Mohawk Local Schools 2nd Grade SCIENCE

Quarters: 3-4 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:

- Interactions within Habitats
- Changes in Motion

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……."
(Life Sciences): Living things cause changes on Earth. (DOK3)	(DOK1) • I know that wildlife exists in every country on the planet. (DOK2) • I can observe and ask questions about the natural

	environment. • I can observe, explore, describe, and compare living things in Ohio. (DOK3) • I can research a given animal and learn how its physical attributes help it to meet its needs.
(Life Sciences): Some kinds of individuals that once lived on Earth have completely disappeared, although they were something like others that are alive today. (DOK4)	(DOK1) • I can identify conditions necessary for fossilization. (DOK2) • I can understand how organisms are adapted to their environment and understand the relationships of modern and ancient communities with their environments. • I can evaluate the importance of fossils to our understanding of pre-history. (DOK4) • I can create a possible scenario for formation of fossils.
(Physical Science): Forces change the motion of an object. (DOK2)	(DOK2) • I can observe the relationships between forces and motion. • I can observe and describe how some forces act without touching using a magnet to move an object or objects falling to the ground. • I can explain how the change in motion of an object is related to the force. • I can describe how motion can increase, change direction, or stop, depending on the force applied.