

GRADES K-5

Judging Criteria

Experiment or Observation

Project Title: _____

Sequence

Number: _____

Academy of Science- St. Louis Science Fair
Sciencefairstl.org

Project Elements	Description of Criteria	Possible Score	Score
SAFETY			
Signed Safety Form	All projects are required to have a signed safety form uploaded with their project.	0-5	
Safety Guidelines	Students should provide detailed descriptions on how they followed the safety guidelines in their logbook and/or presentation.	0-5	
SCIENTIFIC PROCESS			
Judging components under this heading can be in either the logbook and/or presentation.			
Testable Question	Asks a specific, measurable, cause & effect question or clear purpose of project given.	0-5	
Prediction/Hypothesis	Predicts a reasonable outcome as a result of a specific change.	0-5	
Procedure	Describe process. High score would indicate that the project can be repeated after reading.	0-5	
Background	Describe why this project was selected and describe research. Shows evidence student understands project. Explains why project is important	0-5	
Trials/ Samples	At least 3 trials/samples are shown OR 3 observations made.	0-5	
Variables/ Constant Conditions	Identify independent variable, dependent variable and constant conditions.	0-10	
Data/ Results	<ul style="list-style-type: none"> • Use photos/charts/graphs /illustrations to show data. • All data should be labeled. • Demonstrates appropriate application of mathematical and statistical methods. • High score shows data is clear, accurate and parts are well labeled. 	0-10	
Conclusion & Reflection	Reflects what the student has learned. Were there any surprises? What would you do differently or to continue the project?	0-10	
PRESENTATION/QUAD CHART			
Title & Description	Title of project and overview of project	0-5	
Clarity & Organization	Logical organization of materials. Images/graphics are related to the project. Text is legible.	0-5	
LOGBOOK			
Dated Entries	High score indicates that student has written process, observations and data in logbook during experiment or observation.	0-10	
Works Cited/Sources	Include a list with at least 3 sources that the student used for their project.	0- 5	
OVERALL CREATIVITY/INNOVATION/ENGAGEMENT			
Creativity/Innovation/Engagement	Student demonstrates an understanding of the subject matter or innovative/creative way of approaching their project.	0-10	
Total Possible Score		0-100	
TOTAL SCORE: ___/100			