

**OVERVIEW OF SCIENCE SKILLS
FOURTH GRADE**

| UNIT CONCEPT - TEKS OBJECTIVE | RESOURCES |
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| Part 1 | Science Process Grade Four Kit |
| Nature of Science, Measurement and Astronomy <ul style="list-style-type: none"> • Safety, Scientific Process, Measurement, and Tools • Solar System • Rotation and Revolution, • Shadows, Eclipses and Moon Phases • Planetarium | Magnetic Demonstration Kit Density Blocks I and II |
| Part 2 | Colored Solutions Kit |
| Living Things <ul style="list-style-type: none"> • Characteristics of Plants and Animals • Plants Needs and Structures, Life Cycles, Adaptations, Inherited Traits, and Photosynthesis • Animal Needs and Structures, Life Cycles, Adaptations, Inherited Traits, and Behaviors • Human Body Systems | Batteries and Bulbs Kit Pendulum Kit Lego Kits Curriculum Guides |
| Part 3 | Science Resource Center |
| Ecosystems <ul style="list-style-type: none"> • Parts of an Ecosystem, Habitats, and Niches • Food Chains, Food Webs, Predator, and Prey • Soil: A Natural Resource • Properties and Conservation of Soil • Ecosystem Changes • Renewable and Nonrenewable Resources and Conservation | Harcourt Textbook and Supplemental Materials Optical Data Laser Disc |
| Part 4 | Houghton Mifflin Computer Software |
| Matter and Weather <ul style="list-style-type: none"> • Properties of Matter, Measuring Mass, and Density • Mixtures, Solutions, and Buoyancy • Weather, Climate, and Direct and Indirect Sunlight Rays • Greenhouse Effect, Wind, and Water Cycle • Air Masses, Fronts, and Weather Maps | Benchmark Tests Planetarium |
| Part 5 | Modeling the Moon's Phases Kit |
| Oceans and Energy <ul style="list-style-type: none"> • Tides and Ocean's Effect on Land • Galveston Bay, Ocean Food Chains, Sea Stars, and Fossils • Forms of Energy • Thermal Energy, Conduction, Convection, and Radiation • Electrical Energy, Conductors, Insulators, and Circuits • Alternative Energy Resources | Galveston Bay Ambassador Program Books: <u>Life Cycle of the Butterfly Energy</u> |
| Part 6 | |
| Forces, Motion, and Machines <ul style="list-style-type: none"> • Effect of Forces on Objects • Kinds of Forces (Magnetism, Friction and Gravity) • Motion and Pendulums • Electromagnets • Work and Simple Machines • Compound Machines | |