Stage 4 Support Science

Practical Skills Assessment Task 2024

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| **TOPIC**: Chemical World | **MARKS:** /35  |
| **SUBMISSION REQUIREMENTS:** Students to complete task in class, **Term 1 Week 8** during normal class time. | **WEIGHTING:**  n/a |
| **OUTCOMES TO BE ASSESSED:****SC4-4WS Identifies** questions and problems that can be tested or researched and makes **predictions** based on scientific knowledge.**SC4-5WS** Collaboratively or individually produces a **plan** to investigate questions and problems.**SC4-6WS** **Follows** a sequence of instructions to safely undertake a range of investigation types.**SC4-7WS** **Processes** and **analyses** data from a first-hand investigation and secondary sources to identify trends, patterns and relationships and draw conclusions.**SC4-8WS Selects** and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems.**SC4 - 9WS Presents** science ideas findings and information to a given audience.**SC4 – 16CW Describe** the observed properties and behaviour of matter using scientific models and theories about the motion and behaviour of particles. |
| **DIRECTIONAL VERBS:**

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| **Identify** | Recognise and name |
| **Predict** | Suggest what may happen based on available information |
| **Plan** | A detailed proposal for doing or achieving something |
| **Follow** | Come after in time or order |
| **Process** | Collection and manipulation of data to produce meaningful information |
| **Analyse** | Identify components and the relations between them |
| **Select** | Choose as being the best or most suitable |
| **Present****Describe** | Convey or deliver in writing or orallyProvide characteristics and features |
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| **TASK DESCRIPTION:**Students are required to sit a written task that will consist of 2 parts:Part 1 consists of* 10 Multiple-choice questions **(10 Marks)**
* 5 Short response questions **(5 Marks)**
* Extended response and working scientific skills-based questions **(8 Marks)**

Part 2 consists of * Station activity 1 - Weighing Objects and Method Writing **(5 Marks)**
* Station activity 2 - Bunsen Burner and Safety **(3 Marks)**
* Station activity 3 - Identifying Problems in Experiments **(4 Marks)**

**Duration: 1 period**Feedback will be provided to students upon the return of the completed examination paper. |
| **ASSESSMENT CRITERIA**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 should focus your revision on include:Introduction to Science: Including lab safety.Chemical World: Including models of matter, changes of state and energy in matter. |