

**ELEMENTARY SCIENCE
SCOPE AND SEQUENCE
2004-2005**

| | KINDER | FIRST | SECOND | THIRD | FOURTH | FIFTH |
|--|---|--|--|---|---|--|
| <p>The scientific processes are embedded into the content and should be taught through inquiry based science experiences in all content areas throughout the entire school year.</p> <p><i>Bold items are targeted TEKS expected to be tested on the Elementary Science TAKS test which are not addressed again in subsequent years.</i></p> | | | | | | |
| PHYSICAL | <ul style="list-style-type: none"> Parts of a system Properties and patterns | <ul style="list-style-type: none"> Classify physical properties of matter Observe changes in the physical world How parts of a system work together | <ul style="list-style-type: none"> Process skills Classify matter Compare sounds as they travel through matter Changes in matter caused by temp. changes | <ul style="list-style-type: none"> Physical changes of matter Magnetism, motion & forces, simple machines | <ul style="list-style-type: none"> Nature of Science Electricity Reflection & Transformation Matter | <ul style="list-style-type: none"> Nature Of Science Physical Properties of Matter Electricity & Electromagnet Sound Reflection & Refraction |
| EARTH & SPACE | <ul style="list-style-type: none"> Land, soil, water, air Light and shadows Day and night | <ul style="list-style-type: none"> Characteristics of the sun, moon, and earth Distinguish between living on earth and living in space Define the term astronaut Daily & seasonal changes in weather Identify natural water forms Rocks & soil | <ul style="list-style-type: none"> Uses of natural resources Changes in the weather and seasons Layers of the earth Water cycle Motion and forces Phases of the moon Properties of a star Construct a model of the Big Dipper | <ul style="list-style-type: none"> Natural Resources Aquifer Earth structures Earth history Planets of our solar system Characteristics of the sun | <ul style="list-style-type: none"> Weather & Night Sky Earth Materials and Change Over Time Fossils The Sun and Solar Energy International Space Station Project | <ul style="list-style-type: none"> Earth, Moon & Sun Gravity Earth's History Landforms Earth's Resources Cycles in Nature |
| LIFE | <ul style="list-style-type: none"> Ecosystem study: Pond Basic needs of plants/animals Life cycle of animals/plants Life cycle of a butterfly or frog | <ul style="list-style-type: none"> Ecosystem study: Desert Identify characteristics of a desert Animal and plant adaptations | <ul style="list-style-type: none"> Ecosystem study: Woodland Forest Basic needs of plants and animals Living/nonliving objects in a woodland forest Forest animal research (adaptations and interdependence of plants and animals) | <ul style="list-style-type: none"> Ecosystem study: Wetlands Animal and Plant Adaptations Inherited and Learned Traits | <ul style="list-style-type: none"> Intro to Ocean Systems Adaptations Sea Turtles | <ul style="list-style-type: none"> Inherited Traits/Learned Characteristics Adaptations Tree Rings BIG6 Project TAKS Review Atoms, Elements, and Compounds |