Year 8 Science

Task 4: Yearly Exam

Due Date: Term 4 Yearly Examination Block (Week 5)

Task Distributed: 21st October 2024

Unit: Energy, Forces & Ecology

Task Type: Examination

Task Weighting: 20%

Outcomes: SC4-10PW,SC4-11PW,SC4-8WS,SC4-9WS,SC4-15LW

Task Description

This task is a 60-minute examination that will be completed under examination conditions during the yearly examination block. The exam will consist of various knowledge and skills-based questions related to all Semester 2 topics learnt in class (Energy, Forces & Ecology).

The examination will include a literacy component and various step by step skills-based questions.

Your examination will consist of three parts:

Section 1 (15 marks): 15 multiple choice questions

Section 2 (10 marks): 10 “match each word to its definition” questions

Section 3 (25 marks) : Short Response Questions (25 marks) which may be based on the following:

- scientific report skills (graphing)
- analyse, interpret, and predict date
- provide reasoning on scientific investigations
- energy transformations
- Food Chains & Food Webs
- Contact vs non-contact forces
- Types of forces
- relationship between mass and weight

Section 4: Extended Response (10 mark): A stimulus-style long response question that will be marked with the literacy rubric.

NESA Glossary of Key Words

Understand the verb associated with the task. These verbs will provide an understanding of the detail needed to successfully answer the question.

- ☐ EXPLAIN: Relate cause and effect; make the relationships between things evident; provide why and/or how.
- ☐ IDENTIFY: Recognise and name.
- ☐ OUTLINE: Sketch in general terms; indicate the main features of.
- ☐ COMPARE: Show how things are similar or different
- ☐ EVALUATE: Make a judgement based on criteria; determine the value of

- ☐ https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/hsc-student-guide/glossary-keywords

Details of Submission

For successful completion of this examination, you must bring the following equipment.

- NESA approved calculator
- Blue or black pen
- Pencils and an eraser for graph drawing
- A ruler

Please bring your own equipment as you will not be able to borrow equipment on your examination day.

Teacher Feedback and Student Self-Reflection

- The task will typically be returned to students within 14 days of the due date.
- At this time feedback including information on how to improve will be provided through mechanisms such as marking criteria, and/or written comments.
- Students can clarify or seek further feedback by the speaker with their teacher or the assessment marker.
- You will also receive feedback on your literacy performance based on the criteria in the school's literacy marking rubric. The marks achieved for literacy will account for between 10% – 20% of the maximum task value.

Upon return of the task, students will also be expected to complete a self-reflection.

How does this link to my learning?

Learning and integrating the basic science process skills together and gradually developing abilities to design fair tests is increasingly emphasised in successive grade levels and is an expectation of students in senior year.

Assessment Procedures

All students should be fully aware of the School Assessment Procedures for their year group. These were provided at the beginning of the school year and are available off the school website under the Learning Tab for each year group.

Tips on how to study.

- Look through your exercise book and write down notes for each topic.
- Use flowcharts or diagrams for complex concepts.
- Organise study groups with friends.
- Highlight the topics you are not familiar with and revise them.
- Ask your teacher to explain any concepts that you do not understand.