



General Certificate of Secondary Education
2022

Centre Number

--	--	--	--	--

Candidate Number

--	--	--	--	--

Double Award Science: Physics

Unit 7: Practical Skills

Booklet A
Higher Tier

[GDW75]

TIME

1 hour.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all** parts of Question 1.

INFORMATION FOR CANDIDATES

The total mark for this paper is **15**.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

Follow all health and safety instructions.

You may use a ruler and calculator if required.

The apparatus and materials required to complete the task(s) are provided.

For Examiner's
use only

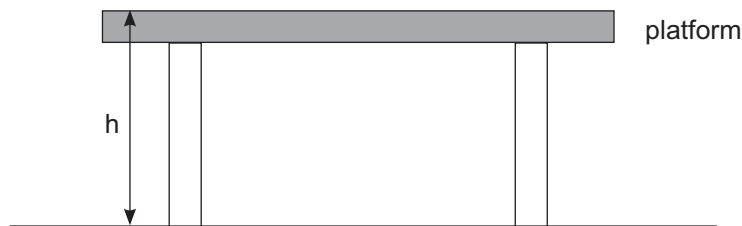
Question Number	Marks
1	

Total Marks	
----------------	--

BLANK PAGE

- 1 In this experiment you are going to measure the personal power of a student.

During the experiment a student will step onto a raised platform a number of times.



Source: Chief Examiner

You may carry out this experiment in a group of up to three students.

- (a) (i)** Measure the height, h , of the platform in mm.

Height, h , of platform = _____ mm [1]

- (ii) Express your answer in m.

Give your answer to two decimal places.

Height = _____ m [1]

- (iii) Measure and record the time taken for the student to complete 30 step-ups.

Note: a step-up means having both feet on the platform.

Time for 30 step-ups = _____ s [1]

- (iv)** Measure the mass of the student who stepped onto the platform.

Record the mass to the nearest kg.

Mass = _____ kg [1]

You must complete the remainder of the paper on your own.

Permission to reproduce all copyright material has been applied for.
In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA
will be happy to rectify any omissions of acknowledgement in future if notified.