

Course: K

Course Code: 5020010

Quarter: 2

Topic of Study: Earth in Space and Time

Big Ideas: 5 Earth in Space and Time

Essential Questions: What is in the day sky? What is in the night sky? How do we describe location?

Optional Teacher Background: *ScienceSaurus*-Earth Science Section

[RESOURCES](#)

[SCIENCE CENTER](#)

Vocabulary: sky, sun, clouds, stars, moon

Common Labs:

- *Science Fusion* Inquiry Teacher Edition “How Does the Day Sky Change?” T.E. pg. 135
- *Science Fusion* Inquiry Flipchart “Compare Day and Night Sky” p. 9

Science Songs CD- Track 11 & 12

	Technology Links:	
<p>Lab Assistance:</p> <p><u>Daily Inquiries</u></p> <p><u>Body Systems</u></p>	<p>Science Links:</p> <p><u>www.Thinkcentral.com</u></p> <p><u>Graphic Organizers and Strategies</u></p>	<p>Online Guides:</p> <p><u>Above Level</u></p> <p><u>On Level</u></p> <p><u>Below Level</u></p>

St. Lucie County Public Schools Scope and Sequence 2012-2013

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NGSSS	CONTENT	Targets
<p>SC.K.E.5.1 Explore the law of gravity by investigating how objects are pulled toward the ground unless something holds them up. Cognitive Complexity: Moderate</p> <p>SC.K.E.5.2 Recognize the repeating pattern of day and night. Cognitive Complexity: Low</p> <p>SC.K.5.E.5.3 Recognize that the sun can only be seen in the daytime. Cognitive Complexity: Low</p> <p>SC.K.E.5.5 Observe that things can be big and things can be small as seen from Earth. Cognitive Complexity: High</p> <p>SC.K.E.5.6 Observe that some objects are far away and some are nearby as seen from Earth. Cognitive Complexity: High</p>	<p>What is in the day sky?</p> <ul style="list-style-type: none"> ▪ Sky ▪ Sun ▪ Clouds <p>What is in the night sky?</p> <ul style="list-style-type: none"> ▪ Stars ▪ Moon 	<ul style="list-style-type: none"> ▪ Observe and describe what the sky looks like during the day. ▪ Recognize that the sun can only be seen in the daytime. ▪ Recognize that things are pulled toward the ground unless something holds them up. ▪ Observe that the occurrence of night and day is a repeating pattern. ▪ Observe that things can be big and things can be small as seen from Earth.

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Topic of Study: Earth in Space and Time

Big Ideas: 12. Motion of Objects **13.** Forces and Changes in Motion

Essential Questions: How do we describe location? How do things move? How can we change the way things move? Which objects do magnets move?

Vocabulary: beside, above, below, behind, in front of, zigzag, round and round, straight, up and down, back and forth

Common Labs:

- *Science Fusion* Inquiry Teacher Edition “Where Is It?” p. 227
- *Science Fusion* Inquiry Teacher Edition “How Do Things Move?” p. 237
- *Science Fusion* Inquiry Flipchart “Make Predictions About Gravity” p. 14
- *Science Fusion* Inquiry Flipchart “Use Magnets” p. 15

Science Songs CD- Track 17

NGSSS	Content	Targets
<p>SC.K.E.5.1 Explore the Law of Gravity by investigating how objects are pulled toward the ground unless something holds them up. Cognitive Complexity: Moderate</p> <p>SC.K.P.12.1 Investigate that things move in different ways, such as fast, slow, etc. Cognitive Complexity: High</p> <p>SC.K.P.13.1 Observe that a push or a pull can change the way an object is moving. Cognitive Complexity: Low</p>	<p>How do we describe location?</p> <ul style="list-style-type: none"> ▪ Beside ▪ Above ▪ Below ▪ Behind ▪ In front of <p>How do things move?</p> <ul style="list-style-type: none"> ▪ Zigzag ▪ Round and round ▪ Straight ▪ Up and down ▪ Back and forth <p>How can we change the way things move?</p> <ul style="list-style-type: none"> ▪ Push ▪ Pull <p>Which objects do magnets attract?</p> <ul style="list-style-type: none"> ▪ Magnets ▪ Attract 	<ul style="list-style-type: none"> • Observe the location of a thing in relation to another thing. • Use position terms, such as above, below, behind, in front of, and beside to describe the location of something. • Observe and describe the ways things can move. • Observe and describe movements as fast or slow. • Identify push and pull as way to move things. • Observe that a push or pull can change the way a thing is moving. • Identify gravity as a force. • Understand that gravity pulls things down to the ground.