

Grades 3-5

**MINDS-ON
THEORETICAL/ CONCEPTUAL**

**GUIDING
QUESTION**

**HANDS-ON
SCIENTIFIC METHODS**

- Ask questions and make predictions that can be tested.
- Conduct multiple trials to test a prediction. Compare the result of an investigation or experiment with the prediction.

- CONCLUDE/DISCUSS/EXPLAIN EVIDENCE**
- Communicate to others in oral and written reports.
 - Recognize simple patterns in data and use data to create a reasonable explanation for the results of an investigation or experiment.

LINK CONCEPTS TO PRINCIPLES

FIND PATTERNS IN DATA

- Transform data into graphs, charts, maps and models

**LEARN CONCEPTS
(Perceived regularities in objects or events)**

RECORD OBSERVATIONS

- Keep accurate records while conducting simple investigations or experiments.

EXPLORE OBJECTS & EVENTS

- Select and use appropriate tools and technology (e.g. calculators, computers, balances, scales, meter sticks, graduated cylinders) in order to extend observations.