

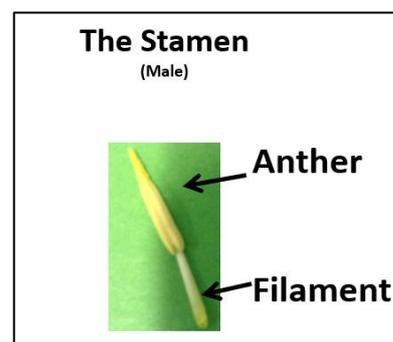
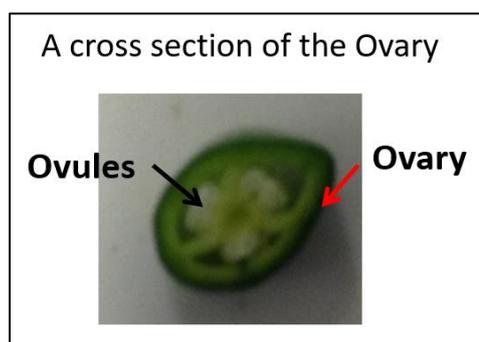
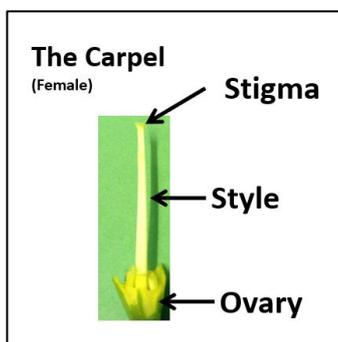
AQA Trilogy Science (Combined) – Biology Project

In Science, we will cover 3 different subjects: Biology, Chemistry and Physics. In the first year of GCSE we study B1, C1 and P1 and in the second year of GCSE we study B2, C2 and P2. You will sit an exam for each of these modules, so that is 6 science exams in the Summer of Year 11.

You will complete 12 classroom-based Required Practicals to support you in your exams. This project, for you to complete over your Summer holidays, is based on Biology, but brings in these vital practical and investigative skills.

Dissection

You are investigating plant structure. To do this, you will need to collect a sample of a flowering plant. Carefully remove the petals to reveal the reproductive parts of a plant. You can draw the stages of your flower dissection or you could draw each part separately. Some photographs are included below to help you find what you are looking for:



Investigation

Place a flower with light-coloured petals and a long stem into a glass of water. Add a few drops of food dye (whatever colour you would like!) and watch as the petals change colour. This is a fantastic demonstration of how water is taken up by plants through the vessels: the xylem and phloem. You could then cut the stem and take a look for yourself!

This is a fantastic opportunity to study plant structure further, and you may want to look up the structure of a leaf in preparation for your B1 exam. You can find more at: <https://www.bbc.co.uk/bitesize/guides/z9kx8mn/revision/1>

Put together your photographs and/or diagrams of your findings in a poster, leaflet or booklet, all about the structure of plants. We look forward to seeing these in September!



Science in the news

For all of the latest scientific developments and how science is related to your world, visit The Day using your BHS log-in:

<https://theday.co.uk/categories/science>

Username: blaconhigh

Password: Blacon2020

A Summer of Science

If you fancy brushing up on your Science over the summer, try these weekly videos for Biology, Chemistry and Physics.

The 9 weeks take you all the way through Paper 1 (what you cover in year 9) and start Paper 2 (what you cover in year 10).

<https://www.teachanation.co.uk/>