



## Year 8 Science Formal Examination Assessment Task 2024

<b>TOPIC:</b> Physical Worlds, Earth and Space, Living Worlds and Chemical Worlds	<b>MARKS:</b> /35
<b>SUBMISSION REQUIREMENTS:</b> Students complete the Formal Examination in class <b>Term 4 Week 2</b> during class time in Science.	<b>WEIGHTING:</b> N/A
<b>OUTCOMES TO BE ASSESSED:</b> <b>SC4-7WS:</b> Processes and analyses data from a first-hand investigation and secondary sources to <b>identify</b> trends, patterns, and relationships, and draw conclusions. <b>SC4-8WS:</b> Selects and uses appropriate strategies, understanding and skills to <b>produce</b> creative and plausible solutions to identified problems. <b>SC4-10PW:</b> <b>Describes</b> the action of unbalanced forces in everyday situations. <b>SC4-13ES:</b> <b>Explains</b> how advances in scientific understanding of processes that occur within and on the Earth, influence the choices people make about resource use and management. <b>SC4-15LW:</b> <b>Explains</b> how new biological evidence changes people's understanding of the world. <b>SC4-17CW:</b> <b>Explains</b> how scientific understanding of, and discoveries about the properties of elements, compounds and mixtures relate to their uses in everyday life.	
<b>DIRECTIONAL VERBS:</b> <b>Analyse:</b> Identify components and the relationship between them; draw out and relate implications. <b>Describe:</b> Provide characteristics and features. <b>Explain:</b> Relate cause and effect; make the relationships between things evident; provide why and/or how. <b>Identify:</b> Recognise and name. <b>Produce:</b> Make or manufacture.	
<b>TASK DESCRIPTION:</b> Students are to complete a written examination based on Chemical World, Living World, Earth and Space and Physical World, as covered this year. The examination will be set out as follows: <ul style="list-style-type: none"><li>• Duration: 1 Period</li><li>• Total marks: 35</li><li>• Examination consists of the following components:<ul style="list-style-type: none"><li>– 10 multiple choice questions (10 marks)</li><li>– Short Answer (5 marks)</li><li>– Extended responses (20 marks)</li></ul></li></ul> Students will answer questions on the answer sheets, following the instructions on the examination paper.	
<b>ASSESSMENT CRITERIA:</b> Students are encouraged to complete regular revision in the lead up to this assessment task. This includes reviewing work covered both in class and on CANVAS. The topics you must focus on in your revision are: <ul style="list-style-type: none"><li>• <b>Living World – Term 1:</b> Cells, Photosynthesis, Respiration, Body Systems, Food Chains and Food Webs</li><li>• <b>Earth and Space- Term 2:</b> Renewable/ Non-Renewable Resources, Earths Spheres, Conservation of Earths Resources, Water Cycle and Climate Change</li><li>• <b>Chemical World – Term 3:</b> Elements, Compounds, Mixtures, Atomic Model, Particle Theory and Physical/ Chemical Changes</li><li>• <b>Physical World – Term 4:</b> Forces, Friction, Mass, and Weight</li></ul> The marking criteria will be supplied to students on the return of their examination paper. All marking will adhere to the strict marking criteria.	

