


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

2018 – 2019

		Major Concepts / Topics	Possible Resources
Standards Taught all year	Nature of Science	Big Idea #1 – The Practice of Science Big Idea #2 – The Characteristics of Scientific Knowledge Big Idea #3 – The Role of Theories, Laws, Hypothesis and Models SC.4.N.1.1 , SC.4.N.1.2 , SC.4.N.1.3 , SC.4.N.1.4 , SC.4.N.1.5 , SC.4.N.1.6 , SC.4.N.1.7 , SC.4.N.1.8 , SC.4.N.2.1 , SC.4.N.3.1	Scientific Method Practice of Science- Experiment Video  Example Questions.pdf
Quarter 1 Aug 10 – Oct 14		Major Concepts / Topics 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 Big Idea #9- Changes in Matter SC.4.P.9.1 Big Idea #12- Motion of Objects SC.4.P.12.1 SC.4.P.12.2	Possible Resources <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
Quarter 2 Oct 18 – Dec 21		Major Concepts / Topics 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 Big Idea #11- Energy Transfer and Transformations SC.4.P.11.1 SC.4.P.11.2 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	Possible Resources <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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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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