



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

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

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

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