

Grade: 4

Subject: science

**Unit**  
**Living Environments/Ecosystems**

<b>Essential Question #1</b>	How do living things obtain food?
<b>Essential Question #2</b>	How do food webs affect the environment?
<b>Essential Question #3</b>	What effects does the environment have on ecosystems?
<b>Essential Question #4</b>	
<b>Essential Question #5</b>	

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Unit: Living Envir Ecosystems

Essential Question # 1

How do living things obtain food?

		CT LEVEL
Objective/Skill #1	Identify producers and consumers.	An, C K
Objective/Skill #2	Identify predators and prey (herbivores, carnivores, decomposers, omnivores, and scavengers	An, C K
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science – Ecosystems video and book

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Unit: Living Envir Ecosystems

**Essential Question # 2**

How do food webs affect the environment?

		CT LEVEL
Objective/Skill #1	Understand food chains and food webs.	C
Objective/Skill #2	Observe environmental changes in the food web	An, C
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science – Ecosystems video and book**

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Unit: Living Envir Ecosystems

Essential Question # 3

What effects does the environment have on ecosystems?

		CT LEVEL
Objective/Skill #1	Identify habitat, population, communities, ecosystems and succession	C, An
Objective/Skill #2	Understand the effects of environment on living things	C
Objective/Skill #3	Explain how materials are recycled in an ecosystem	An, E S, C
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science – Ecosystems video and book

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Subject: science

**Unit**  
**Animal Adaptations**

<b>Essential Question #1</b>	How so animals protect themselves in their environment?
<b>Essential Question #2</b>	How do animals obtain food?
<b>Essential Question #3</b>	
<b>Essential Question #4</b>	
<b>Essential Question #5</b>	

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Unit: **Animal Adaptations**

**Essential Question # 1**

**How do animals protect themselves in their environment?**

		CT LEVEL
Objective/Skill #1	Identify adaptations that help animals protect themselves (mimicry, hibernation, migration).	C, An K
Objective/Skill #2	Identify response and stimulus.	C, An K
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science – Adaptations book and video**

Grade: 4

Subject: science

Unit: **Animal Adaptations**

**Essential Question # 2**

How do animals obtain food?

		CT LEVEL
Objective/Skill #1	Identify ways animals get food.	C, An K
Objective/Skill #2		
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science – Adaptations book and video**

Grade: 4

Subject: science

# Unit Electricity

Essential Question #1	What is static electricity?
Essential Question #2	What is the difference between a series circuit and parallel circuit?
Essential Question #3	How does a light bulb light?
Essential Question #4	How does polarity affect the flow of electricity?
Essential Question #5	What is the difference between a conductor and non conductor (insulator)?



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Subject: science

Unit: Electricity

**Essential Question # 1**  
**What is static electricity?**

		CT LEVEL
Objective/Skill #1	Show how matter becomes charged.	K, Ap
Objective/Skill #2		
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science - book and video – Electricity**

Grade: 4

Subject: science

Unit: Electricity

**Essential Question # 2**  
What is the difference between a series circuit and parallel circuit?

		CT LEVEL
Objective/Skill #1	Design a simple circuit.	S
Objective/Skill #2	Create and identify a model of a series circuit and a parallel circuit.	An, C,K, S
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science - book and video – Electricity**

Grade: 4

Subject: science

Unit: Electricity

**Essential Question # 3**  
**How does a light bulb light?**

		CT LEVEL
Objective/Skill #1	Identify resistance.	An, C, K
Objective/Skill #2	Identify the parts of a light bulb.	An, C,K
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science - book and video – Electricity**

Grade: 4

Subject: science

Unit: Electricity

Essential Question # 4  
How does polarity affect the flow of electricity?

		CT LEVEL
Objective/Skill #1	Predict +--+ or +-+.	Ap, C
Objective/Skill #2	Create a model.	S
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science - book and video – Electricity

Grade: 4

Subject: science

Unit: Electricity

Essential Question # 5  
What is the difference between a conductor and non-conductor (insulator)?

		CT LEVEL
Objective/Skill #1	Identify conductors.	An, C, K
Objective/Skill #2	Identify insulators (non-conductors).	An, C, K
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science - book and video – Electricity

Grade: 4

Subject: science

**Unit**  
**Living Environments/Plants**

<b>Essential Question #1</b>	<b>What are the parts of the plants?</b>
<b>Essential Question #2</b>	<b>What are plant functions?</b>
<b>Essential Question #3</b>	<b>How does a plant reproduce?</b>
<b>Essential Question #4</b>	
<b>Essential Question #5</b>	

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Subject: science

Unit: Living Environment/Plants

Essential Question # 1

What are the plants of a plant?

