

**Grades 3-5**

**GUIDING QUESTION**

- 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.

**HANDS-ON SCIENTIFIC METHODS**

**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.

**FIND PATTERNS IN DATA**

- Transform data into graphs, charts, maps and models

**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.

**MINDS-ON THEORETICAL/ CONCEPTUAL**

LINK CONCEPTS TO PRINCIPLES

LEARN CONCEPTS  
(Perceived regularities in objects or events)