

## DAGENHAM PARK SUBJECT CURRICULUM

<b>Subject</b>	Biology
<b>Year Group</b>	10
<b>Overview</b>	<p><b>Biology</b></p> <p><b>Overview</b></p> <p>GCSE Biology offers students the chance to gain a good understanding of:</p> <ul style="list-style-type: none"> <li>• The structure and replication of cells.</li> <li>• The response of the body to infectious disease.</li> <li>• How the body maintains conditions inside it</li> <li>• Genetic engineering.</li> <li>• Inheritance in animals and plants.</li> </ul> <p>The specification is designed to give students the tools and concepts they need to be able to construct a scientific approach to solving problems. Students will learn to ask and answer questions about the fundamental laws that govern natural phenomena. This is done by integrating the 'How Science Works' approach throughout the specification.</p> <p>The students need to carry out required practicals during class time to show that they can manipulate equipment, process results, formulate conclusions and evaluate their work.</p>
<b>Autumn Half term 1</b>	<p><b>Biology Unit 2: Organisation</b></p> <p>4.2.1 Principles of organisation</p> <p>4.2.2 Animal tissues, organs and organ systems</p> <p>4.2.3 Plant tissues, organs and systems</p>
<b>Autumn Half term 2</b>	<p><b>Biology Unit 2: Organisation</b></p> <p>4.2.1 Principles of organisation</p> <p>4.2.2 Animal tissues, organs and organ systems</p> <p>4.2.3 Plant tissues, organs and systems</p>
<b>Spring Half term 1</b>	<p><b>Biology Unit 3 – Infection and response</b></p> <p>4.3.1 Communicable diseases</p>

<b>Spring Half term 2</b>	<b>Biology Unit 3 – Infection and response</b> 4.3.1 Communicable diseases
<b>Summer Half term 1</b>	<b>Biology Unit 4: Bioenergetics</b> 4.4.1 Photosynthesis 4.4.2 Respiration
<b>Summer Half term 2</b>	<b>Biology Unit 4: Bioenergetics</b> 4.4.1 Photosynthesis 4.4.2 Respiration
<b>Homework</b>	<b>Homework</b> Graded tasks. Revision packs. Exam booklets.
<b>Useful Resources</b>	<b>Useful Resources/websites</b> Study packs on every section are on the learning platform. CGP Revision guides. School's Share point. BBC Bitesize. Seneca