

Course: 4th Grade Science

Instructor: Keila Morris

Instructional Plan

Course Content Description Template Provide a brief overview of the course content, including key topics and themes covered throughout the course.

4th grade science explores life science, earth science and physical science.

Key topics covered:

- Scientific Investigating and Reasoning** (scientific method, safety, tools and data recording)
- Matter and Energy** (properties of matter, mixtures and solutions, forms of energy)
- Force and Motion** (force and motion, movement, friction, gravity and magnetism)
- Earth and Space** (weather and erosion, natural resources, conservation, water cycle, and patterns in the sky)
- Organisms and Environments** (life cycles, behaviors, habitats, food chains, ecosystems)

Major Assignments and Projects Template

List the major assignments and projects for the course, including their purpose and any relevant deadlines or evaluation criteria.

Students will complete a variety of assignments and projects throughout the year.

- interactive science journal (notes over each topic covered during the year)
- variety of hands on experiments
- group activities and presentations
- creating and exploring circuits

These projects and assignments provide students opportunities for hands-on learning, collaboration with peers, critical thinking and application of skills learned in class.

Required Textbooks and Instructional Materials Template

List the textbooks and other instructional materials required for the course, including authors, publication dates, and any additional resources needed for successful completion.

Instructional materials used in 4th grade science include:

- Summit K12 dynamic science curriculum (online and student workbooks)
- Summit K12 science experiment kits