

## Course: Science Grade 1

S E P T E M B E R	<b>Environmental Health -</b> Reading Street Unit 1 Lesson 1				
	<b>Content</b>	<b>Skills</b>	<b>Assessments</b>	<b>Reporting Category</b>	<b>Standards</b>
	Life essentials	State what pets need to survive.  Know that all living things need air and water to survive.	<u>Draw picture of pet</u> 9/30/2009  <u>Selection Test</u> 9/1/2009		3.3.1.D ~ Develop an awareness of changes in living things over time.
	<b>Ecosystems and their Interactions -</b> This is being covered at the introductory level through wetlands. (Carries over to October)				
	<b>Content</b>	<b>Skills</b>	<b>Assessments</b>	<b>Reporting Category</b>	<b>Standards</b>
	Basic needs of plants and animals	Identify what plants and animals need from the environment for survival.	<u>Oral discussion</u> 9/30/2009  <u>Selection Test</u> 9/1/2009		3.1.3.A.2 ~ Describe the basic needs of living things and their dependence on light, food, air, water, and shelter.
	<b>Threatened, Endangered and Extinct Species -</b> (Introduced and revisited September - May in Reading and Math)				
	<b>Content</b>	<b>Skills</b>	<b>Assessments</b>	<b>Reporting Category</b>	<b>Standards</b>
	Color, Shape, and size differences	Sorting	<u>Sorting Games</u> 9/1/2009  <u>Selection Test</u> 9/1/2009		4.6.4.C ~ Identify how ecosystems change over time.

		9/1/2009		
<b>Renewable and Nonrenewable Resources -</b> School-Wide Recycling Project runs throughout the year				
Content	Skills	Assessments	Reporting Category	Standards
Waste stream	Understand the waste stream	<u>Discussion - 01</u> 9/30/2009		4.8.4.C ~ Explain how human activities may change the environment.
Recycling	Identify items that can be recycled and those that can not.	<u>Posters</u> 9/30/2009		3.4.3.B.2 ~ Explain how materials are re-used or recycled.
Compost, Landfills and incinerators.	Identify the use of compost, landfills and incinerators.	<u>Graphic organizers</u> 9/30/2009		4.8.4.C ~ Explain how human activities may change the environment.
<b>Animal Habitats -</b> Reading Street Unit 1 Week 4				
Content	Skills	Assessments	Reporting Category	Standards
Animal Habitats  Animals care for themselves.	Describe what we can	<u>Match pictures of babv animals</u>		3.1.3.A.2 ~ Describe the basic needs of living things and their dependence on light, food, air, water, and shelter.

	healthy.	Test 9/1/2009		
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**Environmental** Year long Recycling program. Refer to Earth Day Activities ( April )  
**Laws and Regulations -**

Content	Skills	Assessments	Reporting Category	Standards
State and Local Laws	Know that there are local and state laws regarding plants and animals.	<u>Class discussion, oral responses</u> 9/1/2009		4.9.4.A ~ Know that there are laws and regulations for the environment.

**Inquiry and Habits of Mind -** **Fact / Opinion** addressed throughout entire school year. **Predictions:** Reading Street Unit 5 Week 3 **Measurement:** addressed through Mathematics lessons throughout the year.

Content	Skills	Assessments	Reporting Category	Standards
Fact and Opinion  Predictions  Measurement Tools	Distinguish between fact and opinion.  Make predictions based on observations  Identify appropriate tools or instruments for specific tasks, and describe the information they provide and making observations	<u>Class discussion, oral responses</u> 9/1/2009  <u>Measure It</u> 9/1/2009	The Nature of Science	

**Diversity of Life -** Skeleton System, Circulatory and Respiratory Systems: Addressed in Health Class

Content	Skills	Assessments	Reporting Category	Standards
Similarities and differences	Classify living things based on their similarities and differences.  Describe how plants and animals go through life cycles.  Identify and describe plant and animal characteristics that are necessary for survival.		Life Sciences	
Life Cycles				
Plant and animal survival				

**Interdependence of Life -** Refer to **Environmental Health** and **Ecosystems and their Interactions** in September

Content	Skills	Assessments	Reporting Category	Standards
Plant and Animal Needs	Describe the basic needs Describe what happens to an animal when its habitat is changed.	<u>Class discussion, oral responses</u> 9/1/2009	Life Sciences	

	ecosystem.  Describe what happens to an animal when its habitat is changed.			
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O C T O B E R	<b>Animal Needs and Habitats -</b> Unit 1 Weeks 5 and 6			
	<b>Content</b>	<b>Skills</b>	<b>Assessments</b>	<b>Reporting Category</b>
	Animal needs and habitats	Identify wild animals and birds in the area.	<u>Create a mural that shows the habitat of the animals that live in their neighborhood.</u> 10/31/2009  <u>Selection Test</u> 10/1/2009	3.1.3.A.2 ~ Describe the basic needs of living things and their dependence on light, food, air, water, and shelter.

