



Grade 2

Tools for Measuring Change

- Examine natural cycles and patterns including the length of daylight and darkness varying with the seasons, weather changing from day to day and through the seasons, and the appearance of the Moon changing as it moves in a path around Earth to complete a single cycle
- Examine Humans organize time into units based on natural motions of Earth: second, minute, hour week, month
- Examine how the Sun and other stars appear to move in a recognizable pattern both daily and seasonally
- Observe how plants respond to changes in their environment
- Observe and determine how some animal behaviors are influenced by environmental conditions.

Using Tools for Measurement

- Observe and describe properties of objects
- Identify standard metric units and nonstandard units.
- Sort or classify objects according to their properties.
- Observe Natural cycles and patterns including: the length of daylight and darkness varying with the seasons and weather changing from day to day and through the seasons
- Compare and contrast natural cycles and patterns to include: the length of daylight and darkness varying with the seasons and weather changing from day to day and through the seasons

- Observe plants respond to changes in their environment.
- Observe how particular animal characteristics are influenced by changing environmental conditions (e.g. fat storage in winter, coat thickness in winter, camouflage, shedding of fur).

Physical Science: Energy

- Observe properties of matter
- Identify properties of objects
- Observe or measure properties of objects using specific tools
- Sort or classify objects and/or materials can be according to their properties.
- Observed and described changes in the properties or materials of objects
- Observe and describe energy in various forms: heat, electric, sound, chemical, mechanical, light.
- Use charts, etc., to communicate observations
- Observe and record the interaction between energy and matter: water is evaporated by the Sun's heat; a bulb is lighted by means of electrical current; a musical instrument is played to produce sound; dark colors may absorb light, light colors may reflect light.
- Observe changes in energy
 - ✓ Observe properties of matter using the senses
 - ✓ Determine the various forms of energy
 - ✓ Observe and record plant changes in response to environmental conditions