Science Fair Project:
Experiment: Kindergarten – 3rd Grade

Category	2	1	0	Points Awarded
Testable Question Student identifies a question to experiment and learn more about.	The question shows higher order thinking skills and exceeds expectations.	The question asks a specific measurable cause and effect and shows clear purpose.	The question or problem is unclear or cannot be tested.	
Research Student completes research to build background understanding to help make predictions and ideas on how to conduct the experiment.	Research completed to create hypothesis. At least two sources used.	Research completed to create hypothesis. One source used.	Research not used to create the hypothesis.	
Hypothesis Student created prediction or guess on what will happen during and at the end of the experiment.	Considered multiple variables to the problem to make the most reasonable prediction.	Predicts a reasonable outcome based on one variable.	Hypothesis is not considered or clear prediction is not stated.	
Procedure Student creates directions to follow for experiment and understands why those steps are necessary.	Procedure is well thought-out and can be easily repeated.	Procedure is clear but not documented.	Procedure is difficult to follow.	
Data or Observations Student records (video, paper/pencil, etc.) data (numbers) or observations (changes) that occur during the experiment.	Data or observations from the experiment are presented in an organized manner for everyone to clearly read.	Data or observations from the experiment are included but unclear.	Data or observations from the experiment are not included.	
Results Student summarizes the results of the experiment compared to the hypothesis.	Clearly defined sentence(s) explains the results. Includes if the prediction was accurate or not.	Clearly defined sentence(s) explains the results.	Results are not included.	
Real-World Application Describes how the results of the experiment can be used in the real world.	A connection has been made to how the results can be useful in the real world and is reasonable.	A connection has been made to how the results can be useful in the real world.	The results have not been connected to real world application.	

Student Name _____