

Sample Rubric

	Outstanding	Proficient	Developing
Investigation setup	Student analyzes and/or questions appropriately the setup of the experiment	Student accurately explains setup of the experiment	Student summarizes what is done in experiment
Communication of Ideas (Verbal)	Student actively listens to others and shares own ideas related to investigation	Student does not listen to others' ideas or does not share own ideas.	Student does not listen to others and does not share own ideas.
Communication of detailed steps for creating various lines on graph (Written)	Student provides in own words a detailed explanation	Student provides a summary of steps	Student gives incomplete explanation or does not attempt to explain
Predictions through use of evidence	Student give priority to data and evidence to form logical predictions	Student uses some of the data to form logical predictions	Student uses little to no data to form logical predictions
Connection to science knowledge	Student is able to connect the established science concepts to his own explanation.	Student only vaguely connects own explanation to the established science concepts.	Student does not make the connection between to established science concepts.

Connection to NGSS

3-PS2 Motion and Stability: Forces and Interactions

3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

Clarification Statement: Examples of motion with a predictable pattern could include a child swinging in a swing, a ball rolling back and forth in a bowl, and two children on a see-saw.] *[Assessment Boundary: Assessment does not include technical terms such as period and frequency.]*