

*Ed Fest Science Rubric – Experiment/Project*

Student Name \_\_\_\_\_ School \_\_\_\_\_ Grade \_\_\_\_\_

Student will ask a question, do background research, construct a hypothesis, test the hypothesis by doing an experiment, analyze the data. draw a conclusion and communicate the results. Projects/demonstrations most closely align here and will be guided by this rubric.

Experiment/ Project	5	4	3	2	1
<b>Question and Hypothesis Development</b> #2, #3, & #4	Independently identified an interesting question which could be investigated and developed a hypothesis after research and observation. Properly formatted bibliography with multiple sources.	Identified an interesting question which could be investigated and developed a hypothesis after some research and observation. . Properly formatted bibliography with multiple sources.	Identified a question which could be investigated and developed a hypothesis after research or observation. Contains basic bibliography.	Identified a question and developed a hypothesis. Contains marginal bibliography.	Identified a question without developing a hypothesis. Contains no bibliography.
<b>Procedure and Data Collection</b> #2 & #3	Outlined experiment/project procedures in a step- by-step fashion that could be followed by others. Collected data several times and summarized results in a way that clearly described what was discovered.	Outlined experiment/project procedures in a step- by-step fashion. Collected data several times and summarized results that describe what was discovered.	Outlined experiment/project procedures in a step- by-step fashion. Collected data and summarized results.	Describes experiment/project procedures. Collected some data and summarized results.	Experiment/project procedures are briefly described. Little data has been collected and/or summarized.
<b>Conclusion and Summary</b> #2 & #3	Provided a detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement.	Provided a detailed conclusion based on the data and related to research findings and the hypothesis statement.	Provided a conclusion based on data and related to research findings and the hypothesis statement.	Provided a conclusion based on data or related to research findings and the hypothesis statement.	Provided a conclusion based on data or research findings.
<b>Presentation</b> #1 & #3	The display contains all required elements, is clearly written and labeled, contains no spelling or grammatical mistakes, and is in the <b>student's own words</b>	The display contains all required elements, is clearly written and labeled, contains some spelling or grammatical mistakes, and is almost all the <b>student's own words</b>	The display contains most required elements, is labeled, but contains some spelling or grammatical mistakes, and is almost all the <b>student's own words</b>	The display contains some elements, is labeled, but contains spelling or grammatical mistakes, and is written using some of the <b>student's own words</b>	The display contains some elements and contains noticeable spelling and grammatical errors and contains little in the <b>student's own words</b>