2nd Grade Science **Public** Year-at-a-Glance

2019 - 2020SC.2.N.1.1- Scientific Method / Systematic Observations SC.2.N.1.2- Compare Observations Standards visited all year SC.2.N.1.3- How do you know? Nature of Science SC.2.N.1.4 - Investigative Conclusions SC.2.N.1.5 - Empirical Observation and Inferencing SC.2.N.1.6- New Ways to Solve Problems **Major Concepts / Topics Possible Resources Properties of Matter** Phases of Water Big Idea #1: Nature of Science SC.2.N.1.1, SC.2.N.1.2, SC.2.N.1.3, SC.2.N.1.4, SC.2.N.1.5, SC.2.N.1.6 Video Clip (Water through Quarter 1 Big Idea #8: Properties of Matter Seasons) Aug 12 - Oct 11 SC.2.P.8.1, SC.2.P.8.2, SC.2.P.8.3, SC.2.P.8.4, SC.2.P.8.5, SC.2.P.8.6 Changes in Matter Big Idea #9: Changes in Matter Heating and Freezing Game SC.2.P.9.1 Magnets Major Concepts / Topics Possible Resources Electricity Book Bill Nye Electricity Video Big Idea #10: Forms of Energy SC.2.P.10.1 Force & Motion Video Quarter 2 Big Idea #13: Forces and Motion Magnet Video Oct 14 - Dec 20 SC.2.P.13.1, SC.2.P.13.2, SC.2.P.13.3, SC.2.13.4 Magnet Push & Pull Book **Major Concepts / Topics** Possible Resources Book on Seasons Big Ideas #6: Earth Structures (Rocks and Soil) Water in Different Seasons SC.2.E.6.1, SC.2.E.6.2, SC.2.E.6.3 **Quarter 3** Video Big Ideas #7: Earth Systems and Patterns (Weather) Jan 6 - Mar 12 Water Cycle Video SC.2.E.7.1, SC.2.E.7.2, SC.2.E.7.3, SC.2.E.7.4, SC.2.E.7.5 Tornado Chaser Video **Protection from Hazardous** Weather Video **Major Concepts / Topics Possible Resources** Poem Puzzle Online Game (Human Body) Big Idea #14: Organization and Development of Living Organisms **Photographs** SC.2.L.14.1 Ouarter 4 PowerPoint (Life Cycles) Big Idea #16: Heredity and Reproduction Mar 23 - May 27 Video (Basic Needs) SC.2.L.16.1 Big Idea #17: Interdependence SC.2.L.17.1, SC.2.L.17.2

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.