		CT LEVEL
Objective/Skill #1	Identify the leaves, stem, roots, nodes.	AN, C, K
Objective/Skill #2	Distinguish between a monocot and dicot plant.	AN, C
Objective/Skill #3	Distinguish between woody and green stems	AN, C
Objective/Skill #4	Identify root hairs and root tips	AN, C, K
Objective/Skill #5	Distinguish between taproots and fibrous roots	AN, C

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science – books and video --Plants

Grade: 4

Subject: science

Unit: Living Environment/Plants

Essential Question # 2

What are plant functions?

		CT LEVEL
Objective/Skill #1	Identify photosynthesis, xylem, phloem (leaf & stem functions).	AN, C, K
Objective/Skill #2		AN, C
Objective/Skill #3		AN, C
Objective/Skill #4		AN, C, K
Objective/Skill #5		AN, C

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science – books and video --Plants



Grade: 4

Subject: science

Unit: Living Environment/Plants

Essential Question # 3

How does a plant reproduce?

		CT LEVEL
Objective/Skill #1	Identify the reproductive organs.	AN, C, K
Objective/Skill #2	Understand the methods of pollination.	C
Objective/Skill #3	Identify the parts of a seed.	AN, C, K
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science – books and video --Plants

Grade: 4

Subject: science

# Unit Advanced Measuring

Essential Question #1	How do you measure using customary units?
Essential Question #2	How do you measure using metric units?
Essential Question #3	
Essential Question #4	
Essential Question #5	

Grade: 4

Subject: science

Unit: **Advanced Measuring**

**Essential Question # 1**

**How do you measure using customary units?**

		CT LEVEL
Objective/Skill #1	Estimate & measure length to the nearest inch and fraction of an inch.	E, C
Objective/Skill #2	Estimate & measure capacity.	C, E
Objective/Skill #3	Estimate & measure weight.	C, E
Objective/Skill #4	Measure temperature.	AP
Objective/Skill #5	Change units to compare measurements.	C, E, AN

**Activities that you may opt to use with objectives/skills being taught above**

Use “Advanced Measuring” notebook w/resources from science lab.

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Subject: science

Unit: **Advanced Measuring**

**Essential Question # 2**

**How do you measure using metric units?**

		CT LEVEL
Objective/Skill #1	Estimate & measure length in metric units.	E, C
Objective/Skill #2	Estimate & measure capacity.	C, E
Objective/Skill #3	Estimate & measure weight.	C, E
Objective/Skill #4	Measure temperature in Celsius.	AP
Objective/Skill #5	Change units to compare measurements.	C, E, AN

**Activities that you may opt to use with objectives/skills being taught above**

Use “Advanced Measuring” notebook w/resources from science lab.

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Subject: science

# Unit Solar System

Essential Question #1	What causes night and day?
Essential Question #2	What causes the seasons?
Essential Question #3	What satellites revolve around the sun?
Essential Question #4	What is the center of a solar system?
Essential Question #5	

Grade: 4

Subject: science

Unit: Solar System

Essential Question # 1  
What causes night and day?

		CT LEVEL
Objective/Skill #1	Understand rotation (day/night)	C
Objective/Skill #2		
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science - book and video – Solar System

Grade: 4

Subject: science

Unit: Solar System

**Essential Question # 2**  
**What causes the season?**

		CT LEVEL
Objective/Skill #1	Understand seasonal changes	C
Objective/Skill #2		
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science - book and video – Solar System**

Grade: 4

Subject: science3  
Unit: Solar System

**Essential Question # 3**  
**What satellites revolve around the sun?**

		LEVEL
Objective/Skill #1	Explain an eclipse.	C, An, E, S
Objective/Skill #2	Identify and understand the moon's phases.	An, C K
Objective/Skill #3	Describe the moon.	C, K
Objective/Skill #4	Identify in order from the sun.	An, C K
Objective/Skill #5	Interprets facts about each planet.	E, C

**Activities that you may opt to use with objectives/skills being taught above**

**Destinations in Science - book and video – Solar System**



Grade: 4

Subject: science  
Unit: Solar System

Essential Question # 4  
What is the center of a solar system?

		LEVEL
Objective/Skill #1	Understand the sun is stationary.	C
Objective/Skill #2	Classify the sun as a star.	An
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

Activities that you may opt to use with objectives/skills being taught above

Destinations in Science - book and video – Solar System