

Academic Outcomes: Science

TK-5 Science Topics

Kindergarten:

- forces and interactions: pushes and pulls
- interdependent relationships in ecosystems:
 - animals, plants, and their environment
- weather and climate
- engineering design

1st Grade

- waves: light and sound
- structure, function, and information processing
- space systems: patterns and cycles
- engineering design

2nd Grade:

- structure and properties of matter
- interdependent relationships in ecosystems
- earth's systems: processes that shape the earth
- engineering design

3rd Grade:

- forces and interactions
- interdependent relationships in ecosystems
- inheritance and variation of traits
- weather and climate
- engineering design

4th Grade:

- energy
- waves
- structure, function, and information processing
- Earth's systems: processes that shape the earth
- engineering design

5th Grade:

- structure and properties of matter
- matter and energy in organisms and ecosystems
- Earth's systems
- space systems: stars and the solar system
- engineering design

6-8 Science Topics

Physical Sciences:

- structure and properties of matter
- chemical reactions
- forces and interactions
- energy
- waves and electromagnetic radiation

Life Sciences:

- structure, function, and information processing
- matter and energy in organisms and ecosystems
- interdependent relationships in ecosystems
- growth, development, and reproduction of organisms
- natural selection and adaptations

Earth and Space Sciences:

- space systems
- history of Earth
- Earth's systems
- weather and climate
- human impacts

Engineering, Tech., & Applications of Science

- Engineering and Design