

**GRADES 3-5**

Judging Criteria

**Experiment  
or  
Observation****ACADEMY OF SCIENCE – ST. LOUIS  
SCIENCE FAIR**

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Row: \_\_\_\_\_ Position: \_\_\_\_\_

Sequence  
Number: \_\_\_\_\_

Project Elements	Description of Criteria	Possible Score	Score
<b>DISPLAY BOARD SCIENTIFIC PROCESS:</b>			
Testable Question	Asks a specific, measurable, cause & effect question or clear purpose of project given.	0-5	
Prediction	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 or samples are shown OR 3 observations made.	0-5	
Constant Conditions	Identify independent variable, dependent variable and constant conditions.	0-10	
Data and identification	<ul style="list-style-type: none"> <li>• Use photos/charts/graphs /illustrations to show data.</li> <li>• All data should be labeled.</li> <li>• Demonstrates appropriate application of mathematical and statistical methods.</li> <li>• High score shows data is clear, accurate and parts are well labeled.</li> </ul> <i>(Note to student: Items that are valuable or valued by the student are not to be displayed – use photos/illustrations instead)</i>	0-15	
Conclusion & Reflection	Reflects what the student has learned. Were there any surprises? What would you do differently or to continue the project?	0-10	
<b>LOGBOOK:</b>			
Signed Safety Form & guidelines	All projects are required to have a signed safety form (placed on the inside cover of log book). Students should also provide detailed descriptions on how they followed the safety guidelines in their log book.	0-10	
Dated Entries	High score indicates that student has written process, observations and data in log book during experiment or observation.	0-15	
Bibliography	Include Bibliography with at least 3 sources	0- 5	
<b>OVERALL CREATIVITY/INNOVATION/ENGAGEMENT:</b>			
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	
<b>TOTAL SCORE:</b>			_____