



3rd Grade Science
Year at a Glance (YAG)
2019-2020



First Semester	Second Semester
1st Nine Weeks – 40 days (August 19 th – October 15 th) <i>(September 2nd – Labor day – No School)</i> <i>(October 14th – Staff Development)</i>	3rd Nine Weeks – 45 days (January 6 th – March 17 th) <i>(January 20th – MLK – No School)</i> <i>(March 9th – 13th – Spring Break)</i>
<u>Introduction: Working Like a Scientist (3 days)</u> <u>Introducción: Trabajando como un científico</u> This unit bundles Student Expectations that allow for the establishment of science procedures, including safety and notebooking. <u>3.1A, 3.2A, 3.2B, 3.2C, 3.4A, 3.8A</u>	<u>Unit 05: Investigating the Solar System (20 days)</u> <u>Investigando el sistema solar</u> Students describe and illustrate the Sun as a star composed of gases that provides light and thermal energy. Students identify planets in Earth's solar system and their position in relation to the Sun. Moreover, students connect grade-level appropriate science concepts with the history of space science, space science careers, and contributions of scientists in the field of space science. <u>3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3A, 3.3B, 3.3C, 3.4A, 3.8B, 3.8C, 3.8D</u>
<u>Unit 01: Investigating Properties of Matter (21 days)</u> <u>Investigando las propiedades de la materia</u> This unit addresses measurable physical properties. Physical properties can be used to determine how matter is classified, changed, and used. Changes in state of matter are the result of adding or removing thermal energy (heat). <u>3.1A, 3.1B, 3.2A, 3.2B, 3.2C, 3.2D, 3.2E, 3.2F, 3.3A, 3.3B, 3.4A, 3.5A, 3.5B, 3.5C, 3.5D, 3.6A</u>	<u>Unit 06: Investigating Weather (5 days)</u> <u>Investigar el clima</u> This unit addresses day-to-day weather changes in different locations at the same time. Students use weather instruments and technology to observe, measure, record, and compare air temperature, wind direction, and precipitation for different locations at the same time. <u>3.1A, 3.2A B C D E F, 3.3B, 3.3C, 3.4A, 3.8A</u>
<u>Unit 02: Investigating Energy (10 days)</u> <u>Investigando Energía</u> Students engage in descriptive investigations to explore different forms of energy, including mechanical, sound, light, and thermal, as they are used in everyday life. <u>3.1A, 3.2A, 3.2B, 3.2F, 3.3A, 3.4A, 3.6A</u>	<u>Unit 07: Investigating Ecosystems (25 days)</u> <u>Investigando ecosistemas</u> This unit addresses interactions among living and nonliving components of ecosystems and the impact of environmental changes on organisms and systems. <u>3.1A, 3.2A B D F, 3.3B, 3.3C, 3.4A, 3.9A, 3.9B, 3.9C</u>
2nd Nine Weeks – 43 days (October 16 th – December 20 st) <i>(November 25th – 29th – Thanksgiving Break)</i> <i>(December 23rd – January 3rd – Holiday Break)</i>	4th Nine Weeks – 45 days (March 18 th – May 21 st) <i>(April 10th – Good Friday – No School)</i> <i>(April 24th – Battle of Flowers – No School)</i> <i>(May 25th – Memorial Day – No School)</i>



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Unit 03: Investigating Force and Motion (11 days)

[Investigar la fuerza y el movimiento](#)

Students engage in descriptive investigations to explore how forces can change the position and motion of an object, including pushes, pulls, magnetism, and gravity.

3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3A, 3.3B, 3.4A, 3.6B, 3.6C

Unit 04: Investigating the Natural World (21 days)

[Investigando el mundo natural](#)

This unit addresses the usefulness and conservation of natural resources, soil formation, and changes in the surface of the Earth. Students engage in descriptive investigations of rapid changes in Earth's surface. They explore how soils are formed and the characteristics of natural resources that make them useful in products and materials, in addition to how resources may be conserved.

3.1A, 3.1B, 3.2A, 3.2B, 3.2C, 3.2F, 3.3A, 3.3B, 3.3C, 3.4A, 3.7A, 3.7B, 3.7C

Unit 07: Investigating Ecosystems (continued)

3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3B C, 3.4A, 3.9A, 3.9B, 3.9C

Unit 08: Investigating Structures and Functions of Organisms (13 days)

[Investigar estructuras y funciones de organismos](#)

This unit addresses structures of organisms that help them survive within their environments. Students explore how structures and functions of plants and animals allow them to survive in a particular environment.

3.1A, 3.2A, 3.2B, 3.2F, 3.3A, 3.4A, 3.10A

Unit 09: Investigating Life Cycles (12 days)

[Investigando ciclos de vida](#)

This unit addresses life cycles of plants and animals. Students engage in descriptive investigations of the life cycles of animals and plants. They compare how animals and plants undergo a series of orderly changes in their diverse life cycles.

3.1A, 3.2A, 3.2B, 3.2C, 3.2D, 3.2E, 3.2F, 3.3A, 3.3B, 3.3C, 3.4A, 3.10B