



Biology

Engage

Endeavour

Excel



The Biology Team at William Hulme's Grammar School would like to welcome you all to the Sixth Form. We are looking forward to supporting you through the next phase of your education and are excited to learn what ambitions you all have for beyond your A Level studies

The Biology Team consists of four teachers that are all specialists in the subject:

- Mrs Laws – Subject Leader for Biology
- Mrs Likissa – Teacher of Biology and Director of Pastoral Care for Year 7
- Miss Cookson – Teacher of Biology and KS3 Co-ordinator
- Dr Talukdar – Teacher of Biology

We are here to help you be the best Biologist you can. We will do this by encouraging you to not only learn the content that is involved in the subject, but also by encouraging you to 'read beyond the specification' and develop a wider understanding and appreciation of the subject.

You will have 10 lessons of Biology every two weeks and are expected to do additional private study away from the classroom. Those 10 lessons will be split between two teachers (Teacher A/Teacher B)

The following is an overview of the tasks you should complete over summer, but detailed guidance of each task is given in the [Bridging Course Booklet](#):

- **TASK 1:** Sign up to Seneca learning and join the transition class. Complete the 'assignments' that have been set
- **TASK 2:** Choose two topics from the Seneca assignments from which to create 'Cornell Style' study notes
- **TASK 3:** Complete the Maths Skills section of this booklet
- **TASK 4:** Choose one of the projects from Section 4

You do not necessarily have to do them in this order

You must bring this completed booklet with you to your first lesson of Biology



Useful Resources

Websites / Video Channels

- [AQA](#) – Specification and details about the examination process. The maths requirements of the course can be found [here](#)
- [Seneca Learning](#) – retrieval practice and instant assessment learning platform
- [Study Mind](#) – Youtube channel link and where they file their [free past exam question](#) resources
- [Maths and Physics Tutor](#) – Don't be fooled by the title. This website covers many more subjects, including Biology. There are glossaries, study notes and revision activities for each unit
- [Bozeman Science](#) – this is tailored to the American education system but is still incredibly useful in the level of detail that the videos go into
- [Science Journal for Kids](#) – Again, don't be fooled by the word 'kids' in the title. This is a bank of journals that have been adapted from real research articles to make them more user friendly to young people. A great website if you are interested in a career in research
- [Malmesbury Science](#) – have a sneaky peek at the required practicals in the Biology course.

Curriculum-Related Books

- A Level Biology 2nd Edition [Year 1](#) / [Year 2](#) – These are the text books we may use in lessons. You will be provided with a login to Kerboodle so you can access an online version of these books
- [Head Start to A Level Biology](#) – A **very** useful book and currently free for Kindle download (May 2020)
- [Maths Skills for A Level Biology](#) – Also a **very** useful book with all the maths skills you will need, worked examples and practice questions

Just a few non-curriculum related books for those of you who like to read for pleasure:

- [The race to crack the genetic code \(2016\)](#) – just one of many books on the progress the scientific community has made in the genetics field
- [The immortal life of Henrietta Lacks \(2019\)](#) – Remember learning about stem cells? Learn the history, ethics and social context behind the development of stem cells that was made possible through cancer cells taken from this woman in 1951, without her knowledge.
- [The Body: A Guide for Occupants \(2019\)](#) – A Bill Bryson book that is full of interesting facts about how the body works

Journals, Online Magazines and Podcasts

These are released daily or weekly so as a result contain the most up to date developments in science that affect society, health and the environment.

- www.nature.com
- www.nationalgeographic.co.uk
- www.newscientist.com
- www.ted.com/talks
- www.sciencemag.org/podcasts
- www.thenakedscientists.com/science-podcasts



Want to make yourself stand out from the UCAS application crowd?

You might think it's crazy to be thinking about this now, you haven't even started your A Levels yet! However, this summer you have more time than any other year group has had between school & sixth form and UCAS application will be here before you know it. Why not make the time now **count!**?

Why not think about completing an [Extended Project Qualification](#) (EPQ)?

Get in touch to ask about this

Or, how about a **free** online course? Here are just a few....

- [Predictive Medicine](#) from the Open University
- [Infection & immunity](#) also from the Open University
- [Ecology & Wildlife Conservation](#) from Future Learn & the University of Leeds
- [Improving Food Production with Biotechnology](#) from Future Learn & the University of Cambridge

There are hundreds of courses to choose from and many last just a couple of weeks and take a couple of hours a week to complete. The difference they could make on your personal statements and applications is immense!

Summer Tasks

Please complete the [Bridging Course Booklet](#).

