

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 | |
| 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 | | 90 | |
| TOTAL SCORE: _____ | | | |