

OVERVIEW OF SCIENCE SKILLS

FOURTH GRADE

UNIT CONCEPT - TEKS OBJECTIVE	RESOURCES
Part 1	Science Process Kit
Safety and Scientific Process Skills Measurement Microscopes Astronomy <ul style="list-style-type: none"> ∩ Characteristics of the Sun and Solar System ∩ Rotation, Revolution, and Moon Phases ∩ Constellations and Planetarium 	Magnetic Demonstration Kit Batteries and Bulbs Kit Pendulum Kit
Part 2	Lego Kits
Classify Living Things <ul style="list-style-type: none"> ∩ Vertebrates and Invertebrates, Vascular and Nonvascular Animals <ul style="list-style-type: none"> ∩ Mealworms and Five Basic Needs of Animals ∩ Adaptations and Behaviors Plants <ul style="list-style-type: none"> ∩ Four Basic Needs of Plants and adaptations Human Body Systems	Curriculum Guides Science Resource Center Harcourt Textbook and Supplemental Materials
Part 3	Optical Data Laser Disc
Ecosystems <ul style="list-style-type: none"> ∩ Parts of an Ecosystem, Habitats, Niches, and Food Chains Protecting Ecosystems <ul style="list-style-type: none"> ∩ Changes in Ecosystems and Resource Conservation (Trash Unit) Soil: A Natural Resource <ul style="list-style-type: none"> ∩ Properties and Conservation of Soil 	Houghton Mifflin Computer Software Benchmark Tests Planetarium
Part 4	Galveston Bay Ambassador Program
Matter <ul style="list-style-type: none"> • Properties of Matter and Colored Solutions • Measuring Mass, Density, and Buoyancy Patterns On Earth: Weather <ul style="list-style-type: none"> • Properties of Air • Four Layers of the Atmosphere • Measuring Wind, Rain and Air Pressure and Weather Prediction 	Trash Unit Books: <u>The Sun</u> <u>Life Cycle of the Butterfly</u>
Part 5	
Patterns On Earth: Oceans <ul style="list-style-type: none"> • Ocean Waters, Waves, Currents, Tides, and Galveston Bay • Marine Organisms, Plants, and Fossils Energy <ul style="list-style-type: none"> • How Heat Affects Matter and Thermal Energy • Conduction, Convection, and Radiation • Parallel and Series Circuits – Batteries and Bulbs Kit 	
Part 6	
Forces and Motion <ul style="list-style-type: none"> • Kinds of Forces (Magnetism and Gravity) • Changing Motion and Speed, Pendulum Kits Machines <ul style="list-style-type: none"> • Identify the Six Simple Machines • Compound Machines and Lego Kits 	