




<b>A-Level Biology</b>																						
<b>Full course title and Exam Board</b>	AQA A-Level Biology (7402)	Specification QR 																				
<b>Teacher(s)</b>	Mrs O Deniz <a href="mailto:okorkmaz@enfieldgrammar.org">okorkmaz@enfieldgrammar.org</a> Ms R Ladas <a href="mailto:rladas@enfieldgrammar.org">rladas@enfieldgrammar.org</a>																					
<b>Introduction</b>	<p>In Biology you will develop practical skills by planning experiments, collecting data, analysing experimental results and making conclusions. You will also learn how scientific models are developed, the applications and implications of science, the benefits and risks that science brings and the ways in which society uses science to make decisions.</p> <p>Biology is a science at the forefront of some of the most exciting and controversial issues in the news today. Current publicity surrounding genetic engineering, environmental and medical developments have highlighted the need for an understanding of such issues. Biology seeks to explore these areas of study to provide an appreciation of the living world.</p>																					
<b>What is the course about?</b>	<p>What is the course about?</p> <ol style="list-style-type: none"> <li>1. Biological molecules</li> <li>2. Cells</li> <li>3. Organisms exchange substances with their environment</li> <li>4. Genetic information, variation and relationships between organisms</li> <li>5. Energy transfer in and between organisms</li> <li>6. Organisms respond to changes in their internal and external environment</li> <li>7. Genetics, populations, evolution and ecosystems</li> <li>8. The control of gene expression</li> </ol> <p>A separate endorsement of practical skills based on 12 experiments carried out during the course.</p>																					
<b>How will I be assessed and what will I be studying?</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #4a4a8a; color: white;">Paper 1</th> <th style="background-color: #4a4a8a; color: white;">+</th> <th style="background-color: #4a4a8a; color: white;">Paper 2</th> <th style="background-color: #4a4a8a; color: white;">+</th> <th style="background-color: #4a4a8a; color: white;">Paper 3</th> </tr> </thead> <tbody> <tr> <td style="background-color: #e6e6e6;"> <b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 1–4, including relevant practical skills</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 5–8, including relevant practical skills</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 1–8, including relevant practical skills</li> </ul> </td> </tr> <tr> <td style="background-color: #e6e6e6;"> <b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>91 marks</li> <li>35% of A-level</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>91 marks</li> <li>35% of A-level</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>78 marks</li> <li>30% of A-level</li> </ul> </td> </tr> <tr> <td style="background-color: #e6e6e6;"> <b>Questions</b> <ul style="list-style-type: none"> <li>76 marks: a mixture of short and long answer questions</li> <li>15 marks: extended response questions</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>Questions</b> <ul style="list-style-type: none"> <li>76 marks: a mixture of short and long answer questions</li> <li>15 marks: comprehension question</li> </ul> </td> <td></td> <td style="background-color: #e6e6e6;"> <b>Questions</b> <ul style="list-style-type: none"> <li>38 marks: structured questions, including practical techniques</li> <li>15 marks: critical analysis of given experimental data</li> <li>25 marks: one essay from a choice of two titles</li> </ul> </td> </tr> </tbody> </table>		Paper 1	+	Paper 2	+	Paper 3	<b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 1–4, including relevant practical skills</li> </ul>		<b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 5–8, including relevant practical skills</li> </ul>		<b>What's assessed</b> <ul style="list-style-type: none"> <li>Any content from topics 1–8, including relevant practical skills</li> </ul>	<b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>91 marks</li> <li>35% of A-level</li> </ul>		<b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>91 marks</li> <li>35% of A-level</li> </ul>		<b>Assessed</b> <ul style="list-style-type: none"> <li>written exam: 2 hours</li> <li>78 marks</li> <li>30% of A-level</li> </ul>	<b>Questions</b> <ul style="list-style-type: none"> <li>76 marks: a mixture of short and long answer questions</li> <li>15 marks: extended response questions</li> </ul>		<b>Questions</b> <ul style="list-style-type: none"> <li>76 marks: a mixture of short and long answer questions</li> <li>15 marks: comprehension question</li> </ul>		<b>Questions</b> <ul style="list-style-type: none"> <li>38 marks: structured questions, including practical techniques</li> <li>15 marks: critical analysis of given experimental data</li> <li>25 marks: one essay from a choice of two titles</li> </ul>
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<b>Current Text book and further Reading</b>	<p>A-Level Sciences for AQA. AQA Biology. 2nd Edition. OXFORD. Glenn Toole and Susan Toole Students are able to access online version of this book for free using their Kerboodle login . CGP Head Start to A-Level Biology. Bridging the gap between GCSE and A-Level ISBN: 9781782942795</p>																					
<b>Future Career Directions</b>	<p>A-level Biology will allow your son to nurture a passion for Biology and lay the groundwork for careers as a : Doctor, Clinical molecular geneticist, Nature conservation officer, Pharmacologist, Research scientist, Vet, Secondary school teacher, Marine biologist and Dentist.</p>																					
<b>Subject Entry Requirements</b>	Grade 7 in Additional Science and Grade 6 Maths.																					