</p> <ul style="list-style-type: none"> Identify and describe the resources necessary to solve a selected problem in a community and improve the quality of life. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative expected and unexpected effects of specific technological developments. 	<p>Mathematics 2.5.8A, B, C, D <i>Mathematical Problem Solving and Communication</i></p>	<p>Hands-on Inquiry Observation Calculations Record Data Experiment Demonstration Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.6.7A, B, C, 4.7.7B

S/T Standards: 3.1.7A, E

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Our Changing World</p>	<p><i>Ecosystems and their Interactions</i> 4.6.7A</p> <ul style="list-style-type: none"> Identify and explain the characteristics of biotic and abiotic. Demonstrate the dependency of living components in the ecosystem on the nonliving components. Understand limiting factors and predict their effects on an organism. Identify the relationship of abiotic and biotic components and explain their interaction in an ecosystem. <p>4.6.7B</p> <ul style="list-style-type: none"> Identify and explain cycles within an ecosystem. Analyze the role of different cycles within an ecosystem. <p>4.6.7C</p> <ul style="list-style-type: none"> Explain a change in an ecosystem that relates to humans. <p><i>Threatened, Endangered and Extinct Species</i> 4.7.7B</p> <ul style="list-style-type: none"> Explain how living things respond to changes in their environment. Explain how one species may survive an environmental change while another may not. 	<p><i>Unifying Themes</i> 3.1.7A</p> <ul style="list-style-type: none"> Describe a system as a group of related parts that work together to achieve a desired result (e.g. digestive system). Explain the importance of order in a system. <p>3.1.7E</p> <ul style="list-style-type: none"> Describe the effect of making a change in one part of a system on the system as a whole. 	<p>Reading, Writing, Speaking and Listening 1.2.5A <i>Reading Critically in All Content Areas</i></p>	<p>Reading Discussion Game Demonstration Analyzing Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Naturalist Interpersonal</p>

E/E Standards: 4.2.4C, 4.8.7D

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Earth Manners	<i>Renewable and Nonrenewable Resources</i> 4.2.4C <ul style="list-style-type: none">Identify various means of conserving natural resources.Know that natural resources have varying life spans. <i>Humans and the Environment</i> 4.8.7D <ul style="list-style-type: none">Explain human activities and natural events that have affected ecosystems.Explain how conservation practices have influenced ecosystems.	N/A	Arts & Humanities 9.1.3A, B Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts	Discussion Art Form Role-play Valuing Large Group	Verbal/Linguistic Visual/Spatial Interpersonal

E/E Standards: 4.7.7A, B, C

S/T Standards: 3.3.7D

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Life On The Edge</p>	<p><i>Threatened, Endangered and Extinct Species</i> 4.7.7.A</p> <ul style="list-style-type: none"> Select an ecosystem and describe different plants and animals that live there. <p>4.7.7B</p> <ul style="list-style-type: none"> Compare and contrast animals and plants that have very specific requirements with those that have more general requirements for survival. Explain how living things respond to changes in their environment. Explain how one species may survive an environmental change while another might not. <p>4.7.7C</p> <ul style="list-style-type: none"> Identify natural or human impacts that cause habitat loss. Explain how habitat loss can affect the interaction among species and the population of a species. Explain how a habitat management practice affects a population. Explain the differences among threatened, endangered and extinct species. Identify Pennsylvania plants and animals that are on the threatened or endangered list. Describe state laws passed regarding threatened and endangered species in Pennsylvania. Explain why one species may be more susceptible to becoming endangered than another species. 	<p><i>Biological Sciences</i> 3.3.7D</p> <ul style="list-style-type: none"> Identify adaptations that allow organisms to survive in their environment. Describe how an environmental change can affect the survival of organisms and entire species. Know that differences in individuals of the same species may give some advantage in surviving and reproducing. 	<p>Reading, Writing, Speaking and Listening 1.6.8C, D, E, F <i>Speaking and Listening</i> 1.8.8A, B, C <i>Research</i></p>	<p>Reading Writing Simulation Game Research Analyzing Presentation Large Group Small Group</p>	<p>Verbal/Linguistic Naturalist Interpersonal</p>

