



3rd Grade Science Year at a Glance (YAG) 2020-2021



First Semester	Second Semester
1st Nine Weeks – 42 days (August 17 th – October 14 th) <i>September 7th – Labor Day School Holiday</i> <i>October 12th – Staff Development Student Holiday</i>	3rd Nine Weeks – 43 days (January 4 th – March 5 th) <i>January 18th – MLK Day School Holiday</i> <i>February 15th – President’s Day Staff Dev./Student Holiday</i> <i>March 8th – 12th Spring Break</i>
TCMPC Intro: Working Like a Scientist (5 days) Introducción: Trabajando como un científico This unit allows for the establishment of science procedures, including safety and notebooking. 3.1A, 3.2A, 3.2B, 3.2C, 3.4A, 3.8A TCMPC Unit 1: Investigating Properties of Matter (21 days) Investigando las propiedades de la materia Scope 3.5AB Classifying Matter Scope 3.5C Changes from Heat Scope 3.5D Mixtures 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). 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 TCMPC Unit 2: Investigating Energy (10 days) Investigando Energía Scope 3.6A Forms of Energy Students engage in descriptive investigations to explore different forms of energy, including mechanical, sound, light, and thermal, as they are used in everyday life. 3.1A, 3.2A, 3.2B, 3.2E, 3.3A, 3.4A, 3.6A	TCMPC Unit 6: Investigating the Natural World (21 days) Investigando el mundo natural Scope 3.7A Formation of Soil Scope 3.7B Earth’s Forces Scope 3.7C Resources 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, 3.2E, 3.3A, 3.3B, 3.3C, 3.4A, 3.7A, 3.7B, 3.7C TCMPC Unit 7: Investigating Ecosystems (25 days) Investigando ecosistemas Scope 3.9AC Environments Scope 3.9B Food Chains This unit addresses interactions among living and nonliving components of ecosystems and the impact of environmental changes on organisms and systems. 3.1A, 3.2A B D E, 3.3B, 3.3C, 3.4A, 3.9A, 3.9B, 3.9C
2nd Nine Weeks – 41 days (October 15 th – December 18 th) <i>November 13th – Holiday</i> <i>November 23rd – 27th Thanksgiving Break</i> <i>December 21st – January 1st Winter Break</i>	4th Nine Weeks – 52 days (March 15 th – May 27 rd) <i>April 2nd – Good Friday School Holiday</i> <i>April 23rd – Battle of Flowers School Holiday</i>
TCMPC Unit 3: Investigating Force and Motion (11 days) Investigar la fuerza y el movimiento Scope 3.6B Force and Motion Scope 3.6C Magnetism and Gravity 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, 3.2E, 3.3A, 3.3B, 3.4A, 3.6B, 3.6C TCMPC Unit 4: Investigating the Solar System (20 days) Investigando el sistema solar Scope 3.8B The Sun Scope 3.8CD Space 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. 3.1A, 3.2A, 3.2B, 3.2D, 3.2E, 3.3A, 3.3B, 3.3C, 3.4A, 3.8B, 3.8C, 3.8D TCMPC Unit 5: Investigating Weather (5 days) Investigar el clima Scope 3.8A Weather 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. 3.1A, 3.2A B C D E F, 3.3B, 3.3C, 3.4A, 3.8A	TCMPC Unit 7: Investigating Ecosystems (continued) 3.1A, 3.2A, 3.2B, 3.2D, 3.2E, 3.3B C, 3.4A, 3.9A, 3.9B, 3.9C TCMPC Unit 8: Investigating Structures and Functions of Organisms (13 days) Investigar estructuras y funciones de organismos Scope 3.10A Adaptations 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, 3.2E, 3.3A, 3.4A, 3.10A TCMPC Unit 9: Investigating Life Cycles (12 days) Investigando ciclos de vida Scope 3.10B Life Cycles 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, 3.3A, 3.3B, 3.3C, 3.4A, 3.10B