

## Judge's Tally Sheet

<b>A – Written Report</b> (10 marks) Circle one mark per line and place the total in Box A.		<b>Box A</b>
Completeness (title, purpose, procedure, results and conclusion)	0 1 2 3 4 5	Out of 10
Format (no more than 500 words excluding title, references and bibliography)	0 1	
Clarity and continuity	0 1 2	
Neatness, grammar and spelling	0 1 2	

<b>B – Display</b> (20 marks) Circle one mark per line and place the total in Box B.		<b>Box B</b>
Legible	0 1 2 3	Out of 20
Grammatically correct	0 1 2 3	
Logical and self-explanatory	0 1 2 3 4	
Visually balanced and uncluttered	0 1 2 3 4 5	
Attention-grabbing	0 1 2 3 4 5	

<b>C – Oral Presentation</b> (20 marks) Circle one mark at one level only. Place the mark in Box C.		<b>Box C</b>
<i>Level 1:</i> The student is unsure of the material or the process of the experiment and has difficulty answering questions about the project. The vocabulary may be inappropriate.	6 7 8 9 10	Out of 20
<i>Level 2:</i> The student can summarize the project adequately and can answer the majority of questions about the project. Appropriate vocabulary is used.	11 12 13 14 15	
<i>Level 3:</i> The student explains the project well and can answer all questions about the project clearly and logically. Shows evidence of background reading in the area and is aware of project extensions.	16 17 18 19 20	

<b>D – Original Creativity</b> (15 marks) Circle one mark at one level only. Place the mark in Box D.		<b>Box D</b>
<i>Level 1:</i> Little imagination shown. Project design is simple with minimum student input. A textbook or magazine project.	0 1 2 3	Out of 15
<i>Level 2:</i> Some creativity shown in a project of good or fair design. Standard approach using common resources/equipment. Topic is a current or common one.	4 5 6 7	
<i>Level 3:</i> Imaginative project. Good use of available resources. Well thought out. Above average approach. Creativity in design and/or materials.	8 9 10 11	
<i>Level 4:</i> A highly original project or a novel approach. Shows resourcefulness and creativity in design, use of equipment and/or construction of experiment.	12 13 14 15	

<b>Total Mark for Page 1</b> (Box A + Box B + Box C + Box D)	Out of 65
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<b>E – Scientific Thought</b> (35 marks) Select one type of project and circle one mark at one level only. Place the mark in Box E.				<b>Box E</b>
<b>Experiment</b> An investigation undertaken to test a hypothesis using experiments. Experimental variables, if identified, are controlled to some extent.	<b>Study</b> A collection and analysis of data to reveal evidence of a fact or a situation of scientific interest. It could include a study of cause and effect relationships or a theoretical investigation of scientific data.	<b>Innovation</b> The development and evaluation of innovative devices, models, techniques or approaches in technology, engineering or computers (hardware or software).		
<i>Level 1 (low)</i> Duplication of a known experiment to confirm a predictable hypothesis.	<i>Level 1 (low)</i> Study of published material related to a basic issue.	<i>Level 1 (low)</i> Building models or devices to duplicate existing technology.	5 7 9 11	
<i>Level 2 (fair)</i> Extension of a known experiment through modification of procedures, data gathering or application.	<i>Level 2 (fair)</i> Study of material collected through compilation of existing data and through personal observations to address a specific issue.	<i>Level 2 (fair)</i> Demonstration of new applications for or improvements to existing technological systems or equipment.	13 15 17 19	
<i>Level 3 (good)</i> Design and implementation of an original experiment with attempts to control some significant variables. Analysis includes graphs or simple statistics.	<i>Level 3 (good)</i> Study based on observations and literary research illustrating various options for dealing with a relevant issue. Appropriate analysis (arithmetic, statistical or graphical) of some significant variables.	<i>Level 3 (good)</i> Design of innovative technology or adaptation of existing technology that will have human benefit and/or economic applications.	21 23 25 27	
<i>Level 4 (excellent)</i> Design and implementation of an original experiment which attempts to control or investigate most significant variables. Non-trivial data analysis.	<i>Level 4 (excellent)</i> Study correlating information from a variety of significant sources which may illustrate cause and effect or original solutions to current problems through synthesis. Significant variable(s) are identified with in-depth analysis of data.	<i>Level 4 (excellent)</i> Integration of several technologies, inventions or designs to construct an innovative technological system that will have human and/or commercial benefit.	29 31 33 35	Out of 35
<b>Total Mark from Page 1</b>				Out of 65
<b>Total Mark for the Project</b>				Out of 100

**Comments:**

**Name (printed):** \_\_\_\_\_ **Team:** \_\_\_\_\_ **Signature:** \_\_\_\_\_