



ASSESSMENT TASK NOTIFICATION

Course: **Year 8 Science**

Task Number:	1	Task Type:	Scientific Report
Task Weighting:	30%	Due Date:	Term 1, Week 10, Monday 27 March 2023

Related Core Topics: **Forces**

Syllabus Outcomes:

A student:

- > appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them SC4-1VA
- > identifies questions and problems that can be tested or researched and makes predictions based on scientific knowledge SC4-4WS
- > collaboratively and individually produces a plan to investigate questions and problems SC4-5WS
- > follows a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually SC4-6WS
- > processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions SC4-7WS
- > selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems SC4-8WS
- > presents science ideas, findings and information to a given audience using appropriate scientific language, text types and representations SC4-9WS
- > describes the actions of unbalanced forces in everyday situations SC4-10PW

TASK

- During your study of the Physics topic – Forces, you will have conducted at least four practical tasks.
- Your task is to write a formal scientific report about **ONE** of these experiments:
 1. Gravity – changes to the features of an object as mass is added
 2. Friction – measuring the force of friction as an object is moved over different surfaces
 3. Air resistance – measuring the change in drop time of a parachute by changing the amount of mass
 4. Any other experiment on forces which has involved taking accurate, quantitative measurements. *Gain approval from your teacher before selecting this option.*
- Your task is to write a formal scientific report about **ONE** of these experiments.
- The report is to be submitted on paper and not in your science workbook.
- It can be handwritten or typed.
- The Scientific Report format is to be as per the marking criteria.
- Ask your teacher if you have any questions about the assessment task.

Marking Criteria

Content	Mark	Actual Mark
<u>Title/Aim</u> – A relevant title and aim	2	
<u>Hypothesis</u> – correctly written	1	
<u>Equipment and Materials</u> – all equipment and materials listed	2	
<u>Method</u> <ul style="list-style-type: none"> ○ Logical and sequential steps, past tense (3) ○ Variables included – dependent, independent, controlled (3) ○ Repeat trials (1) ○ Labelled diagram (2) 	9	
<u>Results</u> <ul style="list-style-type: none"> ○ Observations included (2) ○ Results in a correctly formed table (4) ○ Correct graph type used (1) ○ Graph completed correctly (4) 	11	
<u>Discussion</u> <ul style="list-style-type: none"> ○ Results analysed ○ Problems discussed ○ Improvements suggested 	3	
<u>Conclusion</u> – statement of results, states whether hypothesis was supported or not supported	2	
	TOTAL	/30

Comments

Final Mark for Task: _____

Please refer to the following document for Assessment Guidelines:

- Kingscliff High School website at: “School Years” – https://kingscliff-h.schools.nsw.gov.au/content/dam/doi/sws/schools/k/kingscliff-h/download-box/Year_8_2023_Assessment_Overview3.pdf