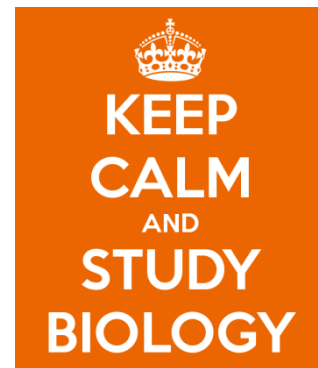


Wadebridge School Advanced Biology

Transition Project Summer

Hi



Welcome to Wadebridge School Advanced Biology Course: we are so pleased you have chosen to study with us. Now as a little taster of what is to come we would like you to carry out a project over the summer. By completing this project you should be able to start to think about some important Biology topics and also about how Scientists work.

We are suggesting that you choose *one* of the methods below to provide a framework for your project. However, we will be delighted to hear of any other ideas/methods that you want to try.

Method 1: Primary data collection

For this project you need to arrive at your own hypothesis (posh word for a question that can be tested). The hypothesis you chose may depend on your interests or where you live or are prepared to travel. For example: "is the size of a goldfish always linked to the size of the pond it lives in?" or "does a sports drink really improve performance?"

This project is about collecting then manipulating data and deciding whether there is sufficient evidence to support your hypothesis and whether your planning and implementation of the investigation could have been improved.

You will need to present your data and draw conclusions and amend your hypothesis if necessary.

Method 2: Secondary data analysis

For this project you take a current scientific controversy, for example, e.g. mobile phones, MMR vaccination, homeopathic medicine and find the evidence for and against it.

You should appreciate that evidence can be manipulated to lead towards different conclusions and that the way that evidence has been collected can influence the conclusions drawn.

You will need to weigh up the evidence and how it was obtained, check the evidence for bias and construct your own argument based on the work you have done.

For extra help/information at any time: kgoodwin@wadebridge.cornwall.sch.uk