



Plan, perform and write-up your own experiment

Unit 3 of the Applied Science BTEC requires students to be able to effectively plan an experiment, safely execute the plan, gather results and process them to a conclusion. These are skills that you will have already learned over your time at Bluecoat school.

For this assignment you will be required to devise your own experiment that can be performed at home. You will gather data and present it in a full write-up. This piece of work should be at least 500 words. Written on Word. Font Calibri, size 12, spacing 1.5.

It is easy to find inspiration for an experiment but you will need to test a hypothesis. Examples of some simple activities are on this site, but do not restrict yourself to just these ideas.

<https://mommypoppins.com/kids/50-easy-science-experiments-for-kids-fun-educational-activities-using-household-stuff>

You will need to:

- Choose a suitable experiment
- Gather background information
- Identify variables
- Set a hypothesis
- Risk assess
- Perform the experiment and gather data
- Process data
- Present data in a suitable format
- Justify a conclusion
- Evaluate your experiment
- Reference any materials that you have used from other authors

The quality and quantity of work presented will give an indication of how likely you are to succeed on the course.