

# First Grade – Animals All Around (07/07/09)

**Vocabulary:** amphibians, attributes, birds, dinosaur, environment, extinct, feathers, gills, habitats, life cycle, living, lungs, mammals, manmade, non-living, offspring, patterns, reptiles, salt water, scales, senses, survival

*K Vocabulary: air, alive, amphibians, animal features, birds, egg, feathers, food, fur, gills, growth, lungs, mammals, not-alive, parent, patterns, quills, reptiles, scales, senses, shape, size, water*

## Embedded Inquiry

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓0107.Inq.1 Use senses and simple tools to make observations
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## Embedded Technology & Engineering

GLE 0107.T/E.1 Recognize that both natural materials and human-made tools have specific characteristics that determine their use	✓ 0107.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems
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## LIFE Science

### 1. Cells

GLE 0107.1.1 Recognize that living things have parts that work together	✓0107.1.1 Combine pictures of major body parts to assemble a complete animal ( <i>pre-visit information</i> )
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## LIFE Science

### 2. Interdependence

GLE 0107.2.1 Distinguish between living and non-living things in an environment	✓0107.2.1 Identify basic characteristics of living things
	✓0107.2.3 Classify variety of living, non-living materials based on characteristics

## LIFE Science

### 3. Flow of Matter & Energy

GLE 0107.3.1 Recognize that plants and animals grow and change over time	
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## LIFE Science

### 4. Heredity

GLE 0107.4.1 Observe and illustrate the life cycle of animals	
GLE 0107.4.2 Describe ways in which animals closely resemble their parents	✓ 0107.4.2 Match pictures of parents and offspring by identifying common characteristics ( <i>pre-visit information</i> )

## LIFE Science

### 5. Biodiversity and Change

GLE 0107.5.1 Investigate how plants and animals can be grouped according to their habitats	✓ 0107.5.2 Create a chart of different habitats and match animals to specific locations ( <i>post-visit information</i> )
GLE 0107.5.2 Recognize that some organisms which formerly lived are no longer found on earth	✓0107.5.3 Sort pictures or illustrations of animals into groups that are extinct and those that still exist and offer possible explanations for extinction ( <i>post-visit information</i> )

<b>First Grade – Animals All Around cont.</b>	
<b>MATH</b>	
<b>5. Data, Probability and Statistics</b>	
GLE 0106.5.1 Use various representations to display and compare data	✓ 0106.5.1 Represent measurements and discrete data using concrete objects, picture graphs, and bar graphs
	✓ 0106.5.2 Represent data in both horizontal and vertical form

<b>First Grade – Festival of Holiday Trees (07/07/09)</b>	
<b>Vocabulary:</b> America, citizen, community, country, flag, globe, map, past	
<i>K Vocabulary: family, holiday, seasons</i>	
<b>Embedded Inquiry</b>	
GLE0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓ 0107.Inq.1 Use senses and simple tools to make observations
<b>PHYSICAL Science</b>	
<b>9. Matter</b>	
GLE 0007.9.1 – Describe an object by its observable properties	✓007.9.1 Observe, identify, and compare the properties, of various objects such as color, shape, and size
<b>Social Studies</b>	
<b>Culture</b>	
1.1.01 Discuss cultures and human patterns of places and regions of the world	1.1.01.a Recognize that culture is learned behavior that includes customs, beliefs, rules, life ways, language, food, and clothing 1.1.01.b Recognize that people learn customs from their culture
1.1.03 Recognize the contributions that individuals and people of various ethnic, racial, religious, and socioeconomic groups have made to the development of civilizations	1.1.03.b Retell stories from diversely selected folktales, myths, and legends
<b>Social Studies</b>	
<b>Geography</b>	
1.3.01 Understand how to use maps, globes, and other geographic representations, tools, and technologies to acquire, process and report information from a spatial perspective	1.3.01.a Recognize that maps and globes are representations or models of specific places
1.3.02 Recognize how to identify and locate major physical and political features on maps and globes	1.3.02.a Define what cardinal directions are 1.3.02.b Locate places using cardinal directions on maps and globes 1.3.02.c Locate ...countries and continents on maps and globes and ...