N O V E M B E R	<b>Ecosystems and the Interactions -</b> Reading Street Unit 2 Week 5			
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D E C E M B E R		state laws regarding plants and animals.			animals and plants.  4.9.4.A ~ Know that there are laws and regulations for the environment.
	<b>Threatened, Endangered and Extinct Species -</b> Reading Street Unit 2 Week 4				
	<b>Content</b>	<b>Skills</b>	<b>Assessments</b>	<b>Reporting Category</b>	<b>Standards</b>
	The Big Circle - Dinosaurs	Explain how animals work together to survive.  Identify plants and animals that are extinct.  Explain why some plants and animals are extinct.	<u>Retelling Cards - 02</u> 12/31/2009  <u>Class discussion, oral responses</u> 12/1/2009  <u>Selection Test</u> 12/1/2009		4.6.4.C ~ Identify how ecosystems change over time.  4.7.4.C ~ Define and understand extinction.
	<b>Agriculture and Society -</b> Reading Street Unit 2 Week 6				

**Ecosystems and their Interactions -** Reading Street Unit 3 Week 4

Content	Skills	Assessments	Reporting Category	Standards
Frog and Toad	Describe how animals interact with plants to meet their needs for shelter.	<u>Selection Test</u> 12/1/2009		4.1.4.C ~ Identify living things found in water environments.

**Humans and the Environment -** Reading Street Unit 2 Week 6

Content	Skills	Assessments	Reporting Category	Standards
Honey Bees	Identify everyday human activities and how they affect the environment.  Identify examples of how human activities within a community affect the natural environment.	<u>Class discussion, oral responses</u> 3/1/2010  <u>Discussion</u> 3/31/2010  <u>Selection Test</u> 3/1/2010		4.3.4.B ~ Identify how human actions affect environmental health.

**Ecosystems and their Interactions -** Reading Street Unit 3 Week 4

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Y	Content	Skills	Assessments	Reporting Category	Standards
	Ecosystem	Identify some of the organisms that live together in an ecosystem.	<u>Retelling Cards - 02</u> 12/31/2009  <u>Selection Test</u> 1/1/2010		4.1.4.C ~ Identify living things found in water environments.  4.6.4.B ~ Understand the concept of cycles.
	<b>Wetlands and Watersheds -</b> Reading Street Unit 3 Lesson 4				
	Content	Skills	Assessments	Reporting Category	Standards
	Freshwater fish, insects and amphibians	Identify fish, insects, and amphibians that are found in fresh water.	<u>Retelling Cards - 01</u> 1/31/2010  <u>Selection Test</u> 1/1/2010		4.1.4.C ~ Identify living things found in water environments.
	<b>Humans and the Environment -</b> Reading Street Unit 3 Week 3				
	Content	Skills	Assessments	Reporting Category	Standards
	Conservation Community Maps	Identify ways to conserve our natural resources.  Identify major land uses in the community.	<u>Map or diorama</u> 1/1/2010		3.4.3.A.1 ~ Identify how the natural made world and the human made world are different.  4.8.4.B ~ Know that environmental conditions influence where and how people live.
	<b>Systems,</b> Reading Street Unit 3 Week 3.... Refer to Humans and the Environment (January)				



**Patterns,  
and  
Models -**

Content	Skills	Assessments	Reporting Category	Standards
Community Maps	Identify what models represent.	<u>Map or diorama</u> 1/1/2010	The Nature of Science	

**Matter -** Addressed throughout the year in mathematics

Content	Skills	Assessments	Reporting Category	Standards
Geometry	Describe matter in terms of its observable properties.  Classify matter using observable physical properties.	<u>Topic Test</u> 1/1/2010  <u>Observation</u> 1/1/2010	Physical Sciences	

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**Threatened,  
Endangered,  
and Extinct  
Species -**

Reading Streets Unit 3 Week 5 and Unit 4 Lesson 3

	different colors, shapes and sizes and how these differences relate to their survival.	2/1/2010		things are dependent on nonliving things in the environment for survival.  4.6.4.C ~ Identify how ecosystems change over time.
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### **Ecosystems and their Interactions -** Reading Street Unit 3 Week 6

Content	Skills	Assessments	Reporting Category	Standards
Changing Ecosystems	Identify how ecosystems change over time. - Seasons	<u>Class discussion, oral responses</u> 2/28/2010		3.3.1.D ~ Develop an awareness of changes in living things over time.