E/E Standards: 4.2.4B, C, 4.3.4C, 4.8.4C, D

S/T Standards: 3.8.4B, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Trees For Many Reasons</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4B</p> <ul style="list-style-type: none"> • Identify products made from trees. • Identify by-products of plants and animals. • Identify the sources of manmade products (e. g., plastics, metal, aluminum, fabrics, paper, cardboard). <p>4.2.4C</p> <ul style="list-style-type: none"> • Identify various means of conserving natural resources. <p><i>Environmental Health</i> 4.3.4C</p> <ul style="list-style-type: none"> • Understand that the components of a system all play a part in a healthy natural system. <p><i>Humans and the Environment</i> 4.8.4C</p> <ul style="list-style-type: none"> • Identify everyday human activities and how they affect the environment. • Identify examples of how human activities within a community affect the natural environment. <p>4.8.4D</p> <ul style="list-style-type: none"> • Identify items used in daily life that come from natural resources. • Identify ways to conserve our natural resources. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.4B</p> <ul style="list-style-type: none"> • Identify and distinguish between human needs and improving the quality of life. • Identify and distinguish between natural and human-made resources. <p>3.8.4C</p> <ul style="list-style-type: none"> • Describe the positive and negative, expected and unexpected effects of specific technological developments. • Describe ways technology extends and enhances human abilities. 	<p>Language Arts 1.3.5A, B, C <i>Reading, Analyzing and Interpreting Literature</i></p>	<p>Reading Listening Discussion Analyzing Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal Intrapersonal</p>

E/E Standards: 4.8.7A, B

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
The Native Way	<i>Humans and the Environment</i> 4.8.7A <ul style="list-style-type: none">Explain how people use natural resources in their environment.Compare and contrast how people use natural resources throughout the world. 4.8.7B <ul style="list-style-type: none">Describe how natural resources are used for survival.Explain how natural resources and technological changes have affected the development of civilizations.	N/A	Geography 7.3.9A, B, C, E <i>The Human Characteristics of Places and Regions</i> History 8.1.9A, B, C, D <i>Historical Analysis and Skills Development</i> 8.3.9A, B, C, D <i>United States History</i>	Reading Listening Analyzing Discussion Small Group	Verbal/Linguistic Logical/Mathematical Interpersonal

E/E Standards: 4.9.10A

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
In The Good Old Days	<i>Environmental Law and Regulations</i> 4.9.10A <ul style="list-style-type: none">Explain the positive and negative impacts associated with passing environmental laws and regulations.Analyze the roles that local, state and federal governments play in the development and enforcement of environmental laws.	N/A	History 8.1.9A, B, C, D <i>Historical Analysis and Skills Development</i> 8.3.9A, B, C, <i>United States History</i> Reading, Writing, Speaking and Listening 1.1.8A, B, C, D, F, G <i>Learning to Read Independently</i> 1.2.8A, B <i>Reading Critically in all Content Areas</i> 1.6.8C, D, E, F <i>Speaking and Listening</i> 1.8.8A, B, C <i>Research</i>	Reading Writing Listening Discussion Research Presentation	Verbal/Linguistic Interpersonal

E/E Standards: 4.2.7A, B, 4.8.7A, B, C, D

S/T Standards: 3.8.7A, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>A Look At Lifestyles</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. Identify fiber and other raw materials used in clothing and shelter production. <p>4.2.7B</p> <ul style="list-style-type: none"> Identify renewable resources and describe their uses. Identify nonrenewable resources and describe their uses. Compare finished products to their original raw material. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. <p>4.8.7B</p> <ul style="list-style-type: none"> Describe how natural resources are used for survival. Explain how natural resources and technological changes have affected the development of civilizations. <p>4.8.7C</p> <ul style="list-style-type: none"> Describe what effect consumption and related generation of wastes have on the environment. <p>4.8.7D</p> <ul style="list-style-type: none"> Explain how human activities and natural events have affected ecosystems. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative, expected and unexpected effects of specific technological developments. Describe ways technology extends and enhances human abilities. 	<p>Reading, Writing, Speaking and Listening 1.2.5A <i>Reading Critically in All Content Areas</i> 1.4.5B <i>Types of Writing</i> History 8.3.6A, B, C, D <i>History of the United States</i> Geography 7.3.6C <i>The Human Characteristics of Places and Regions</i></p>	<p>Discussion Research Reading Writing Analyzing Role-play Small Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.2.4A, B, D, 4.8.4B, D

