

week 7

LO: End of topic assessment

Take kids through the questions. They should answer on their own.
HA/MA and an LA task.

write answers in books and plot graph on sheet :)

Pupils are experimenting with a parachute.

1. What variables (things) could they choose to change to investigate how well it works?



2. One group decides to investigate how the size of the parachute affects the time it takes for it to land.

3. Which variables would they need to make sure they kept the same?

4. They chose to use 5cm, 10cm, 15cm and 20cm parachutes, Write a prediction for their investigation

5. Why did they drop the parachute 3 for each size of parachute?



5cm



10cm



15cm



20cm

6. Here are some results.

Size (cm)	Drop 1 (seconds)	Drop 2 (seconds)	Drop 2 (seconds)
5	2.1	2.3	6.7
10	3.7	3.1	2.9
15	5.8	5.1	1.2
20	7.2	7.9	6.3

Are there any that look wrong? Circle them.

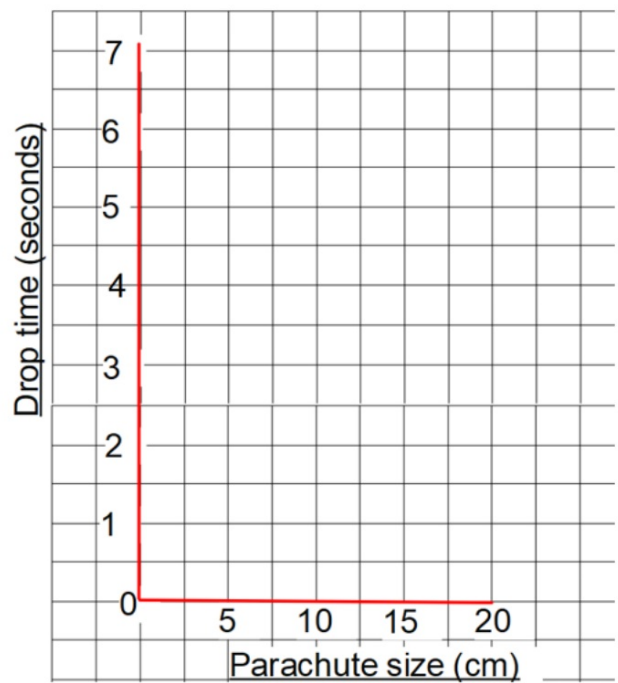
7. Why might these drops have done wrong?

8. The children then calculated the mean drop time for each parachute.

9. Here are the mean times

Size (cm)	Mean drop times (seconds)
5	2
10	3.5
15	5
20	6.5

Plot the results on the graph and add a title.



10. What did the children find out? Can you give a reason for their results?

self mark as much as possible

- *ask relevant questions and using different types of scientific enquiries to answer them* helicopters, flicking paper, paper flowers
- *set up simple practical enquiries, comparative and fair tests gather, record, classify and present data in a variety of ways to help answer a question* helicopters, flicking paper, paper flowers
- *record my results using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables* Can they draw a table/graph
- *explain my results by using oral and written explanations, displays or presentations of results and conclusions* can they explain why they got their results
- *use my results to draw simple conclusions, make predictions for new values, suggest how to improve my investigation and ask further questions* floating flowers lesson - set up new tests based on
- *identify differences, similarities or changes related to simple scientific ideas and processes*
- *use scientific evidence to answer questions or to support my findings* explain why they got their results

Talk through the objectives from the title page.

Children tick/dot them if they can/cannot do them

(they all link to lessons this term so refer to the lessons to help them judge)