

# Bryant Middle School Science Fair – May 18, 2017

The Science Fair project is a mandatory assignment for all Bryant Middle School students. It will be a summative grade for the 6<sup>th</sup> marking period. A science fair rubric will be used to grade the final project. Students must present their science fair project to their class. The evening science fair competition is optional.

Many students would like to work with another student to complete their project. This may entail many days of working together at one house or another or together at an alternate location such as the library. Parents may need to assist in transporting students to and from an alternate location to complete their work.

Please talk to your child about topic ideas for a science fair project. Also discuss their partner choice to make sure you feel it would be a cooperative working partnership.

Please return the following to be approved for a topic.

Name-\_\_\_\_\_Hour\_\_\_\_\_

Partner-\_\_\_\_\_Hour\_\_\_\_\_Teacher\_\_\_\_\_

Question-

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Hypothesis-

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Explain how hypothesis will be tested-

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Parent Signature-\_\_\_\_\_

## BRYANT 7<sup>TH</sup> GRADE SCIENCE FAIR PROJECT RUBRIC

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<b>QUESTION HYPOTHESIS</b>	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.
<b>BACKGROUND RESEARCH</b>	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.
<b>EXPERIMENT DESIGN</b>	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.
<b>VARIABLES</b>	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.
<b>DATA</b>	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.
<b>CONCLUSION</b>	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.
<b>POSTER BOARD</b>	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.