

Marking criteria

Section: Experimental Research
 Division: Lower Primary (P – 3)
 VELs: up to Level 2, progressing to Level 3

Student name:

Links to VELs progression points – Science at Work	CRITERION	H 3	M 2	L 1	NS 0
<p>VELS 2.25 - Awareness of science activities occurring in the local community</p>	<p>Introduction Outline why you chose this topic. Describe how you got started.</p>	<p>Includes detailed, clear & relevant information</p>	<p>Includes relevant information but is incomplete &/or unclear</p>	<p>Attempted with little relevant information</p>	<p>Not done</p>
<p>VELS 2.5 - Knowledge of the science involved in a social issue or problem.</p>					
<p>VELS 2.75 - Generates questions about situations and phenomena which lead to collaborative planning, designing and conducting of experiments</p>					
<p>VELS 2.25 - Recording of observations made during teacher-directed experiments involving measurement & the collection & recording of data. - Awareness of safety procedures undertaken during experiments.</p>	<p>Aim(s) Describe what you are trying to find out. What do you think will happen?</p>	<p>Clear description, good structure. Includes prediction.</p>	<p>Acceptable description & structure; no or inappropriate prediction.</p>	<p>Unclear &/or poor structure; no prediction</p>	<p>Not done</p>
<p>VELS 2.25 - Recording of observations made during teacher-directed experiments involving measurement & the collection & recording of data. - Awareness of safety procedures undertaken during experiments.</p>	<p>Materials List all equipment and materials that you used.</p>	<p>Appropriate materials used; thorough listing</p>	<p>Acceptable materials used, but limited</p>	<p>Limited listing &/or choice of materials poor</p>	<p>Not done</p>
<p>VELS 2.5 - Recording of observations made over time, subsequent predictions, and their testing in teacher-guided experiments - Use of specific safety procedures during experiments</p>	<p>Method (What I did) List everything you did, in order (like a recipe).</p>	<p>Appropriate methodology-well ordered & thorough</p>	<p>Acceptable methodology– Acceptable order & completeness</p>	<p>Weak methodology– poor order, missing parts</p>	<p>Not done</p>
<p>VELS 2.75 - Generates questions about situations and phenomena which lead to collaborative planning, designing and conducting of experiments. - Understanding and recording of required safety procedures during experiments.</p>	<p>Results Record your results systematically & include everything you found out. Include graphs, tables, pie charts, photos, etc to help show your results.</p>	<p>Systematic, comprehensive & includes good range of appropriate presentation methods. Excellent quality of information/data.</p>	<p>Acceptable recording & quality of information/data. Limited range of presentation methods.</p>	<p>Little or no attempt to use a range of presentation methods. Some inappropriate or incorrect information/data</p>	<p>Not done</p>

VELS 2.5 - Reporting of observations and experiments, using science-specific language to record what went well and where difficulties were encountered.	Discussion Discuss your results. Include how you could improve your experiments.	Excellent discussion of results. Appropriate suggestions made for improvement.	Acceptable discussion of results. Limited attempt at suggestions for improvement.	Limited discussion of results. Little or no suggestions for improvement.	Not done
VELS 2.75 - Reporting of experiments, using science-specific language to record variables and characteristics of a fair test.					
VELS 2.25 - Recognition of simple patterns evident in collected data	Conclusion List the main things you have discovered or found out – what do your results tell you?	Excellent conclusion drawn.	Acceptable conclusion drawn.	Limited conclusion drawn.	Not done
VELS 2.5 - Recognition of trends evident in collected data					
VELS 2.75 - Understanding of patterns and related trends evident in collected data					

STS-specific & not directly related to VELS progression points

CRITERION	H 3	M 2	L 1	0
Originality and creativity Topic is original and interesting.	Highly original & interesting	Some elements of originality; interesting	Little originality	Not done
Overall presentation Report is clearly presented (logical and readable).	Clear & logical report.	Moderately clear and logical.	Poor clarity & logic.	Not done
Acknowledgements and references List any books or websites you used. Include a list of people who gave you help or advice.	Complete and correctly referenced	Complete with some incorrect referencing; or correctly referenced but incomplete	Incomplete or incorrectly referenced	Not done

Total score = ___ / 33