# First Grade – KidsBuild KEVA – Museum to Go only (07/01/09)

**Vocabulary:** balance, earth gravity, guess/estimate, position, prediction

*K Vocabulary: above, behind, below, in front, left, rectangle, right, shape, under*

## Embedded Inquiry

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓ 0107.Inq.1 Use senses and simple tools to make observations
GLE 0107.Inq.2 Ask questions, make logical predictions, plan, investigations, and represent data	✓ 0107.Inq.3 Communicate understanding of simple data using age-appropriate vocabulary
GLE 0107.Inq.3 Explain the data from an investigation	

## Embedded Technology & Engineering

GLE 0107.T/E.2 Apply engineering design and creative thinking to solve practical problems	✓ 0107.T/E.2 Invent designs for simple products
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## PHYSICAL Science

### 9. Matter

GLE 0007.9.1 – Describe an object by its observable properties	
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## MATH

### 3. Algebra

GLE 0006.3.2 Recognize attributes (color, size, shape) and patterns (bilateral symmetry)	
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## **First Grade – Pebble Puppies (06/19/09)**

**Vocabulary:** color, freezing, heavy, hardness, light, liquid, magnet, natural resources, measure, predict, recycle, shape, size, solid, texture

*K Vocabulary: fossils, mineral, resources, rock, shape, size, soil, sorting, pebble*

### **Embedded Inquiry**

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓0107.Inq.1 Use senses and simple tools to make observations
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### **Embedded Technology & Engineering**

GLE 0107.T/E.1. Recognize that both natural materials and human-made tools have specific characteristics that determine their use	✓ 0107.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems
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### **LIFE Science**

#### **1. Interdependence**

GLE 0107.2.1 Distinguish between living and non-living things in an environment	✓0107.2.1 Identify basic characteristics of living things
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### **LIFE Science**

#### **5. Biodiversity**

GLE 0107.5.2 Recognize that some organisms which formerly lived are no longer found on earth	✓0107.5.3 Sort pictures or illustrations of animals into groups that are extinct and those that still exist and offer possible explanations for extinction
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### **EARTH and SPACE Science**

#### **7. The Earth**

GLE 0107.7.1 ID Realize water, rocks, soil, living organisms, and man-made objects make up the earth's surface	
GLE 0107.7.2 Classify earth materials according to their physical properties	✓107.7.3 Use bagged samples of earth materials or pictures from different areas to classify materials according to their use

### **PHYSICAL Science**

#### **9. Matter**

GLE 0107.9.1 Classify objects according to their physical properties	✓0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to changes shape, magnetic attraction, whether they sink or float, and use
GLE 0107.9.3 Predict the changes that may occur when different materials are mixed	✓0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, water and salt

# First Grade – Pebble Puppies – cont.

## PHYSICAL Science

### 12. Forces in Nature

GLE 0107.12.1. Investigate materials that are attracted to magnets	✓0107.12.1 Identify and classify objects in the classroom as magnetic or non-magnetic ✓0107.12.2 Make predictions about how various objects will be affected by a magnet
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## MATH

### 1. Mathematical Processes

	✓ 0106.1.6 Recognize scales as a way to measure weight
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## MATH

### 4. Geometry and Measurement

GLE 0106.4.1 Recognize, describe, draw geometric figures	
GLE 0106.4.3 Use non-standard units in linear measurement	✓ Understand and use comparative words such as long, longer, longest; short, shorter, shortest; tall, taller, tallest; high, higher, highest

## MATH

### 5. Data, Probability and Statistics

GLE 0106.5.1 Use various representations to display and compare data	✓ 0106.5.1 Represent measurements and discrete data using concrete objects, picture graphs, and bar graphs
	✓ 0106.5.2 Represent data in both horizontal and vertical form

