


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

2016 – 2017

		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
		Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	Week		
	1	Big Idea #5- Earth in Space and Time SC.4.E.5.1	Different stars can be seen in different seasons
	2	Big Idea #5- Earth in Space and Time SC.4.E.5.2 , SC.4.E.5.3	Phases of the Moon Animation Lunar Cycle Challenge
	3	Big Idea #5- Earth in Space and Time SC.4.E.5.4 , SC.4.E.5.5	How are the rotation of Earth, Sun, Moon, Stars connected?
	4	Big Idea #6- Earth Structures SC.4.E.6.1	
	5	Big Idea #6- Earth Structures SC.4.E.6.2	Name that Mineral The Dynamic Earth
	6	Big Idea #6- Earth Structures SC.4.E.6.3	
	7	Big Idea #6- Earth Structures SC.4.E.6.4	Technology tools help us observe very small and very large things.
	8	Big Idea #6- Earth Structures SC.4.E.6.5	
9	Big Idea #6- Earth Structures SC.4.E.6.6		
Quarter 2	Week	Major Concepts / Topics	Possible Resources

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Oct 18 – Dec 21	1	Big Idea #8- Properties of Matter SC.4.P.8.1	Florida Students – Materials Characteristics
	2	Big Idea #8- Properties of Matter SC.4.P.8.1	
	3	Big Idea #8- Properties of Matter SC.4.P.8.2	
	4	Big Idea #8- Properties of Matter SC.4.P.8.2	Properties of Matter Song
	5	Big Idea #8- Properties of Matter SC.4.P.8.3	Properties of Matter
	6	Big Idea #8- Properties of Matter SC.4.P.8.3	Solids, Liquids and Gases
	7	Big Idea #8- Properties of Matter SC.4.P.8.4	Properties of Rocks
	8	Big Idea #9- Changes in Matter SC.4.P.9.1	
	9	Big Idea #9- Changes in Matter SC.4.P.9.1	
Quarter 3 Jan 5 – Mar 10	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #10- Forms of Energy SC.4.P.10.1 SC.4.P.10.2	Forms of Energy video
	2	Big Idea #10- Forms of Energy SC.4.P.10.2 SC.4.P.10.3	Pitch Florida Students
	3	Big Idea #10- Forms of Energy SC.4.P.10.3 SC.4.P.10.4	Changing Sounds Florida Students Steve Spangler Heat Transfer
	4	Big Idea #11- Energy Transfer and Transformations SC.4.P.11.1	Force and Motion Study Jams
	5	Big Idea #11- Energy Transfer and Transformations SC.4.P.11.1 SC.4.P.11.2	
	6	Big Idea #11- Energy Transfer and Transformations SC.4.P.11.2	
	7	Big Idea #12- Motion of Objects SC.4.P.12.1	

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	8	Big Idea #12- Motion of Objects SC.4.P.12.1 SC.4.P.12.2	
	9	Big Idea #12- Motion of Objects SC.4.P.12.2	
Quarter 4 Mar 21 – May 24	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #16- Heredity and Reproduction SC.4.L.16.1	Plants with Seeds (Study Jams)
	2	Big Idea #16- Heredity and Reproduction SC.4.L.16.1	Animal Adaptations (Study Jams)
	3	Big Idea #16- Heredity and Reproduction SC.4.L.16.2	Plant Adaptations (Study Jams)
	4	Big Idea #16- Heredity and Reproduction SC.4.L.16.3	
	5	Big Idea #16-Heredity and Reproduction SC.4.L.16.4	Animal Life Cycles (Study Jams)
	6	Big Idea #17-Interdependence SC.4.L.17.1	
	7	Big Idea #17- Interdependence SC.4.L.17.2	
	8	Big Idea #17- Interdependence SC.4.L.17.3	
	9	Big Idea #17- Interdependence SC.4.L.17.4	

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