



**3<sup>rd</sup> Grade Science**  
**Year at a Glance (YAG)**  
**2022-2023**



First Semester	Second Semester
<p><b>1<sup>st</sup> Nine Weeks – 41 days</b> (August 15<sup>th</sup> – October 12<sup>th</sup>)  <i>September 5<sup>th</sup> – Labor day – No School</i>  <i>October 10<sup>th</sup> – Columbus Day - No School</i></p>	<p><b>3<sup>rd</sup> Nine Weeks – 47 days</b> (January 3<sup>rd</sup> – March 10<sup>th</sup>)  <i>January 16<sup>th</sup> – MLK – No School</i>  <i>February 20<sup>th</sup> - Staff Development</i>  <i>March 13<sup>th</sup> – 17<sup>th</sup> – Spring Break</i>  <i>March 20<sup>th</sup> – Staff Development</i></p>
<p><b>TCMPC Intro: Working Like a Scientist (5 days)</b>  <a href="#">Introducción: Trabajando como un científico</a>            This unit allows for the establishment of science procedures, including safety and notebooking.  <a href="#">3.1A, 3.2A, 3.2B, 3.2C, 3.4A, 3.8A</a>  <b>TCMPC Unit 1: Investigating Properties of Matter (21 days)</b>  <a href="#">Investigando las propiedades de la materia</a>  <b>Scope 3.5AB Classifying Matter</b>  <b>Scope 3.5C Changes from Heat</b>  <b>Scope 3.5D Mixtures</b>            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).  <a href="#">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</a>  <b>TCMPC Unit 2: Investigating Energy (10 days)</b>  <a href="#">Investigando Energía</a>  <b>Scope 3.6A Forms of Energy</b>            Students engage in descriptive investigations to explore different forms of energy, including mechanical, sound, light, and thermal, as they are used in everyday life.  <a href="#">3.1A, 3.2A, 3.2B, 3.2F, 3.3A, 3.4A, 3.6A</a></p>	<p><b>TCMPC Unit 6: Investigating the Natural World (21 days)</b>  <a href="#">Investigando el mundo natural</a>  <b>Scope 3.7A Formation of Soil</b>  <b>Scope 3.7B Earth’s Forces</b>  <b>Scope 3.7C Resources</b>            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.  <a href="#">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</a>  <b>TCMPC Unit 7: Investigating Ecosystems (25 days)</b>  <a href="#">Investigando ecosistemas</a>  <b>Scope 3.9AC Environments</b>  <b>Scope 3.9B Food Chains</b>            This unit addresses interactions among living and nonliving components of ecosystems and the impact of environmental changes on organisms and systems.  <a href="#">3.1A, 3.2A B D F, 3.3B, 3.3C, 3.4A, 3.9A, 3.9B, 3.9C</a></p>
<p><b>2<sup>nd</sup> Nine Weeks – 42 days</b> (October 13<sup>th</sup> – December 16<sup>th</sup>)  <i>November 21<sup>st</sup> – 25<sup>th</sup> – Thanksgiving Break</i>  <i>December 19<sup>th</sup> – January 1<sup>st</sup> – Holiday Break</i>  <i>January 2<sup>nd</sup> - Staff Development</i></p>	<p><b>4<sup>th</sup> Nine Weeks – 45 days</b> (March 21<sup>st</sup> – May 24<sup>th</sup>)  <i>April 7<sup>th</sup> – Battle of Flowers – No School</i>  <i>April 28<sup>th</sup> – Good Friday – No School</i></p>
<p><b>TCMPC Unit 3: Investigating Force and Motion (11 days)</b>  <a href="#">Investigar la fuerza y el movimiento</a>  <b>Scope 3.6B Force and Motion; Scope 3.6C Magnetism and Gravity</b>            Students engage in descriptive investigations to explore how forces can change the position and motion of an object, including pushes, pulls, magnetism, and gravity.  <a href="#">3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3A, 3.3B, 3.4A, 3.6B, 3.6C</a>  <b>TCMPC Unit 4: Investigating the Solar System (20 days)</b>  <a href="#">Investigando el sistema solar</a>  <b>Scope 3.8B The Sun; Scope 3.8CD Space</b>            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.  <a href="#">3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3A, 3.3B, 3.3C, 3.4A, 3.8B, 3.8C, 3.8D</a>  <b>TCMPC Unit 5: Investigating Weather (5 days)</b>  <a href="#">Investigar el clima</a>  <b>Scope 3.8A Weather</b>            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.  <a href="#">3.1A, 3.2A B C D E F, 3.3B, 3.3C, 3.4A, 3.8A</a></p>	<p><b>TCMPC Unit 7: Investigating Ecosystems (continued)</b>  <a href="#">3.1A, 3.2A, 3.2B, 3.2D, 3.2F, 3.3B C, 3.4A, 3.9A, 3.9B, 3.9C</a></p> <p><b>TCMPC Unit 8: Investigating Structures and Functions of Organisms (13 days)</b>  <a href="#">Investigar estructuras y funciones de organismos</a>  <b>Scope 3.10A Adaptations</b>            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.  <a href="#">3.1A, 3.2A, 3.2B, 3.2F, 3.3A, 3.4A, 3.10A</a></p> <p><b>TCMPC Unit 9: Investigating Life Cycles (12 days)</b>  <a href="#">Investigando ciclos de vida</a>  <b>Scope 3.10B Life Cycles</b>            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.  <a href="#">3.1A, 3.2A, 3.2B, 3.2C, 3.2D, 3.2E, 3.2F, 3.3A, 3.3B, 3.3C, 3.4A, 3.10B</a></p>