



# Carroll ISD Fifth Grade GT Science 2021-2022 Year-At-A-Glance

	1 <sup>st</sup> Grading Period	2 <sup>nd</sup> Grading Period	3 <sup>rd</sup> Grading Period	4 <sup>th</sup> Grading Period
<b>Process Standards</b>	Scientific Investigation and Reasoning: The student uses scientific investigation and reasoning to demonstrate understanding: 5.1A, 5.2A-G, 5.3A-D, 5.4A-B			
<b>TEKS</b>	<u><b>Unit 1: Scientific Inquiry and Science Safety</b></u> 5.1A 5.2A,B,C,D,E,F,G 5.3A,B,C,D 5.4A,B  <u><b>Unit 2: Matter</b></u> 5.5A,B,C	<u><b>Unit 3: Force, Motion, and Energy</b></u> 5.6A,B,C,D  <u><b>Unit 4: Geology</b></u> 5.7A,B 5.9D	<u><b>Unit 5: Meteorology</b></u> 5.8A,B  <u><b>Unit 6: Astronomy</b></u> 5.8C,D  <u><b>Unit 7: Organisms and their Environments</b></u> 5.9A,B,C 5.10A,B	<u><b>Unit 7 (continued)</b></u>  <u><b>Unit 8-STAAR Review</b></u>  <u><b>Unit 9 - STEM Project</b></u>
<b>Topic Focus</b>	<u><b>Scientific Inquiry and Science Safety</b></u> <ul style="list-style-type: none"> <li>Identify parts of the scientific method from an investigation</li> <li>Design an investigation using the scientific method</li> <li>Measurement tools and how to read them</li> <li>Graphing and interpreting data</li> </ul> <u><b>Matter</b></u> <ul style="list-style-type: none"> <li>Classify matter based on physical properties</li> <li>Identify boiling and freezing points in Celsius</li> <li>Demonstrate that some mixtures maintain physical properties</li> </ul>	<u><b>Force, Motion, and Energy</b></u> <ul style="list-style-type: none"> <li>Explore the uses of Energy</li> <li>Demonstrate that the flow of electricity in circuits</li> <li>Understand how light travels</li> <li>Force: Gravitation, Magnetism, and Friction</li> </ul> <u><b>Geology</b></u> <ul style="list-style-type: none"> <li>Explore the processes that led to the formation of sedimentary rocks and fossil fuels</li> <li>Recognize how landforms are the result of changes to Earth's surface by wind, water, and ice</li> <li>Alternative energy resources</li> <li>Identify fossils as evidence of past living organisms and the</li> </ul>	<u><b>Meteorology</b></u> <ul style="list-style-type: none"> <li>Differentiate between weather and climate</li> <li>Explain how the Sun and ocean interact in the water cycle</li> </ul> <u><b>Astronomy</b></u> <ul style="list-style-type: none"> <li>Identify and compare the physical characteristics of the Sun, Earth, and Moon</li> </ul> <u><b>Organisms and their Environments</b></u> <ul style="list-style-type: none"> <li>Observe how organisms live and survive in their ecosystems Describe the flow of energy through a food chain or food web</li> </ul>	<u><b>Organisms and their Environments (cont)</b></u> <ul style="list-style-type: none"> <li>Learned behaviors of animals</li> <li>Complete Metamorphosis: Egg, Larva, Pupa, Adult</li> <li>Incomplete Metamorphosis: Egg, Nymph, Adult</li> </ul> <u><b>STAAR Review</b></u>  <u><b>STEM Project</b></u>

	<ul style="list-style-type: none"> <li>Identify changes that occur in physical properties</li> </ul>	nature of the environments at the time using models	<ul style="list-style-type: none"> <li>Predict the effects of changes in ecosystems caused by living organisms, including humans</li> <li>Carbon Dioxide-Oxygen cycle Compare the structures and functions of different species</li> <li>Inherited traits of plants and animals</li> </ul>	
<b>Additional Resources</b>	<b>STEMscopes</b>			

**Bold Indicates Power Standards: 5.5A, 5.6A-C, 5.7A-B, 5.8C, 5.9A-B, 5.10A-B**