



## 4th Grade Science Syllabus

### Course Description

In 4th Grade Science, students explore physical, earth, and life science through hands-on investigations, scientific inquiry, and the application of real-world concepts. Units focus on natural resources, energy, ecosystems, force and motion, space, and Earth's surface processes. Students develop scientific reasoning and problem-solving skills aligned with the Texas Essential Knowledge and Skills (TEKS), integrating STEM practices and cross-curricular connections.

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### Curriculum Overview

Unit 1: Natural Resources	August 14 – September 5
Unit 2: Environments	September 8 – September 26
Unit 3: Organisms	September 29 – October 10
Unit 4: Matter & Energy	October 20 – December 17
Unit 5: Force & Motion	January 6 - February 6
Unit 6: Energy is Everywhere	February 9 - March 6
Unit 7: Sun, Earth, Moon	March 9 - April 1
Unit 8: Earth's Processes	April 2 - May 5
Unit 9: STEM Project	May 6 - May 19

# Skills & Standards

## Scientific Concepts & Inquiry

- Ask testable questions and plan investigations
- Observe, record, and analyze data
- Communicate conclusions through models and visuals
- Use appropriate scientific tools safely and effectively

## Content Knowledge

- Natural resources, conservation, and energy use
- Ecosystems, organisms, and environments
- Properties and states of matter
- Force, motion, and forms of energy
- Patterns in space (Sun, Earth, Moon)
- Weathering, erosion, and landforms

## STEM & Engineering

- Apply SEPs in collaborative project-based learning
- Conduct research and present findings
- Engage in engineering design challenges aligned to content

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## Grading

See Forney ISD Grading Guidelines