

Student Sheet

Nappy Investigation - Planning practice

You should now have lots of ideas about how to write or record an excellent planning section. Here's your chance to put all that into practice.

Write a plan for the following experiment. The aim has been done for you. Swap your plan with someone else – is theirs a good plan? Why?

Aim - In this investigation I aim to find out how changing the temperature of a rubber ball affects the height of its bounce.

Method

Fair test

Health and safety

Apparatus

Diagram

Prediction

Best laid plans!

Have you covered these points in your planning sections?

Checklist

- I have written an aim for the experiment.
- I have listed the equipment I will need, including any chemicals.
- I have noted any hazard symbols on these chemicals.
- I have selected the most accurate equipment or instruments for the job.
- I have drawn a diagram of the apparatus set up.
- I have written a step-by-step method or procedure explaining how I plan to carry out the experiment.
- I have explained how I will make this experiment a fair test.
- I have decided to do a trial run or it was not appropriate to carry out a trial run.
- I have decided on a range of readings and listed the ones I will be using.
- I have decided on suitable health and safety precautions
- I have decided how many readings to take for each value.
- I have made a prediction stating how changing my chosen variable might affect the outcome of the experiment. I have given a reason for my prediction using my scientific knowledge.

TOP TIP

Imagine you are planning an experiment for someone else to do – they have to get exactly the same results as you did. A good plan will contain detailed but to-the-point instructions.