# First Grade – Splash, Flash, Crank, Slide, Alive (07/09/09)

**Vocabulary:** dinosaur, earth gravity, environment, heat, greater than, light, liquid, ocean, salt water

*Vocabulary: air, amphibians, animal features, bird, egg, feathers, food, fossils, fur, gills, growth, living, lungs, mammals, non-living, offspring, parent, patterns, quills, reptiles, scales, senses, shape, size, survival, water*

## Embedded Inquiry

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓0107.Inq.1 Use senses and simple tools to make observations
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## LIFE Science

### 2. Interdependence

GLE 0107.2.1 Distinguish between living and non-living things in an environment	✓0107.2.1 Identify basic characteristics of living things ✓0107.2.3 Classify variety of living, non-living materials based on characteristics
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## LIFE Science

### 3. Flow of Matter & Energy

GLE 0107.3.1 Recognize that plants and animals grow and change over time	
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## LIFE Science

### 4. Heredity

GLE 0107.4.1 Observe and illustrate the life cycle of animals	
GLE 0107.4.2 Describe ways in which animals closely resemble their parents	✓ 0107.4.2 Match pictures of parents and offspring by identifying common characteristics

## LIFE Science

### 5. Biodiversity and Change

GLE 0107.5.1 Investigate how plants and animals can be grouped according to their habitats	✓ 0107.5.2 Create a chart of different habitats and match animals to specific locations
GLE 0107.5.2 Recognize that some organisms which formerly lived are no longer found on earth	✓0107.5.3 Sort pictures or illustrations of animals into groups that are extinct and those that still exist and offer possible explanations for extinction

## EARTH and SPACE Science

### 6. The Universe

GLE 0107.6.1 Compare/describe features of day and night sky	✓0107.6.1 Create a chart of things that can be observed in the day and night sky
GLE 0107.6.2 Realize that the sun can only be seen during the day, while the moon can be seen at night and sometimes during the day	

# First Grade – Splash, Flash, Crank, Slide, Alive – cont.

## EARTH and SPACE Science

### 7. The Earth

GLE 0107.7.1 ID Realize water, rocks, soil, living organisms, and man-made objects make up the earth's surface

## PHYSICAL Science

### 9. Matter

GLE 0107.9.1 Classify objects according to their physical properties

✓0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to changes shape, magnetic attraction, whether they sink or float, and use

GLE 0107.9.2 Distinguish between the properties of solids and liquids

GLE 0107.9.3 Predict the changes that may occur when different materials are mixed

✓0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, water and salt

## PHYSICAL Science

### 10. Energy

GLE 0107.10.1 Investigate the effect of the sun on land, water, and air

✓0107.10.3 Compare the temperature at different places around

## PHYSICAL Science

### 11. Motion

GLE 0107.11.1 Investigate how forces (push/pull) can move an object or change its direction

✓0107.11.1 Use familiar objects to explore how movement can be changed

✓0107.11.2 Investigate and explain how different surfaces affect the movement of an object

## MATH

### 1. Mathematical Processes

✓ 0106.1.5 Use a thermometer to measure temperature  
✓ 0106.1.6 Recognize scales as a way to measure weight

## MATH

### 2. Number and Operations

✓ 0106.2.4 Skip count by twos, fives, tens  
✓Count to 20 by twos

## MATH

### 4. Geometry and Measurement

GLE 0106.4.1 Recognize, describe, draw geometric figures

GLE 0106.4.3 Use non-standard units in linear measurement

✓ Understand and use comparative words such as long, longer, longest; short, shorter, shortest; tall, taller, tallest; high, higher, highest

# First Grade – Splash, Flash, Crank, Slide, Alive – cont.

## MATH

### 5. Data, Probability and Statistics

GLE 0106.5.1 Use various representations to display and compare data

✓ 0106.5.1 Represent measurements and discrete data using concrete objects, picture graphs, and bar graphs

