

Unit of Study—Objective 3 – Earth science – Change's to Earth Surface Renewable, nonrenewable and Inexhaustible resources					
TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
5.5A	The student knows that a system is collection of cycles, structures, and processes that interact.	Describe some cycles, structures and processes that are found in a simple system	Rock cycle Metamorphic Sedimentary Igneous		Science Saurus Book
5.11A	The student knows that certain past events affect present and future events.	Identify and observe actions that require time for changes to be measurable, including growth, erosion, dissolving, weathering and flow	Crust Mantle Core Plate Magma Volcano Earthquake Fault Continental drift Pangea Fossil		Our Changing Land Game: Kamico
5.11B	The student knows that certain past events affect present and future events.	Draw conclusions about “what happened before” using data such as from tree-growth rings and sedimentary rock sequences	Rock cycle Metamorphic Sedimentary Igneous		Science Saurus Book

5.11C	The student knows that certain past events affect present and future events.	Identify past events that led to the formation of the Earth's renewable, non-renewable, and inexhaustible resources	Natural resource Nonrenewable resource Renewable resource Reusable resource Inexhaustible resource Fossil fuels Natural gas		Popcorn Simulation
5.12 A	The student knows that the natural world includes earth materials and objects in the sky.	Interpret how land forms are the result of a combination of constructive and destructive forces such as deposition of sediment and weathering	Landform Weathering Erosion Deposition Mass movement		Kamico Construction vs. Destruction game
5.12B	The student knows that the natural world includes earth materials and objects in the sky.	Describe processes responsible for the formation of coal, oil, gas, and minerals	Peat Lignite Bitumen Anthracite Recycling		
5.1A TAKS	The student conducts field and lab investigations following home and school safety procedures and environmentally appropriate and ethical practices.	Demonstrate safe practices during field and lab investigations	Plant, eye, heating, clothing, poison, animal, fire, glassware, electrical, sharp objects		Properties of Minerals: Harcourt Book

5.2 A TAKS	The student uses scientific methods during field and lab investigations.	Plan and implement descriptive and simple experimental investigations including asking well-defined questions, formulating testable hypotheses, and selecting and using equipment and technology	Identify problem Gather information Hypothesis Test Experiment Conclusion		Properties of Minerals: Harcourt Book
5.2B TAKS	The student uses scientific methods during field and lab investigations.	Collect information by observing and measuring	Triple beam balance Beaker Flask Graduated cylinder Thermometer Test tube Test tube rack Eyedropper/pipette Tweezers/forceps Goggles Ruler/meter stick		Properties of Minerals: Harcourt Book
5.2C, D, E TAKS	The student uses scientific methods during field and lab investigations	C. Analyze and interpret information to construct reasonable explanations from direct and indirect evidence D. Communicate valid conclusions E. Construct simple graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information	Identify problem Gather information Hypothesis Test Experiment Conclusion		Properties of Minerals: Harcourt Book

5.4 A,B TAKS	The student knows how to use a variety of tools and methods to conduct science inquiry.	<p>A. collect and analyze information using tools including calculators, microscopes, cameras, sound recorders, computer, hand lenses, rulers, thermometers, compasses, balances, hot plates, meter sticks, timing devices, magnets, collecting nets, and safety goggles</p> <p>B. demonstrate that repeated investigations may increase the reliability of results</p>	<p>Triple beam balance Beaker Flask Graduated cylinder Thermometer Test tube Test tube rack Eyedropper/pipette Tweezers/forceps Goggles Ruler/meter stick</p>	<p>Triple beam balance balance Beaker Flask Graduated cylinder Thermometer Test tube Test tube rack Eyedropper/pipette Tweezers/forceps Goggles Ruler/meter stick</p>	Properties of Minerals: Harcourt Book
5.1B	The student conducts field and laboratory investigations following home and school safety procedures and environmentally appropriate and ethical practices.	make wise choices in the use and conservation of resources and the disposal or recycling of materials	Reduce Reuse Recycle		

CURRICULUM GUIDE
Fifth Grade Science
Third Six Weeks