

EXPERIMENTAL RESEARCH: MARKING RUBRIC

LOWER/MIDDLE/UPPER PRIMARY

Judging Criteria

Criteria	High	Medium	Low	Not shown
1. Introduction – is relevant to the topic and describes how the idea was obtained and project started.	(3) Introduction provides ample background information for the reader to understand what the project is about.	(2) Some information is provided that explains what the project is about.	(1) Little background information is provided.	(0) No background information provided.
2. Aim – is clear and describes what they think will happen	(3) Aim is clear and explains purpose & hypothesis is included.	(2) Aim attempts to explain the purpose of the project & hypothesis.	(1) There is little explanation of aim and/or hypothesis	(0) No aim or hypothesis.
3. Materials – complete list of equipment and materials used is given	(3) Detailed list of materials is provided.	(2) Most materials used are listed.	(1) Only a few materials listed.	(0) No materials listed.
4. Method – lists what the student did in the experiment.	(8 – 6) Method is detailed & describes clearly what was done step by step.	(5 – 3) Method describes what was done but could be more detailed.	(2 – 1) Only a brief summary of method is given.	(0) No method is described.
5. Safety – identifies relevant safety precautions, Risk Assessment	(3) Safety requirements followed in conducting experiment are described. Risk Assessment Sheet comprehensive.	(2) Safety requirements followed in conducting experiment are described. Adequate Risk Assessment Sheet included.	(1) Some safety requirements in conducting experiment are described. Risk Assessment Sheet is brief and incomplete.	(0) No safety requirements described
6. Results – describes observations using appropriate tables, graphs, diagrams, charts or photos	(8 – 6) Results are presented in a scientific manner with detailed observations & presentation of data collected.	(5 – 3) Some attention is paid to presentation of results in a scientific manner.	(2 – 1) Results are presented in a superficial way.	(0) No results section included.
7. Discussion – results are discussed and improvements suggested	(8 – 6) Results are clearly explained & related to purpose of project. Suggestions made on suitability of results, possible improvements &/or problems.	(5 – 3) Some effort was made to explain results & their implications. Suggestions may/may not have been made of suitability of results or possible improvements / problems	(2 – 1) Results were only discussed superficially.	(0) No discussion given.
8. Conclusion – is clear and answers the aim	(3) Conclusion is valid & relates to the aim.	(2) Conclusion shows some link to the aim.	(1) Conclusion only vaguely linked to the aim.	(0) No conclusion given.
9. Acknowledgements & References – sources of information and assistance has been acknowledged and referenced	(3) Detailed acknowledgement & references given and correct formatting used	(2) Detailed acknowledgement & references given	(1) Some acknowledgement &/or references given	(0) No acknowledgement or references given
10. Presentation – overall presentation in terms of use of correct format, neatness, etc	(5 – 4) Overall presentation is high standard & follows scientific format & is clearly the student's work.	(3 – 2) Presentation follows scientific format & is the student's own work.	(1) Poor presentation; scientific format only partly followed	(0) Project work does not appear to be student's own work.
11. Originality & creativity – is the topic original or simply a previously tried experiment	(5-4) Project is novel idea & shows creative thought in its approach.	(3-2) Project is an interesting idea.	(1) Project is a common one with little creativity shown.	(0) Project is not student's own work.