

## A-Level Biology Preparation: Key Topics

- Below is a list of GCSE topic areas that you should revisit before commencing your studies in A-Level biology. You may want [to use the suggested videos, BBC bitesize or your revision guide](#) to make notes on each of the topics. The topics highlighted in green were only covered on the biology paper, therefore if you were in set 3 or below you will not have studied these topics before so it is definitely worthwhile spending time looking at these in more detail.
- You may also wish to sign up to Seneca.com and complete GCSE refresher and A level taster activities (class code – rlo75k4xpp)or [Click here to](#) go straight to assignment.

If you have any questions, please contact Miss Clegg using the itslearning messenger function.

A level topic	GCSE knowledge you will be building on	Suggested revision videos
<b>Biological molecules</b>	<ul style="list-style-type: none"> <li>The chemistry of food</li> <li>Food tests</li> <li>DNA structure</li> <li>Enzymes</li> </ul>	Covered in September preparation task Covered in September preparation task Covered in September preparation task <a href="#">Enzymes - GCSE Biology (9-1) - YouTube</a>
<b>Cells</b>	<ul style="list-style-type: none"> <li>Eukaryotes and prokaryotes</li> <li>Microscopes and magnification</li> <li>Cell transport</li> <li>Cell division</li> </ul>	<a href="#">The whole of CELL STRUCTURE. AQA Biology or combined science 9-1 revision for paper 1 - YouTube</a>  <a href="#">How to calculate magnification - YouTube</a>
	<ul style="list-style-type: none"> <li>Communicable disease</li> <li><b>Monoclonal antibodies</b></li> </ul>	<a href="#">Communicable Diseases - GCSE Biology (Revision for 2020) - YouTube</a> <a href="#">GCSE Biology - Monoclonal Antibodies #67 - YouTube</a>
<b>Exchange and transport</b>	<ul style="list-style-type: none"> <li>Animal transport</li> <li>Plant transport</li> </ul>	<a href="#">GCSE Biology - What Is Blood Made of? / What Does Blood Do? #19 - YouTube</a>  <a href="#">GCSE Biology - Blood Vessels #18 - YouTube</a>  <a href="#">GCSE Biology - The Heart #17 - YouTube</a>  <a href="#">GCSE Biology - Transport in plants - Translocation (Phloem) and Transpiration (Xylem) #25 - YouTube</a>
Genetic information, variation and relationships	<ul style="list-style-type: none"> <li><b>DNA</b></li> <li><b>Protein synthesis</b></li> <li>Meiosis</li> <li>Natural selection</li> <li>Classification</li> <li><b>Sustainable food production</b></li> </ul>	<a href="#">GCSE Biology - What is DNA? (Structure and Function of DNA) #79 - YouTube</a>  <a href="#">GCSE Science Revision Biology "Protein Synthesis" (Triple) - YouTube</a>  <a href="#">GCSE Biology - Meiosis #47 - YouTube</a>  <a href="#">EVOLUTION BY NATURAL SELECTION GCSE Biology 9-1   Combined (Revision &amp; Qs) - YouTube</a>  <a href="#">GCSE Biology - Classification #57 - YouTube</a>  <a href="#">GCSE Science Revision Biology "Food Security" (Triple) - YouTube</a>  <a href="#">GCSE Science Revision Biology "Modern Farming Methods" (Triple) - YouTube</a>  <a href="#">GCSE Science Revision Biology "Sustainable Fisheries" (Triple) - YouTube</a>