

4th Grade Science Public Year-at-a-Glance

2018 – 2019

Standards Taught all year	Nature of Science	Major Concepts / Topics	Possible Resources
<p>Quarter 1 Aug 10 – Oct 14</p>		<p>Major Concepts / Topics</p> <p>Big Idea #8- Properties of Matter SC.4.P.8.1 SC.4.P.8.2 SC.4.P.8.3 SC.4.P.8.4</p> <p>Big Idea #9- Changes in Matter SC.4.P.9.1</p> <p>Big Idea #12- Motion of Objects SC.4.P.12.1 SC.4.P.12.2</p>	<p>Possible Resources</p> <ul style="list-style-type: none"> • Florida Students – Materials Characteristics • Properties of Matter Song • Properties of Matter • Solids, Liquids and Gases • Properties of Rocks • Force and Motion
<p>Quarter 2 Oct 18 – Dec 21</p>		<p>Major Concepts / Topics</p> <p>Big Idea #10- Forms of Energy SC.4.P.10.1 SC.4.P.10.2 SC.4.P.10.3 SC.4.P.10.4</p> <p>Big Idea #11- Energy Transfer and Transformations SC.4.P.11.1 SC.4.P.11.2</p> <p>Big Idea #5- Earth in Space and Time SC.4.E.5.1 SC.4.E.5.2, SC.4.E.5.3 SC.4.E.5.4, SC.4.E.5.5</p>	<p>Possible Resources</p> <ul style="list-style-type: none"> • Forms of Energy video • Pitch • Florida Students • Changing Sounds • Florida Students • Steve Spangler Heat Transfer Different stars can be seen in different seasons • Phases of the Moon Animation • Lunar Cycle Challenge • How are the rotation of Earth, Sun, Moon, Stars connected?

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

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	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 5 – Mar 10	Big Idea #6- Earth Structures SC.4.E.6.1 SC.4.E.6.2 SC.4.E.6.3 SC.4.E.6.4 SC.4.E.6.5 SC.4.E.6.6 Big Idea #16- Heredity and Reproduction (Quarter 3 focus on Plant reproduction and life cycle) SC.4.L.16.1 SC.4.L.16.2 SC.4.L.16.3 SC.4.L.16.4	<ul style="list-style-type: none"> • Name that Mineral • The Dynamic Earth • Technology tools help us observe very small and very large things. • Plants with Seeds
Quarter 4 Mar 21 – May 24	Big Idea #16- Heredity and Reproduction (Quarter 4 focus on Animals) SC.4.L.16.1 SC.4.L.16.2 SC.4.L.16.3 SC.4.L.16.4 Big Idea #17-Interdependence SC.4.L.17.1 SC.4.L.17.2 SC.4.L.17.3 SC.4.L.17.4	<ul style="list-style-type: none"> • Animal Adaptations • Plant Adaptations • Animal Life Cycles

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