



YEAR 9 - Electricity Practical Assessment

Due Date: In class, week 5		Assessment Name: Electricity Practical Assessment
9R1,9R2 – Period 2 Monday 26/2	9R3,9R4 – Period 4 Tuesday 27/2	
9Y3, 9Y4 – Period 1 Wednesday 28/2	9Y1, 9Y2 – Period 1 Tuesday 27/2	
Mark: /50		Weighting: 20%

SYLLABUS OUTCOMES TO BE ASSESSED:

SC4-WS6 - **Follows** a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually.

SC4-WS8 - **Selects** and uses appropriate strategies, understanding and skills to **produce** creative and plausible solutions to identified problems.

SC4-7WS - **processes** and **analyses** data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions.

DIRECTIVES TO BE ASSESSED:

Follows: pay close attention to

Select: carefully choose as being the best or most suitable.

Produce: cause (a particular result or situation) to happen or exist.

Processes: a series of actions or steps taken to achieve a particular end.

Analyse: Identify components and the relationship between them; draw out and relate implications.

TASK DESCRIPTION:

Students will complete an in-class test with both practical and theoretical components. The test will be divided into two sections, a group task requiring construction of a circuit, data collection and graphing and a second section which will cover aspects of electricity, requiring you to construct some simple circuits, perform calculations using Ohm's law and read circuit diagrams.

Marks will be awarded for safely conducting the experiment, recognising and using circuit symbols, using correct experimental techniques, accurately collecting data, correctly drawing graphs and correct answers to questions.

ASSESSMENT CRITERIA – STUDENT CHECKLIST: You will be assessed on your ability to:

- create and troubleshoot circuit types correctly and identify their relevant components
- construct circuits to obtain data to be graphed and,
- demonstrate understanding of Ohm's law calculations
- Complete the task and all questions included

Check your assessment booklet for the PHS Assessment Policy

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