✓ 0106.5.2 Represent data in both horizontal and vertical form

# First Grade – Tennessee Ties and Cherokee Nation (07/09/09)

**Vocabulary:** Cherokee Nation, chief, clans, community/village , natural resources, respect, Trail of Tears

## CULTURE

1.01 Understand the diversity of human culture	a. Recognize that culture is learned behavior that includes customs, beliefs, rules, life ways, language, food and clothing c. Explain the culture of the (Cherokee) family and community d. Recognize people use diver languages to communicate with one another
1.1.03 Recognize the contributions of individuals and people of various ethnic, racial, religious, and socioeconomic groups to the development of civilizations	b. Retell stories from diversely selected folktales, myths, and legends

## ECONOMICS

2.01 Describe the potential costs and benefits of personal economic choices in a market economy	c. Identify how people exchange goods and services
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## GEOGRAPHY

3.01 Understand how to use maps, globes, and other geographic representations, tools, and technologies to acquire, process and report information from a spatial perspective	a. Recognize that maps and globes are representatives or models of specific places
3.02 Recognize how to identify and locate major physical and political features on maps and globes	a. Define what cardinal directions are f. Identify the geographic location of the United States and Tennessee on a globe and a map
3.03 Demonstrate awareness of the interaction between human and physical systems around the world	b. Define natural resources and explain how people are dependent on them

## GOVERNANCE and CIVICS

4.01 Discuss the purposes of governance	b. Categorize rules and laws we follow as members of a family, school and community
4.03 Describe the rights, responsibilities, and privileges of citizens living in a democratic society	e. Recognize family and school rules as compared with those from another culture
4.04 Recognize the knowledge, skills, and attitudes necessary to become contributing citizens	b. Understand that voting is a way of making choices and decisions

## HISTORY

5.01 Identify major events, people, and patterns in Tennessee, United States, and world history	c. Identify contributions of diverse historical figures that have influenced the community, state, and nation
5.02 Understand the place of historical events in the context of past, present and future	a. Distinguish between the past, present and future b. Recognize major events in American history

## Individuals, Groups and Interactions

6.02 Recognize how groups can impact change at the local, stat, national and world levels	b. Give examples of the tension between the wants and needs of individuals, and groups, and concepts such as fairness, equity and justice
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## **First Grade – Wetland Wonders (07/09/09)**

**Vocabulary:** heat, light, liquid, shelter, solid, temperature, weather patterns (seasonal)

*K Vocabulary: air, alive, amphibians, animal features, birds, egg, feathers, food, fur, gills, growth, living, lungs, mammals, not-alive, offspring, parent, patterns, quills, reptiles, scales, senses, shape, size, survival, water*

### **Embedded Inquiry**

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓0107.Inq.1 Use senses and simple tools to make observations
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### **LIFE Science**

#### **2. Interdependence**

GLE 0107.2.1 Distinguish between living and non-living things in an environment	✓0107.2.1 Identify basic characteristics of living things ✓0107.2.3 Classify variety of living, non-living materials based on characteristics
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### **LIFE Science**

#### **3. Flow of Matter & Energy**

GLE 0107.3.1 Recognize that plants and animals grow and change over time	
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### **LIFE Science**

#### **4. Heredity**

GLE 0107.4.1 Observe and illustrate the life cycle of animals	
GLE 0107.4.2 Describe ways in which animals closely resemble their parents	✓ 0107.4.2 Match pictures of parents and offspring by identifying common characteristics

### **LIFE Science**

#### **5. Biodiversity and Change**

GLE 0107.5.1 Investigate how plants and animals can be grouped according to their habitats	✓ 0107.5.2 Create a chart of different habitats and match animals to specific locations
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### **EARTH and SPACE Science**

#### **6. The Universe**

GLE 0107.6.2 Realize that the sun can only be seen during the day, while the moon can be seen at night and sometimes during the day	
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### **EARTH and SPACE Science**

#### **7. The Earth**

GLE 0107.7.1 ID Realize water, rocks, soil, living organisms, and man-made objects make up the earth's surface	
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# First Grade – Wetland Wonders – cont.

