

ST. JOHNS COUNTY SCHOOL DISTRICT

FOURTH GRADE - SCIENCE - PUBLIC YEAR-AT-A-GLANCE 2020-2021



STANDARDS VISITED ALL Year	Standards (click on the Standard coding to go to additional information and resources)	At Home Resources
Quarter 1 AUG 31 – OCT 30	<p>The Practice of Science 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</p> <p>SC.4.P.8.1 Measure and compare objects based on their physical properties SC.4.P.8.2 Identify properties and common uses of water in each of its states SC.4.P.8.3 Explain the Law of Conservation of Mass SC.4.P.8.4 Investigate and describe that magnets can attract and repel SC.4.P.9.1 Identify familiar chemical changes in materials (decay, burn, rust, cooking) SC.4.P.12.1 Recognize that an object in motion is always changing position SC.4.P.12.2 Investigate that speed is determined by distance traveled in a unit of time</p>	<p>Scientific Method Practice of Science- Experiment Video How Do We Do Science?</p> <p>Florida Students – Materials Characteristics Properties of Matter Song Properties of Matter Solids, Liquids and Gases Properties of Rocks</p>
Quarter 2 NOV 2– JAN 25	<p>SC.4.P.10.1 Observe and describe basic forms of energy SC.4.P.10.2 Investigate that energy has the ability to cause motion or change SC.4.P.10.3 Investigate that sound is produced by vibrating objects SC.4.P.10.4 Describe how moving water & air are sources of energy SC.4.P.11.1 Recognize that heat flows from a hot object to a cold object SC.4.P.11.2 Identify common materials that conduct heat well or poorly SC.4.E.5.1 Observe patterns of stars in the sky stay the same, but appear to shift across the night sky SC.4.E.5.2 Describe changes to the observable shape of the moon</p>	<p>Forms of Energy video Changing Sounds Pitch Force and Motion</p>
Quarter 3 JAN 26 – APR 8	<p>SC.4.E.5.3 Recognize the Earth revolves around the Sun and rotates on its axis SC.4.E.5.4 Relate that the rotation of Earth and appeared movement of the Sun, Moon, and stars are connected SC.4.E.5.5 Investigate the effects of space research on Florida's economy SC.4.E.6.1 Identify the three categories of rocks SC.4.E.6.2 Identify physical properties of common minerals SC.4.E.6.3 Recognize that humans need renewable and non-renewable resources found on Earth SC.4.E.6.4 Describe the difference between physical weathering and erosion SC.4.E.6.5 Investigate how technology helps humans make observations SC.4.E.6.6 Identify resources available in Florida (water, phosphate, oil, limestone, silicon, wind, and solar energy)</p>	<p>Name that Mineral The Dynamic Earth Tools to Help Us Observe Night Sky in Seasons Phases of the Moon Animation Lunar Cycle Challenge How are the rotation of Earth, Sun, Moon, Stars connected?</p>
Quarter 4 APR 8 – JUN 10	<p>SC.4.L.16.1 Identify the processes of sexual reproduction in plants SC.4.L.16.2 Plant and animal traits can be inherited or affected by the environment SC.4.L.16.3 Recognize that animal behaviors can be shaped by heredity and learning SC.4.L.16.4 Compare and contrast life cycles of Florida plants and animals SC.4.L.17.1 Compare seasonal changes of Florida plants and animals to other regions SC.4.L.17.2 Explain that animals can't make their own food SC.4.L.17.3 Trace the flow of energy from the Sun through producers to consumers SC.4.L.17.4 Recognize ways plants and animals impact the environment</p>	<p>Animal Adaptations Plant Adaptations Animal Life Cycles Plants with Seeds</p>