

Investigation Template

(for Fair Test, but can be modified for other experiment forms)

What are we trying to find out? (Aim)

What do we think we will find out from our investigation? Why do we think this? (Hypothesis)

For a Fair Test - Variables

What is the one thing we are changing? (Independent / Changing Variable)

What are we going to measure to show the answer to our question? (Dependent / Measuring Variable)

What are the things we are going to keep the same for each trial of the experiment? (Controlled variables)

How will we carry out the investigation? (Method)

(Don't forget:

- you will need to measure something if you want to compare your results with others.
- you should repeat your experiment several times to make sure your results are valid)

What equipment do we need?

What did we find? (Results)

Record your findings in a table.

If appropriate, draw a graph to show your data.

What have we learned? (Conclusion)

Answer your aim using your results.

For older students:

What do your results mean? How could you have done your experiments better and what else could you study? (Discussion)

-How useful are your results? How can they be used in the real world? Why do you think they happened?

-What could you have done to make your experiment better? How could you have changed your method?

-What other questions could be answered by doing similar types of experiments, that are related to this one?