### **Humans and the Environment -** Refer to 4.6.4 Reading Street Unit 3 Week 6

Content	Skills	Assessments	Reporting Category	Standards
Changing Environments and sustainability of living systems				

### **Earth -** Reading Street Unit 3 Week 4

Content	Skills	Assessments	Reporting Category	Standards
Weather	Recognize that clouds	<u>Class discussion,</u>	Earth & Space	

	have different characteristics that relate to different weather conditions.	<u>oral responses</u> 2/28/2010	Sciences	
	Describe how weather variables (i.e., temperature, wind speed, wind direction, and precipitation) are observed and measured.	<u>Retelling Cards</u> 2/1/2010		
	Describe how Earth rotates on its axis once every 24 hours giving rise to the cycle of night and day.	<u>Selection Test</u> 2/1/2010		

M A R C H	<b>Threatened or Endangered Species -</b>	Reading Street Unit 4 Weeks 3 and 5

	<p>animals.</p> <p>Identify characteristics that living things inherit from their parents.</p> <p>Explain how specific adaptations can help a living organism to survive.</p> <p>Explain what happens to a living thing when its food, water, shelter or space is changed.</p>			<p>4.7.4.C ~ Define and understand extinction.</p>
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**Ecosystems and their Interactions -** Reading Street Unit 4 Week 4

Content	Skills	Assessments	Reporting Category	Standards
Seasons	Identify how ecosystems change over time/seasons	<p><u>Class discussion, oral responses</u> 3/1/2010</p> <p><u>Retelling Cards</u> 3/1/2010</p> <p><u>Selection Test</u> 3/1/2010</p>		<p>3.5.1.C ~ Develop an awareness of basic seasonal weather patterns.</p>

**Humans and the** Reading Street Unit 4 Week 3

## Environment -

Content	Skills	Assessments	Reporting Category	Standards
Human Activities and the Environment	<p>Identify everyday human activities and how they affect the environment.</p> <p>Identify examples of how human activities within a community affect the natural environment.</p>	<p><u>Class discussion, oral responses</u> 3/1/2010</p>		4.3.4.B ~ Identify how human actions affect environmental health.

## The Universe -

Reading Street Unit 4 Week 4

Content	Skills	Assessments	Reporting Category	Standards
The Moon	Describe the predictable patterns of change that occur over time in the observable shape of the moon.	<p><u>Class discussion, oral responses</u> 3/1/2010</p> <p><u>Retelling Cards</u> 3/31/2010</p> <p><u>Selection Test</u> 3/31/2010</p>	Earth & Space Sciences	

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**Environmental Health -** Year long recycling program and Earth Day

L	Content	Skills	Assessments	Reporting Category	Standards
	Litter and the Environment	Identify litter and its effect on the environment.	<u>Posters - 01</u> 4/30/2010		3.4.3.B.2 ~ Explain how materials are re-used or recycled.
	Pollution		<u>Observation</u> 4/1/2010		
	By-products and natural resources	Identify actions that can prevent or reduce waste pollution	<u>Daily recycling</u> 4/1/2010		
	Conservation	Understand the waste stream.			
		Identify those items that can be recycled and those that cannot			
		Identify use of reusable products.			
		Identify the use of compost, landfills and incinerators.			

**Integrated Pest Management -** Reading Street Unit 5 Week 2

Content	Skills	Assessments	Reporting Category	Standards
Pests	Identify classifications	<u>Discussion / Observations</u> 10/31/2009		4.5.4.A ~ Know types of pests.

	food chain.			
Pest Control	Explain why people control pests and different methods used to control pests.	Posters - 02 10/31/2009		4.5.4.C ~ Understand society's need for integrated pest management.
Integrated Pest Control Management	Identify integrated pest management practices inside and outside of the home.  Know reasons why people control pests.	Discussion - 02 10/31/2009		4.5.4.C ~ Understand society's need for integrated pest management.
<b>Environmental Laws and Regulations -</b> Earth Day				
Content	Skills	Assessments	Reporting Category	Standards
Recycling laws	Explain how the recycling law impacts the school and home.	Class discussion 4/30/2010		4.9.4.A ~ Know that there are laws and regulations for the environment.
<b>Ecosystems and their Interactions -</b> Reading Street Unit 5 Week 3				
Content	Skills	Assessments	Reporting Category	Standards

	Local Ecosystems	Identify a local ecosystem and its living and nonliving components.	<u>Discussion - 02</u> 4/30/2010		4.6.4.A ~ Understand that living things are dependent on nonliving things in the environment for survival.
			<u>Retelling Cards</u> 4/1/2010		
		Identify animals that live underground.	<u>Selection Test</u> 4/1/2010		

**Matter** - Reading Street Unit 5 Week 3

Content	Skills	Assessments	Reporting Category	Standards
Water Cycle	Recognize and identify how water goes through phase changes.	<u>Posters - 02</u> 4/30/2010  <u>Discussion - 02</u> 4/30/2010	Physical Sciences	

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**Advancement in Science** Reading Street Unit 5 Week 5



Content	Skills	Assessments	Reporting Category	Standards
Forms and sources of energy	Identify basic forms and sources of energy.	<u>Class discussion.</u> <u>oral responses</u> 5/1/2010	Physical Sciences	
<b>Force and Motion -</b> Reading Street Unit 5 Week 4				
Content	Skills	Assessments	Reporting Category	Standards
Force and Motion	Identify and describe an object's motion.  Describe an object's position in terms of its relationship to another object or stationary background.  Describe the position of an object by locating it relative to another object or the background.	<u>Class discussion.</u> <u>oral responses</u> 5/1/2010	Physical Sciences	