

Grades PreK-2

MINDS-ON THEORETICAL/ CONCEPTUAL

GUIDING QUESTION

- Ask questions about objects, organisms, and events in the environment.
- Tell about *why and what would happen if?*
- Make predictions based on observed patterns.

HANDS-ON SCIENTIFIC METHODS

CONCLUDE/ DISCUSS/ EXPLAIN EVIDENCE

- Discuss observations with others.

FIND PATTERNS IN DATA

LEARN CONCEPTS
(Perceived regularities in objects or events)

RECORD OBSERVATIONS

- Record observations and data with pictures, numbers, or written statements.

EXPLORE OBJECTS & EVENTS

- Name and use simple equipment and tools (e.g. rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses.