

# Long term Plan Subject: Biology (combined science) YEAR 10

Term	Topic(s)	Assessed work	Additional details
1 a 7 weeks  14 lessons	<b>Topic CB6</b> <ul style="list-style-type: none"> <li>• Photosynthesis and leaf structure</li> <li>• Root hair cells</li> <li>• Xylem and Phloem</li> <li>• Stomata</li> <li>• Transpiration and potometers</li> </ul>	CB6 End of topic test	
1b 7 weeks  14 lessons	<b>Topic CB3</b> <ul style="list-style-type: none"> <li>• Meiosis</li> <li>• DNA and genomes</li> <li>• Alleles and monohybrid inheritance</li> <li>• Sex determination</li> <li>• Variation and mutations</li> <li>• Human genome project</li> </ul>	CB3 End of topic test	
2a 7 weeks  14 lessons	<b>Topic CB4</b> <ul style="list-style-type: none"> <li>• Darwin and Natural selection</li> <li>• Evidence for human evolution</li> <li>• Classification</li> <li>• Selective breeding</li> <li>• Genetic engineering</li> </ul>	CB4 End of topic test	
2b 5 weeks  10 lessons	<b>Topic CB5</b> <ul style="list-style-type: none"> <li>• Communicable diseases and pathogens</li> <li>• Physical and chemical barriers</li> <li>• The specific immune response</li> <li>• Immunisation</li> <li>• Antibiotics + development of new medicines</li> </ul>		
3a 5 weeks  10 lessons	<ul style="list-style-type: none"> <li>• Obesity, malnutrition and BMI</li> <li>• Alcohol and liver disease</li> <li>• Cardiovascular disease and smoking</li> </ul> <p><b>Consolidation and exam preparation</b></p>		

3b 7 weeks  14 lessons	<b>Exam preparation and revision</b>  <b>Topic CB7</b> <ul style="list-style-type: none"><li>• Hormones</li><li>• Adrenaline and thyroxine</li></ul>	13 <sup>th</sup> June -Exam week 20 <sup>th</sup> /27 <sup>th</sup> June-work experience	
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