

**SSMS Science Fair Project
Evaluation Rubric**

Project Type:

EXPERIMENT	INNOVATION	STUDY
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Project Title: _____

Student: _____

Project Number:

Grade _____

Performance Criteria	Low	Fair	Good	Excellent
<p>Scientific Thought (25%)</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin-left: 20px;"></div>	<p>EXPERIMENT</p> <ul style="list-style-type: none"> • Duplication of a known experiment to confirm a hypothesis; totally predictable. <p>INNOVATION</p> <ul style="list-style-type: none"> • Build a model or device to duplicates existing technology. <p>STUDY</p> <ul style="list-style-type: none"> • Existing published material is presented, without analysis. 	<p>EXPERIMENT</p> <ul style="list-style-type: none"> • Modification of the question hypothesis, variables, and procedures of a known experiment. <p>INNOVATION</p> <ul style="list-style-type: none"> • Improve or demonstrate new applications for existing technologies, and justify them. <p>STUDY</p> <ul style="list-style-type: none"> • Existing published material is presented with modest analysis and/or • A simple study giving limited data with no meaningful results 	<p>EXPERIMENT</p> <ul style="list-style-type: none"> • Elaboration of an original experiment with own question and hypothesis. • Some variables are identified and controlled. • Data presented in simple graph or table. <p>INNOVATION</p> <ul style="list-style-type: none"> • Design and build innovative technology. Benefits to humans should be evident. <p>STUDY</p> <ul style="list-style-type: none"> • Study based on systematic observation and a literature review. • Detailed description of the methodology to collect and analyze the data. 	<p>EXPERIMENT</p> <ul style="list-style-type: none"> • Elaboration of an original experiment with own question and hypothesis. • Most variables are identified and controlled. • Data well presented and analyzed. <p>INNOVATION</p> <ul style="list-style-type: none"> • Integrate several technologies or inventions or design and construct an innovative application with human and/or commercial benefit. <p>STUDY</p> <ul style="list-style-type: none"> • Study correlates information from a variety of peer-reviewed publications and reveals significant new information or solution to a problem • Detailed description of the methodology to collect and analyze the data.
Mark Range	15	19	20 to 22	23 to 25
<p>Project Creativity (20%)</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin-left: 20px;"></div>	<ul style="list-style-type: none"> • Little imagination. • Simple project design: • Partial plan to validate hypothesis. • Minimal student input. • A textbook type project. 	<ul style="list-style-type: none"> • Some creativity. • Fair to good design: • Sufficient plan to validate hypothesis. • Standard use of common resources. • Common topic. 	<ul style="list-style-type: none"> • Imaginative project. • Good design: • Above ordinary approach. • Good use of resources. • Creativity in design and topic. 	<ul style="list-style-type: none"> • Highly original project. • Exemplary design: • Original approach. • Very creative use of equipment and/or construction.
Mark Range	6	7 to 11	12 to 16	17 to 20

Display (15%) 	<ul style="list-style-type: none"> Needs to be held upright. Hard to read and understand. Shows little effort. 	<ul style="list-style-type: none"> Stays upright but flimsy. Understood if explained. Readable. Shows some effort. 	<ul style="list-style-type: none"> Self-standing; proper dimensions. Easy to read and understand. Well done. Shows a lot of effort. 	<ul style="list-style-type: none"> Self-standing and attractive; proper dimensions. Self explanatory. Flows logically. Very well done. Shows a great deal of effort.
Mark Range	4	5 to 8	9 to 12	13 to 15
Written Report (10%) 	<ul style="list-style-type: none"> No title page. Format incomplete. Weak presentation. Many spelling and/or grammar mistakes. 	<ul style="list-style-type: none"> Adequate title page. Missing format elements. Adequate presentation. Some spelling and/or grammar mistakes. 	<ul style="list-style-type: none"> Very good title page. Content complete. Very good presentation. Some spelling and or grammar mistakes. 	<ul style="list-style-type: none"> Excellent title page. All elements are neat. Well presented. Accurate spelling and grammar.
Mark Range	4	5 to 8	9	10
Scientific Concepts (20%) 	<ul style="list-style-type: none"> No scientific concepts are explained or have been learned. 	<ul style="list-style-type: none"> Some brief explanation revealing that something scientific was learned. 	<ul style="list-style-type: none"> Good explanation about the science that was learned. Concepts are related to the experiment. 	<ul style="list-style-type: none"> Excellent explanation about what was discovered, which may be used to pursue new questions for a possible experiment.
Mark Range	5	10	15	20
Oral Presentation (10%) 	<ul style="list-style-type: none"> Poor presentation. Lack of knowledge. 	<ul style="list-style-type: none"> Fair presentation. Little knowledge communicated. 	<ul style="list-style-type: none"> Very good presentation. Adequate knowledge communicated. 	<ul style="list-style-type: none"> Excellent presentation. Confident about knowledge communicated. Convincing and enthusiastic.
Mark Range	4	5 to 6	7 to 8	9 to 10

Total Marks /100

Judge's Comments:

Signed: _____

Date: _____