

**OVERVIEW OF SCIENCE SKILLS
FOURTH GRADE**

UNIT CONCEPT - TEKS OBJECTIVE	RESOURCES
Part 1	
Safety and Scientific Practices <ul style="list-style-type: none"> Safety and Scientific Practices Matter <ul style="list-style-type: none"> Properties of matter (measurement: mass, volume, temperature, magnetism, sink/float, states of matter) Mixtures including solutions Weather <ul style="list-style-type: none"> Water cycle Measure and record weather conditions Predict changes in weather 	Study Guide Formative Assessment Questions (FAQs) Homework Science Fusion Online Textbook and Supplemental Materials National Geographic online resource Explore Learning Gizmos
Part 2	
Astronomy <ul style="list-style-type: none"> Seasons Shadows Moon phases Geology <ul style="list-style-type: none"> Properties of soil Weathering, erosion and deposition Earth's resources Conservation of resources 	Online Resources Plastics Kit Modeling the Moon's Motion and Phases Kit Water Cycle Model Soil Samples: Sand, Silt, Clay and Loam
Part 3	
Plants and Animals <ul style="list-style-type: none"> Parts of an ecosystem Inherited traits and learned behaviors Structures and functions of plants and animals Plant needs Life cycles of plants and animals Food chains and food webs Changes to ecosystems 	Modeling Stream Erosion and Deposition Kit Wisconsin Fast Plants Plant Adaptations - Leaf Kits Electrical Circuits - Batteries and Bulbs Kit District Progress Monitoring Tests
Part 4	
Energy <ul style="list-style-type: none"> Electricity and electrical circuits Conductors and insulators Forms of energy Forces <ul style="list-style-type: none"> Magnetism Gravity Friction Design an investigation 	Books: Delta Readers Sally Ride, <u>Cool Careers in Science</u> Science Resource Center: Galveston Bay Ambassador Program Aquatic Birds Study Skins Reptiles Demo Planetarium Big Event