

5th Grade Science Syllabus 2026-2027

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.

Curriculum Overview

The following table outlines the instructional units, approximate timeframes, and specific TEKS (Texas Essential Knowledge and Skills) for the 2026-2027 school year. In accordance with district standards, **Readiness TEKS** (R) are high-priority standards, while **Supporting TEKS** (S) provide foundational context.

Unit	Unit Name	Approx. Days	Readiness TEKS	Supporting TEKS
1	Environments: Patterns, cycles, and systems in environments	10	5.12A	5.12B, 5.12C
2	Organisms: How organisms grow and survive	8	5.13A*	5.13B*
3	Matter & Energy: Classifying, changing, and using matter	31	5.6A	5.6B, 5.6C
4	Nature of Forces: Equal and unequal forces	10	N/A	5.7A, 5.7B
5	Energy is Everywhere: Cycles, patterns, and systems of energy	18	5.8B, 5.8C	5.8A (NT)**

6	Sun, Earth, Moon Systems: Patterns among celestial bodies	6	5.9A	N/A
7	Cycles & Landforms: Sun/Ocean interaction, rocks, and surface changes	20	5.10B, 5.10C	5.10A
8	Natural Resources: Designing solutions for resource conservation	5	5.11A*	N/A
Review	STAAR Review: Focus on "Meets & Masters" and spiral review	10	Differentiated	Differentiated

**Standards listed for Units 2 and 8 are designated as the primary focus for those units in the scope and sequence, though specific R/S designations vary in the provided excerpts. **NT indicates Non-Tested standards that provide essential conceptual depth.*

Skills & Standards

Throughout the year, students will develop the following competencies:

- **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 the processes of 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 scientific inquiry.

Grading

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