



MOHAWK

Local School District

Preparing today's students for tomorrow's challenges

Mohawk Local Schools Grade 4th SCIENCE

Quarter 2 Curriculum Guide

Guiding Principles of the Scientific Inquiry/Learning Cycle:

Evaluate...Engage...Explore...Explain...Extend...Evaluate

Identify ask valid and testable questions

Research books, other resources to gather known information

Plan and Investigate

Use appropriate mathematics, technology tools to gather, interpret data.

Organize, evaluate, interpret observations, measurements, other data

Use evidence, scientific knowledge to develop explanations

Communicate results with graphs charts, tables

Critical Areas of Focus Being Addressed:

- Earth's Surface
- Electricity, Heat, and Matter
- Earth's Living History
- Scientific Inquiry and Application

Content Statements Addressed and Whether they are Knowledge, Reasoning, Performance Skill, or Product:
(DOK1) (DOK2) (DOK3) (DOK4)

Underpinning Targets Corresponding with Standards and Whether they are Knowledge, Reasoning, Performance Skill, or Product: "I can.....", "Students Will Be Able To....."

Earth's surface has specific characteristics and landforms that can be identified(DOK2)

The students can explain that 70 percent of the Earth's surface is covered with water and most of which is ocean. (DOK2)

	<p>The students can research and identify landforms and the processes in which they are created. (DOK2)</p> <p>The students can design and construct a model of a landform and explain the process by which it formed. (DOK3)</p> <p>The students can synthesize information related to landforms and their processes and present the findings to others. (DOK2)</p>
<p>The surface of Earth changes due to weathering (DOK2)</p>	<p>The students can explain the process of weathering in changing the Earth's surface. (DOK2)</p> <p>The students can explain the process of erosion and deposition in changing the Earth's surface. (DOK2)</p> <p>The students can differentiate between weathering, erosion, and deposition. (DOK2)</p> <p>The students can connect concepts of weathering, erosion, and deposition to the real world. (DOK2)</p> <p>The students can design, construct, and evaluate a model using research to prevent riverbank erosion.(DOK3)</p>
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