



# MOHAWK

## Local School District

*Preparing today's students for tomorrow's challenges*

### Mohawk Local Schools      Grade K SCIENCE

### Year Long 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 Science
- Physical Science
- Life Science

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....."

Q1. Objects and materials can be sorted and described by their properties. (on going throughout the year) (DOK 2)

- I can observe, explore, describe, and compare the properties of objects and materials. R

Q1. Living things are different from nonliving things (on

- I can observe, explore, describe, and compare living

going throughout the year) (DOK 2)	things in Ohio. R
Q1. Living things have physical traits and behaviors, which influence their survival. (on going throughout the year) DOK 2)	<ul style="list-style-type: none"> <li>• I can observe, explore, describe, and compare living things in Ohio. R</li> <li>• I can observe and ask questions about the natural environment. R</li> </ul>
Q2. Some objects and materials produce sound. (on going throughout the year) (DOK2)	<ul style="list-style-type: none"> <li>• I can observe, explore, describe, and compare the properties of objects and materials in regard to the production of sound. R</li> <li>• I can observe and ask questions about the natural environment. R</li> <li>• I can create sound in a variety of ways, such as tapping, blowing, and plucking. R</li> </ul>
Q3. The moon, sun and stars are visible at different times of the day or night. (on going throughout the year) (DOK2)	<ul style="list-style-type: none"> <li>• I can observe, explore, describe, and compare patterns in the sky. R</li> <li>• I can plan and conduct simple investigations. R</li> <li>• I can employ simple equipment and tools to gather data and extend the senses. R</li> <li>• I can use appropriate mathematics with data to construct reasonable explanations. R</li> <li>• I can communicate about observations, investigations, and explanations. R</li> <li>• I can review and ask questions about the observations and explanations of other. R</li> </ul>
Q4. Weather changes are long term and short term (on going throughout the year) (DOK2)	<ul style="list-style-type: none"> <li>• I can observe and ask questions about the natural environment. R</li> <li>• I can plan and conduct simple investigations. R</li> <li>• I can employ simple equipment and tools to gather data and extend the senses. R</li> <li>• I can use appropriate mathematics with data to construct reasonable explanations. R</li> <li>• I can communicate about observations, investigations, and explanations. R</li> <li>• I can review and ask questions about the observations and explanations of other. R</li> </ul>

