

<b>Originality and Creativity – 25% (Award one mark, to a maximum of 25)</b>			<b>Mark: /25</b>
<b>Fair (5-10)</b>	<b>Good (11-15)</b>	<b>Very good (16-19)</b>	<b>Excellent (21-25)</b>
Little imagination shown. Project design is simple with minimal student input. A textbook-type project.	Some creativity shown in a project of fair to good design. Standard approach using common resources or equipment. Topic is common relative to competitors.	Imaginative project with good use of available resources. It is well thought out and some aspects are above average. Creativity is shown in the project design and/or use of materials.	A highly original project or a novel approach. Shows resourcefulness and creativity in design, use of equipment and/or construction of project. Project represents a new contribution to the field.

<b>Communication – 30% (Award one mark, to a maximum of 30)</b>			<b>Mark: /30</b>
<b>Note: Videos and logbook pages were not mandatory and should not be judged.</b>			
<b>Fair (5-15)</b>	<b>Good (16-20)</b>	<b>Very good (21-25)</b>	<b>Excellent (26-30)</b>
There is little evidence of attention to effective communication. Most sections require further clarification or explanation.	There is evidence of attention to communication, though several sections require further clarification or explanation.	Clear attention to detail and substance. All sections are well thought out and presented, though some may require further clarification or explanation.	This online project has creatively utilized the format made available, is attractive, and well presented. The sections are concise and descriptive. The visual displays are logical and self-explanatory.

<b>TOTAL SCORE – 100%</b>		<b>/100</b>
Scientific Thought (max 45)		
Originality and Creativity (max 25)		
Communication (max 30)		

**Notes**

(As you will not be able to add comments to the student's project board, please write any here and we will add them on your behalf)

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Project Number:

Judge's Name:

**Scientific Thought\* – 45% (Award one mark, to a maximum of 45)**

**Mark: /45**

When assigning a mark to a project, factor the level of difficulty of both the content material and the experimental design relative to the age and grade level of the student. The final score should be awarded as compared with other projects in the same category being examined using the elements below, the level of difficulty, and other criteria, including the following criteria: understanding, technical skill, thoroughness and effort, concordance of conclusions and results.

Discovery	Innovation	Study
<b>Fair (Max 30)</b>		
<i>Duplicate a known experiment to confirm the hypothesis. The hypothesis is very predictable.</i>	Build models (devices) to duplicate existing technology.	Study conducted from a limited number of sources related to a basic issue and unaccompanied by any analysis.
<b>Good (31-35)</b>		
<i>Use multiple replications of the same or similar test to strengthen an existing study. Most of the significant variables are identified and controlled.</i>	Make improvements to or demonstrate new applications for existing technological systems or equipment and justify them.	Study material collected through a compilation of existing data and personal observations. An application for this knowledge is evident.
<b>Very Good (36-40)</b>		
Extend a known experiment using multiple replications. Significant analysis is demonstrated using graphs or simple statistics. Shows command of technique and skill.	Design and build innovative technology or provide adaptations to existing technology that will have and/or commercial benefit.	Carryout a study based on observations and literary research illustrating various options for dealing with a relevant issue. Includes appropriate analysis (arithmetic, statistical, or graphical).
<b>Excellent (41-45)</b>		
Devise and carry out an original experiment that identifies and controls the most significant variables. In-depth analysis of results demonstrating a strong understanding of the scientific method. The conclusions are clearly described and well supported by the results shown. The significance of the work is addressed and supported by the information provided. Suggestions for future work are realistic and well reasoned.	Integrate several technologies, inventions, social/behavioral interventions and designs and construct an innovative technological system that will have human and/or commercial benefit. Performance of the prototype or method is evaluated and compared with existing solutions to the challenge. The significance of the work is addressed and supported by the information provided. Suggestions for future work are realistic and well reasoned.	Correlate information from a variety of significant sources. Includes appropriate in-depth analysis. The significance of the work is addressed and supported by the information provided. Suggestions for future work are realistic and well reasoned.

\*to use chart, first decide if project fits in Discovery, Innovation or Study column