



BISHOP ELEMENTARY

WELCOME TO

5TH GRADE Science!



ABOUT THE TEACHER

Mrs. Takesuye

I am excited to help you
grow and learn this
school year.



CONTACT



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CONFERENCE TIME



2:05 to
2:50 PM

GRADING POLICY

60%
FORMATIVE
Class Work,
Homework

40%
SUMMATIVE
Tests

WHAT WE'LL LEARN – TEXAS SCIENCE TEKS



PROPERTIES OF MATTER

- 5.6A Physical properties (mass, volume, density, temperature)
- 5.6B Classify matter by physical properties
- 5.6C Changes in matter when heated or cooled
- 3.6C Changes in motion (speed, direction)
- 5.6D Separate mixtures with filtration, magnetism, evaporation, condensation



FORCE AND MOTION

- 5.7A Unbalanced forces change motion
- 5.7B Measure and graph motion
- 3.7A Investigate how force, speed, and mass affect motion
- 3.7B Predict, measure, and graph motion
- 5.8B Effects of friction
- 5.8C Simple machines
- 4.8A Types of energy (light, sound, heat, electrical, etc.)
- 5.8A Forms and cycles of energy

SPACE

- 5.9A Sun, Moon, and stars in our solar system
- 4.9A Sequence of the Moon's phases
- 4.9B Effects of gravity (tides, etc.)
- 3.9B Sun as a source of energy for Earth's systems



EARTH'S PROCESSES

- 5.10B Surface changes from weathering, erosion, and deposition
- 5.10C Influence of ancient environments and organisms
- 5.10A Rock cycle
- 4.10A Rapid changes (earthquakes, volcanoes, landslides)
- 4.10B Wind and water shape Earth
- 4.10C Fossils provide evidence of ancient life
- 3.10C Patterns of weather
- 4.11A Movement of water (above and below Earth's surface)
- 5.11A Human use and conservation of water



ORGANISMS AND ENVIRONMENTS

- 5.12A Movement of matter and energy through food webs, chains, and ecosystems
- 4.12B How organisms and the environment affect survival (including fossil organisms)
- 3.12B Classify organisms by observable characteristics
- 3.12D Environmental changes that affect organisms
- 5.12B Limiting factors (water, space, food) in an ecosystem
- 5.12C Human impact on the environment



STRUCTURE, FUNCTION, AND SURVIVAL

- 5.12A Structures of organisms enable function, growth, reproduction, and survival
- 5.12B Compare plant and animal cell structures and functions



SCIENCE & ENGINEERING PRACTICES (5.1 – 5.5)



5.1 INVESTIGATE

Ask questions, identify problems, plan and safely conduct investigations, and use tools and models to answer questions or solve problems.



5.2 ANALYZE

Analyze and interpret data, identify patterns and relationships, use math, and recognize sources of error.



5.3 EXPLAIN & COMMUNICATE

Use evidence and models to explain findings, propose solutions, and communicate in many ways. Listen and discuss respectfully.



5.4 SCIENCE & SOCIETY

Understand how scientific discoveries and innovations impact society and explore STEM careers and resources.



5.5 RECURRING THEMES & CONCEPTS

- Use patterns
- Explore cause and effect
- Use scale, proportion, quantity
- Analyze systems and their parts
- Energy flows and matter cycles
- Structure and function
- Stability and change

