

Science Rubric

	3	2	1	0	Total Points
Explanations and Ideas	Independently creates ideas and explanations about what was observed. Communicated them orally and investigated the ideas.	Independently creates ideas and explanations about what was observed and communicated them orally.	Posed concrete ideas and explanations about what was observed and communicated them with some prompting from the teacher.	Little or no effort in creating ideas or explanations even with the help of the teacher.	
Hypothesis/Conclusion	Independently used both prior knowledge and data to create a valid hypothesis and conclusion	With occasional prompting, student used both prior knowledge and data to create a valid hypothesis and conclusion	With extensive prompting, a valid hypothesis and conclusion were created	No hypothesis and/ or conclusion were created.	
Use of “what if” questions	Expand their ideas and explanations by using “what if” questions to connect to real life situations.	Change their misconceptions and conclusions based on the data gathered from the experiment.	With prompting, misconceptions were recognized and changed.	A number of misconceptions remain and little was learned from the experiment.	
Scientific Vocabulary	Scientific language and vocabulary were used consistently in both written work and discussion.	Used scientific language to describe observations but not in written work.	Few scientific vocabulary words were used during discussion or in written work.	Less than three scientific words were used during the experiment.	
Illustrations	Illustrations are appropriately labeled and detailed.	Illustrations are appropriately labeled with no detail.	Illustrations are simple with few labels and no details.	Illustrations have no labels and no details.	