



## 5th Grade Science Syllabus

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### Course Description

5th Grade Science engages students in hands-on exploration of the natural world through life, physical, and Earth sciences. Students will develop scientific reasoning, conduct investigations, and apply their understanding to real-world phenomena. Instruction focuses on building foundational knowledge and preparing students for the STAAR Science assessment.

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### Curriculum Overview

Quarter	Unit	Topic	Guiding Question	TEKS
Q1	Unit 1	Environments	What patterns, cycles, systems, and relationships exist in environments?	5.12A–C
Q1	Unit 2	Organisms	How do organisms grow and survive their environments?	5.13A–B
Q1–Q2	Unit 3	Matter & Energy	How is matter classified, changed, and used?	5.6A–D
Q2	Unit 4	Nature of Forces	How do equal and unequal forces act on objects?	5.7A–B
Q2	Unit 5	Energy is Everywhere	How can energy be observed in cycles, patterns, and systems?	5.8A–C
Q3	Unit 6	Sun, Earth, Moon Systems	What patterns exist among the Sun, Earth, and Moon?	5.9A
Q3–Q4	Unit 7	Cycles & Landforms	How does the sun interact with oceans and the water cycle? How are rocks formed? What are the effects of wind, water, and ice on Earth's surface?	5.10A–C
Q4	Unit 8	Natural Resources	How can we design solutions to the threats to our natural resources?	5.11A



Q4	STAAR Review	Meets & Masters Focus	—	Spiral Review
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## Skills & Standards

- Conduct and communicate results of scientific investigations
  - Analyze patterns in the natural world and describe cycles and systems
  - Explore properties of matter and energy transformations
  - Examine force and motion in everyday life
  - Model Earth, Moon, and Sun systems and their interactions
  - Analyze landforms and weathering, erosion, and deposition
  - Evaluate the conservation and responsible use of natural resources
  - Use scientific tools and models to collect and interpret data
  - Apply critical thinking and problem-solving in science inquiry
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## Grading

Please refer to the Forney ISD Grading Guidelines for information on assessment policies, late work, and grading expectations