## PHYSICAL Science

### 9. Matter

GLE 0107.9.1 Classify objects according to their physical properties	✓0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to changes shape, magnetic attraction, whether they sink or float, and use
GLE 0107.9.2 Distinguish between the properties of solids and liquids	
GLE 0107.9.3 Predict the changes that may occur when different materials are mixed	✓0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, water and salt

## PHYSICAL Science

### 10. Energy

GLE 0107.10.1 Investigate the effect of the sun on land, water, and air	✓0107.10.3 Compare the temperature at different places around
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## MATH

### 1. Mathematical Processes

	✓ 0106.1.5 Use a thermometer to measure temperature
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## MATH

### 4. Geometry and Measurement

GLE 0106.4.1 Recognize, describe, draw geometric figures	
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## MATH

### 5. Data, Probability and Statistics

GLE 0106.5.1 Use various representations to display and compare data	✓ 0106.5.1 Represent measurements and discrete data using concrete objects, picture graphs, and bar graphs ✓ 0106.5.2 Represent data in both horizontal and vertical form
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## **First Grade – Zip and Zoom (07/09/09)**

**Vocabulary:** backward, balance, between, direction, earth gravity, forward, light (energy), prediction, pulling, pushing

*K Vocabulary: above, behind, friction, gravity, in front, inside, left, outside, pull, push, right, shape, size, under*

### **Embedded Inquiry**

GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools	✓0107.Inq.1 Use senses and simple tools to make observations
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### **Embedded Technology & Engineering**

GLE 0107.T/E.1. Recognize that both natural materials and human-made tools have specific characteristics that determine their use	✓ 0107.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems
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### **EARTH and SPACE Science**

#### **7. The Earth**

GLE 0107.7.2 Classify earth materials according to their physical properties	
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### **PHYSICAL Science**

#### **9. Matter**

GLE 0107.9.1 Classify objects according to their physical properties	✓0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to changes shape, magnetic attraction, whether they sink or float, and use
GLE 0107.9.2 Distinguish between the properties of solids and liquids	✓0107.9.2 Compare liquids according to their color, ability to flow, solubility in water, and use
GLE 0107.9.3 Predict the changes that may occur when different materials are mixed	✓0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, water and salt

### **PHYSICAL Science**

#### **11. Motion**

GLE 0107.11.1 Investigate forces (push/pull) that can move an object or change its direction	✓0107.11.1 Use familiar objects to explore how movement can be changed
	✓0107.11.2 Investigate and explain how different surfaces affect the movement of an object

### **PHYSICAL Science**

#### **12. Forces in Nature**

GLE 0107.12.1. Investigate materials that are attracted to magnets	✓0107.12.1 Identify and classify objects in the classroom as magnetic or non-magnetic ✓0107.12.2 Make predictions about how various objects will be affected by a magnet ✓ 0107.12.2 Make predictions about how various objects will be affected by a magnet
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# First Grade – Zip and Zoom – cont.

## MATH

### 1. Mathematical Processes

	✓ 0106.1.6 Recognize scales as a way to measure weight
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## MATH

### 2. Numbers and Operations

	✓ 0106.2.4 Skip count by twos, fives, tens
	✓ Count to 20 by twos

## MATH

### 4. Geometry and Measurement

GLE 0106.4.3 Use non-standard units in linear measurement	✓ Understand and use comparative words such as long, longer, longest; short, shorter, shortest; tall, taller, tallest; high, higher, highest
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## MATH

### 5. Data, Probability and Statistics

GLE 0106.5.1 Use various representations to display and compare data	✓ 0106.5.1 Represent measurements and discrete data using concrete objects, picture graphs, and bar graphs
	✓ 0106.5.2 Represent data in both horizontal and vertical form