

Planning and Carrying Out Investigations

Elements of Student Performance

Lower Elementary (KG-2)



Science & Engineering Practice 3

Observable features of the student performance by the end of grade 2:

Identifying the phenomenon to be investigated

Identify and describe the phenomenon under investigation.
Identify and describe the purpose of the investigation, which includes a question about the phenomenon.

Identifying the evidence to address this purpose of the investigation

Describe the evidence to be collected in the investigation plan.
Describe how the evidence will address the purpose of the investigation through the relevant crosscutting concept*.
Make predictions based on prior experiences.

* Investigations may be observational (patterns) or experimental (cause and effect)

Planning the investigation

Describe the procedure in the investigation plan*.
Describe how the data will be collected, recorded, and organized.

*investigation plan may be teacher-given or collaboratively developed depending on the standard

Collecting the Data

Collect, record, and organize data based on the investigation plan.

[K-PS2-1](#) / [K-PS3-1](#) / [1-PS4-1](#) / [1-PS4-3](#) / [1-ESS1-2](#) / [2-PS1-1](#) / [2-LS2-1](#) / [2-LS4-1](#)