

## Sec 3 Science Research Paper 2012 Assessment Rubric

Title of research : \_\_\_\_\_

Member(s) :

1. \_\_\_\_\_ (\_\_\_\_\_) Class: \_\_\_\_\_ Score : = \_\_\_\_\_/50

2. \_\_\_\_\_ (\_\_\_\_\_) Class: \_\_\_\_\_ Score : = \_\_\_\_\_/50

3. \_\_\_\_\_ (\_\_\_\_\_) Class: \_\_\_\_\_ Score : = \_\_\_\_\_/50

Name of assessor : \_\_\_\_\_

Item	Score (write score value to be awarded)		
	Poor (1)	Fair (2-3)	Good (4-5)
<b>1. Abstract</b>			
<ul style="list-style-type: none"> <li>• Objective of research is clearly defined.</li> <li>• Methodology of research is briefly stated.</li> <li>• Observations/results are summarised.</li> <li>• Conclusion or implication of findings are included.</li> </ul>			
<b>2. Introduction</b>			
<ul style="list-style-type: none"> <li>• Objective of research is clearly identified and stated.</li> <li>• Background information provided relates to the research area with proper in-text citation.</li> <li>• Adequate evaluation and elaboration of past research in the area of study.</li> <li>• Information presented in a coherent and logical sequence that reflects depth and good understanding of area of study.</li> <li>• Defines question/problem using sound scientific knowledge and understanding.</li> </ul>			
<b>3. Materials and Procedure</b>			
<ul style="list-style-type: none"> <li>• Materials and equipment used are clearly stated.</li> <li>• Description of procedure is clearly written in depth.</li> <li>• Due consideration given to achieve rigour. Types of data to be collected are clearly stated and adequate consideration for producing reliable results.</li> <li>• Appropriate graphics are included to illustrate procedure where necessary.</li> <li>• Research procedure is logical with no major errors.</li> </ul>			

4. Results/Discussion	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> <li>• Observations/Results obtained up to semi-finals are clearly summarised.</li> <li>• Observations/Results are displayed using appropriate charts and/or graphs.</li> <li>• Results were treated with statistical methods where appropriate.</li> <li>• Results are critically analysed and discussed.</li> <li>• Infuses background readings with appropriate comparison of data obtained with those in readings</li> </ul> <p style="text-align: center;"><u>OR</u></p> <ul style="list-style-type: none"> <li>• Discuss clearly reasons for failure to obtain intended results</li> <li>• Give suggestions for further work</li> </ul>			
5. Conclusion	Poor (1)	Fair (2-3)	Good (4-5)
<ul style="list-style-type: none"> <li>• Findings are concisely summarised.</li> <li>• Appropriate and insightful conclusion is drawn from the results obtained</li> </ul>			
6. Organisation / Presentation	Poor (1)	Fair (2-3)	Good (4-5)
<ul style="list-style-type: none"> <li>• The whole paper is written in prose.</li> <li>• Proper use of language. Methods should be written in past tense.</li> <li>• Title page included and title reflects research area.</li> <li>• Pages are numbered.</li> <li>• Doubled spacing with Arial font of size 11 or Times New Roman font of size 12.</li> <li>• References are cited according to APA format.</li> <li>• At least 5 references (print or non-print) are cited from various sources.</li> <li>• Acknowledgement given to all people who have provided assistance.</li> </ul>			
7. Work Attitude (* to be awarded to students individually)	Poor (1)	Fair (2-3)	Good (4-5)
<ul style="list-style-type: none"> <li>• Displayed good time management skills throughout project.</li> <li>• Able to meet deadlines most of the time.</li> <li>• Able to work independently most of the time.</li> <li>• Takes initiative to get things done.</li> <li>• Contributed substantially to carrying out project and writing of research paper.</li> </ul>	1. _____ 2. _____ 3. _____		

Remarks: \_\_\_\_\_