



# 3<sup>rd</sup> – 8<sup>th</sup> Grade Experiment Rubric

## Science Research Project (Judging if it was a Fair Test of the Problem)

Each of the five categories should be judged as a unit. Incorrect science information takes it to a 1.

**NOTE: If they meet all of the criteria for an area, the score is “Correct and Complete” (Possible Blue Ribbon). Scores in “Above and Beyond Mastery” would indicate an exceptional project that may be worthy of a special award.** These scores are only a guide, not a requirement, when awarding ribbons.

### 1. Science Process Skills and Nature of Technology

- Problem (may be Title) or question are valid for the project (narrow and testable)
- Research sources are listed
- Hypothesis or Prediction is logical and based on research

Incorrect	Correct but Incomplete	Correct and Complete (Mastery)	Above and Beyond Mastery

### 2. Problem Solving

- Procedure is repeatable and listed step-by-step.
- Only one variable (change) was allowed.
- Trials are repeated reasonable number of times.
- A “Control Trial” was completed. (Checks for normal results of test without changing anything)

Incorrect	Correct but Incomplete	Correct and Complete (Mastery)	Above and Beyond Mastery

### 3. Mathematical Processes

- Results are measurements of the changes, not opinions.
- Results are measurements that are easily read. (Graph or data table)
- Conclusion is based on the most important data or trend of the data. (e.g. averages)

Incorrect	Correct but Incomplete	Correct and Complete (Mastery)	Above and Beyond Mastery

### 4. Communication Skills

- Oral presentation demonstrates student’s scientific knowledge and understanding of the project.
- Project is logically organized and readable.
- No major mechanical errors in written sections. (spelling, punctuation, grammar errors)

Incorrect	Correct but Incomplete	Correct and Complete (Mastery)	Above and Beyond Mastery

### 5. Student Work

- **Abstract of project** explains what they wanted to do, what they did, and what they found.
- Skill level is appropriate for this student.
- Project display is neat and attractive.

Incorrect	Correct but Incomplete	Correct and Complete (Mastery)	Above and Beyond Mastery