HIGHDOWN SCHOOL AND SIXTH FORM CENTRE
ON THE ROAD TO POST-16 STUDY

BIOLOGY




Read/Research	Watch/Listen	Revisit	Other Tasks
Required Textbook: You will need to purchase the textbook for September. You may choose to do this now and start looking at the course content. You can either: 1. Purchase the year 1 book this year (and the year 2 book next year). AQA Biology 2nd edition: A level Year1 and AS. Authors Glenn & Susan Toole. 978-0-19-835176-4 2. Purchase the combined year 1 and 2 book. AQA Biology 2nd edition: A level Biology. Authors Glenn & Susan Toole. ISBN:978-0-19-835177-1 **CPG Head start book.** You can purchase a paper copy of this book or it is free to download via the kindle app. This book is great for introducing yourself to the key topics in the transition from GCSE to A level. The **specification** for this course can be found at https://filestore.aqa.org.uk/resources/biology/specifications/AQA-7401-7402-SP-2015.PDF. You could choose to familiarise yourself with the specification.	There are lots of videos you can find that relate to the A level Biology course. Explore TED talks to discover areas of Biology that interest you. https://www.ted.com/topics/biology Discover amazing David Attenborough documentaries. All box sets can be found on BBC iplayer. Take a listen to 60-second science. A short Science podcast released daily. https://www.scientificamerican.com/podcast/60-second-science/	In year 1 there are a number of A level topics that build on your GCSE knowledge. By fully understanding these GCSE topics you will be able to access the A level topics more easily. These topics are: • Cell structure • Diffusion, Osmosis and active transport • DNA structure • Mitosis Vs Meiosis • Enzyme function and factor affecting them • Heart structure It is important to be confident with basic maths skills. These skills are very important to fully understand and use in this course. Have a go at some of the worksheets in this book – focus on section 1 (1.1 - 1.17). https://en.calameo.com/read/000777772 15eb633228e4a?authid=PxULnYR8lBAq	Pick an article from The New Scientist or The Oxford Scientist that interests you. Then summarise the article in a few sentences. https://www.newscientist.com/ http://oxsci.org/ Here is a link to a transition pack. If you are feeling confident you could have a go at these questions and mark your answers, which are at the end of the pack. http://fdslive.oup.com/www.oup.com/oxed/secondary/science/Science_A_Level_Transition_Pack_Biology.pdf