

**SECTION 1: SCIENTIFIC CONTENT**
**(Innovation Projects 5-12)**

HYPOTHESIS /10			
Excellent (8-10)	Good (4-7)	Fair (0-3)	Score
<ul style="list-style-type: none"><li>Existing knowledge and extensive background research were integrated into the formation of the problem/objective.</li><li>A problem was clearly identified and provided direction for the project.</li></ul>	<ul style="list-style-type: none"><li>Existing knowledge and some background research were integrated into the formation of the problem/objective.</li><li>A problem was identified and provided some direction for the project.</li></ul>	<ul style="list-style-type: none"><li>Very limited existing knowledge and background research were integrated into the formation of the problem/objective.</li><li>No problem was identified, there was limited direction provided for the project.</li></ul>	
			10
Method/20			
Excellent (14-20)	Good (7-13)	Fair (0-6)	Score
<ul style="list-style-type: none"><li>Suitability and limitations of the chosen materials/methods were understood.</li><li>The project design was efficient, effective and addressed the problem/objective.</li><li>The project design was appropriately tested.</li><li>Logbook recorded progress of the project, including detailed procedures, results and</li></ul>	<ul style="list-style-type: none"><li>Suitability and limitations of the chosen materials/methods were recognized but not completely understood.</li><li>The project design was developed but did not fully address the objective.</li><li>The project lacked aspects of appropriate testing.</li><li>Logbook recorded some progress of the project relating to procedures, results and modifications.</li></ul>	<ul style="list-style-type: none"><li>Suitability of the chosen materials/methods were not understood or mitigated.</li><li>The project design did not address the problem/objective.</li><li>The project design did not allow for appropriate testing.</li><li>Logbook lacked information about progress of the project relating to procedures, results and modifications.</li></ul>	
			20
ANALYSIS AND CONCLUSIONS /15			
Excellent (11-15)	Good (6-10)	Fair (0-5)	Score
<ul style="list-style-type: none"><li>A connection was established between the problem/objective and results.</li><li>Testing was carried out to modify the project design and correct shortcomings as the project proceeded.</li><li>The student understood how well the problem was solved.</li></ul>	<ul style="list-style-type: none"><li>Create or adapt technology, without extending or creating new theory.</li><li>Few modifications or shortcomings were corrected as the project proceeded.</li><li>Some understanding as to how the problem was solved.</li><li>Some improvements or new applications for existing technological systems were recognized.</li></ul>	<ul style="list-style-type: none"><li>The student built a model or device that duplicates existing technology or demonstrates a well-known theory.</li><li>There was a lack of data that was used and displayed on the project.</li><li>There was no attempt made to improve or change existing technology or a well-known theory.</li></ul>	
			15
Subtotal of Section 1:			
			45

**SECTION 2: CREATIVITY AND INSIGHTS /25****(Innovation Projects 5-12)**

<b>Excellent (18-25)</b>	<b>Good (11-17)</b>	<b>Fair (0-10)</b>	<b>Score</b>
<ul style="list-style-type: none"> <li>Student showed independent thinking in the design, implementation and analysis of the project.</li> <li>All aspects of the project (hypothesis, improvements, applications, etc.) have been considered.</li> </ul>	<ul style="list-style-type: none"> <li>The student was able to independently expand on any existing form of the project.</li> <li>The student has acknowledged problems, extensions, improvements and applications that can be made.</li> </ul>	<ul style="list-style-type: none"> <li>The project may not have been designed independently but the student shows some understanding of its aspects.</li> <li>A few problems, extensions, improvements and applications have been considered.</li> </ul>	
			<b>25</b>

**SECTION 3: COMMUNICATION /20**

<b>Excellent (14-20)</b>	<b>Good (7-13)</b>	<b>Fair (0-6)</b>	<b>Score</b>
<ul style="list-style-type: none"> <li>The student introduced themselves.</li> <li>All required information was presented in the display or clearly described by the student</li> <li>All material from other sources was properly credited and applicable forms were presented.</li> <li>The student was able to answer all questions relevant to the project.</li> <li>The student's presentation was concise, organized, coherent and comprehensive.</li> </ul>	<ul style="list-style-type: none"> <li>Most of the components are present</li> <li>Most of the material from other sources was properly credited and applicable forms were present</li> <li>The student presented some of the components of the project and was able to answer some questions.</li> <li>The student's presentation was somewhat organized and comprehensive.</li> </ul>	<ul style="list-style-type: none"> <li>Some aspects of the project were readily available.</li> <li>Some research from outside sources were credited.</li> <li>The student could answer a few of the questions.</li> <li>The student's presentation was lacking in organization and coherence.</li> </ul>	
			<b>20</b>

**DEGREE OF DIFFICULTY /5**

<b>Excellent (8-10)</b>	<b>Good (4-7)</b>	<b>Fair (0-3)</b>	<b>Score</b>
<ul style="list-style-type: none"> <li>The student has approached material beyond their grade level and has gained new understanding.</li> </ul>	<ul style="list-style-type: none"> <li>The student has done independent research and made some progress in understanding</li> </ul>	<ul style="list-style-type: none"> <li>The student has learned something outside of their curriculum for this project.</li> </ul>	
			<b>10</b>
<b>Subtotal this page:</b>			
			<b>55</b>
<b>Subtotal from Section 1 (previous page):</b>			
<b>TOTAL SCORE:</b>			
			<b>100</b>