**BRYANT MIDDLE SCHOOL**

**7TH GRADE SCIENCE FAIR PROJECT RUBRIC**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **3** | **2** | **1** |
| **QUESTION** **HYPOTHESIS** | Question is unique, meaningful and well researched. Hypothesis is clearly stated as an “If… then” statement.  | Question is common.  Hypothesis is stated.  | Question is not stated. Hypothesis is not in an “If… then” statement.  |
| **BACKGROUND** **RESEARCH** | Research is thorough, specific and makes a real world connection. | Research is evident, however lacks any depth and details relevant to real world connections. | Research is not evident and/or does not support the question or hypothesis. |
| **EXPERIMENT** **DESIGN** | All materials are listed.  The procedure is written with specific steps.  The experiment is designed to test the hypothesis and attempts to answer the question. | Most materials are listed.  Some steps of the procedure are missing.  The design of the experiment begins to test the hypothesis and attempts to answer the question. | The list of materials is minimal. The procedure is missing many steps.  The experiment is not designed to test the hypothesis or answer the question. |
| **VARIABLES**  | The experiment contains only one independent variable.  All control variables and dependent variables listed. | The experiment contains more than one independent variable. There are control variables and dependent variables listed. | The experiment contains no independent variable. Control variables and dependent variables listed are inaccurately listed. |
| **DATA** | Experiment contains both quantitative and qualitative data.  Sample size is reasonable for experiment. Data is presented in an organized graph or chart. | Experiment contains data.  Sample size is limited for the experiment presented. Data is presented in a chart or graph. | Qualitative and quantitative data is missing or inaccurate. Sample size is not large enough to draw accurate conclusions. Data is not presented at all.  |
| **CONCLUSION** | Explains if hypothesis was or was not supported by data.  Sources of error are explained.   | States if hypothesis is not clearly supported by data.  Sources of error are recognized but not explained. | Does not state or explain if hypothesis was or was not supported by data. Sources of error are not explained nor recognized. |
| **POSTER****BOARD** | Board is neat, attractive and creative.  Spelling and grammar are correct.  Graphs and charts are properly labeled. | Board is neat.  Spelling and grammar does not detract from meaning of information. Graphs and charts are labeled, but may have mistakes. | Board is poorly organized.  Spelling and grammar take away from information presented. |