S/T Standards: 3.8.7A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Paper Civilizations</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.4A</p> <ul style="list-style-type: none"> Identify plants, animals, water, air, minerals and fossil fuels as natural resources. Identify how the environment provides for the needs of people. <p>4.2.4B</p> <ul style="list-style-type: none"> Identify products made from trees. Identify by-products of plants and animals. Identify the sources of manmade products (e.g., plastics, metal, aluminum, fabrics, paper, cardboard). <p>4.2.4D</p> <ul style="list-style-type: none"> Understand the waste stream. Identify those items that can be recycled and those that can not. Identify use of reusable products. <p><i>Humans and the Environment</i> 4.8.4B</p> <ul style="list-style-type: none"> Identify how regional natural resource influence what people use. <p>4.8.4D</p> <ul style="list-style-type: none"> Identify items used in daily life that come from natural resources. Identify ways to conserve our natural resources. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. Identify and explain improvements in transportation, health, sanitation and communications as a result of advancements in science and technology and how they affect our lives. 	<p>Reading, Writing, Speaking and Listening 1.1.5A, B, C, D <i>Learning to Read Independently</i> 1.6.5A, C, D, E <i>Speaking and Listening</i> History 8.4.6A, C <i>World History</i> Arts and Humanities 9.1.5A, B <i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Reading Discussion Listening Art form Writing Presentation Small Group</p>	<p>Verbal/Linguistic Visual/Spatial Interpersonal</p>

E/E Standards: 4.2.7A, B, 4.8.7A, B

S/T Standards: 3.8.7A, B, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
<p>Where Are The Cedars Of Lebanon?</p>	<p><i>Renewable and Nonrenewable Resources</i> 4.2.7A</p> <ul style="list-style-type: none"> Identify resources used to provide humans with energy, food, housing and water. <p>4.2.7B</p> <ul style="list-style-type: none"> Determine how consumption may impact the availability of resources. <p><i>Humans and the Environment</i> 4.8.7A</p> <ul style="list-style-type: none"> Explain how people use natural resources in their environment. Locate and identify natural resources in different parts of the world. Compare and contrast how people use natural resources throughout the world. <p>4.8.7B</p> <ul style="list-style-type: none"> Explain how natural resources and technological changes have affected the development of civilizations. Explain how climate and extreme weather events (e.g., drought, flood) influence people's lives. 	<p><i>Science, Technology and Human Endeavors</i> 3.8.7A</p> <ul style="list-style-type: none"> Identify changes in society as a result of a technological development. <p>3.8.7B</p> <ul style="list-style-type: none"> Identify interrelationships between systems and resources. <p>3.8.7C</p> <ul style="list-style-type: none"> Describe the positive and negative, expected and unexpected effects of specific technological developments. 	<p>Reading, Writing, Speaking and Listening 1.6.8A, C, D, E <i>Speaking and Listening</i> History 8.4.6C <i>World History</i></p>	<p>Reading Writing Listening Discussion Debate Small Group Large Group</p>	<p>Verbal/Linguistic Logical/Mathematical Interpersonal</p>

E/E Standards: 4.8.4A, C, D

S/T Standards: 3.8.4B, C

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Did You Notice?	<p><i>Humans and the Environment</i></p> <p>4.8.4A</p> <ul style="list-style-type: none"> Explain how a dynamically changing environment provides for sustainability of living systems. <p>4.8.4C</p> <ul style="list-style-type: none"> Identify everyday human activities and how they affect the environment. Identify examples of how human activities within a community affect the natural environment. <p>4.8.4D</p> <ul style="list-style-type: none"> Identify major land uses in the community. 	<p><i>Science, Technology and Human Endeavors</i></p> <p>3.8.4B</p> <ul style="list-style-type: none"> Identify and distinguish between human needs and improving the quality of life. <p>3.8.4C</p> <ul style="list-style-type: none"> Identify and discuss examples of technological change in the community that have both positive and negative impacts. 	<p>History</p> <p>8.1.6A, C, D</p> <p><i>Historical Analysis and Skills Development</i></p> <p>Arts and Humanities</p> <p>9.1.5A, B</p> <p><i>Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts</i></p>	<p>Brain Storm</p> <p>Reading</p> <p>Writing</p> <p>Research</p> <p>Art Form</p> <p>Small Group</p>	<p>Verbal/Linguistic</p> <p>Logical/Mathematical</p> <p>Visual/Spatial</p> <p>Interpersonal</p>

E/E Standards: 4.8.4C

S/T Standards: N/A

Project Learning Tree Section: Patterns of Change

Name of Activity	Environment & Ecology Standards Content	Science & Technology Standards Content	Other Standards Addressed	Teaching Strategies	Multiple Intelligences
Improve Your Place	<i>Humans and the Environment</i> 4.8.4C <ul style="list-style-type: none">Identify everyday human activities and how they affect the environment.Identify examples of how human activities within a community affect the natural environment.	N/A	Mathematics 2.3.5A, B <i>Measurement and Estimation</i> 2.5.5A, B, C, E, F <i>Mathematical Problem Solving and Communication</i>	Hands-on Calculations Graph/Map Research Investigation Problem Solving	Verbal/Linguistic Logical/Mathematical Visual/Spatial Naturalist Interpersonal