Science Fair Rubric

Scientific Question and Hypothesis (20 points)

Clarity and Appropriateness of Question (10 points):

- ☐ 9-10: The question is clear and testable.
- ☐ 7-8: The question is mostly clear but could be more focused or simpler.
- ☐ 5-6: The question is somewhat unclear or not fully testable.
- ☐ 0-4: The question is unclear, too advanced, or not testable.

Hypothesis (10 points):

- ☐ 9-10: The hypothesis is specific and testable.
- ☐ 7-8: The hypothesis is testable but may lack specificity.
- ☐ 5-6: The hypothesis is vague or not entirely connected to the question.
- ☐ 0-4: The hypothesis is missing or not testable.

Experimental Design and Procedure (20 points)

Detail and Simplicity (20 points):

- ☐ 18-20: The procedure is clear, detailed, and easy to follow.
- ☐ 14-17: The procedure is mostly clear but could use more detail.
- ☐ 10-13: The procedure is unclear or missing important steps.
- ☐ 0-9: The procedure is incomplete or poorly written.

Data Collection and Analysis (20 points)

Data Recording (15 points):

- ☐ 13-15: Dates, times, and measurements are clearly noted.
- ☐ 10-12: Data is mostly complete but may lack some detail or consistency.
- ☐ 7-9: Data is inconsistently recorded or missing key elements.
- ☐ 0-6: Data is poorly recorded or missing.

Data Presentation (5 points):

- ☐ 5: Data presented in charts, graphs, or tables that are clearly labeled.
- ☐ 3-4: Data is presented but may lack organization or clarity.
- ☐ 1-2: Data is poorly presented or difficult to interpret.
- ☐ 0: Data presentation is missing or inadequate.

Conclusion (10 points)

Clarity and Understanding (10 points):

- ☐ 9-10: The conclusion is clear and addresses the hypothesis.
- ☐ 7-8: The conclusion addresses the hypothesis but may lack depth.
- ☐ 5-6: The conclusion is vague or only partially addresses the hypothesis.
- ☐ 0-4: The conclusion is missing or unrelated to the experiment.

Presentation and Organization of Submission (10 points)

Neatness and Effort (5 points):

- ☐ 5: The project is neat, age-appropriate, and shows strong effort.
- ☐ 3-4: The project is mostly neat but may have minor errors or inconsistencies.
- ☐ 1-2: The project is disorganized or difficult to follow.
- ☐ 0: The project is messy or shows little effort.

Completeness (5 points):

- ☐ 5: All required elements are included
- ☐ 3-4: Most required elements are included but may lack some detail.
- ☐ 1-2: Several required elements are missing or incomplete.
- ☐ 0: The submission is missing many required elements.

Video Submission (20 points)

Explanation and Engagement (10 points):

- ☐ 9-10: Clearly explains why the topic was chosen and what inspired them.
- ☐ 7-8: Explains their topic choice but may lack clarity or enthusiasm.
- ☐ 5-6: Explanation is vague or missing key details.
- ☐ 0-4: Does not explain why the topic was chosen.

Reflection and Learning (10 points):

- ☐ 9-10: Clearly shares what they learned with thoughtful insights.
- ☐ 7-8: Mentions what they learned but lacks depth or detail.
- ☐ 5-6: Provides minimal reflection on what they learned.
- ☐ 0-4: Does not share what they learned.