






YEAR 9 CURRICULUM INFORMATION - Biology

	Spring 1	Spring 2
What will students be learning?	<ol style="list-style-type: none"> <li>1. Principles of organization</li> <li>2. Enzymes</li> <li>3. Enzymes and digestion</li> <li>4. Enzymes lock and key theory</li> <li>5. Require practical: Food tests</li> <li>6. Required practical: Amylase digestion</li> </ol>	<ol style="list-style-type: none"> <li>1. Heart dissection</li> <li>2. Heart structure</li> <li>3. Blood composition</li> <li>4. Blood vessels</li> <li>5. Coronary Heart Disease</li> </ol>
How will students be assessed?	Weekly Knowledge Checks Low stakes quiz in lessons Exam Q practice Mid topic milestone End of topic milestone	Weekly Knowledge Checks Low stakes quiz in lessons Exam Q practice Mid topic milestone End of topic milestone
Literacy – What keywords	Cell, tissue, organ, organ system, organism, enzyme, catalyst, optimum, denature, rate, active site, substrate, collision theory, digest, amylase, protease, lipase, emulsify, bile, pancreas, salivary gland, small intestine, absorption, epithelium	Circulation, blood, artery, vein, capillary, heart, pacemaker, CHD, stent, statin, transplant, non-communicable, health
What employability skills are being developed?	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills

<p>Wider Curriculum Links?</p>	<p>GCSE Links Maths links Child development Food technology PE</p>	<p>GCSE Links Maths links Child development Food technology Geography PE</p>
<p>What useful websites are there for this topic?</p>	<p> <a href="#">Free Science Lessons</a></p> <p> <a href="#">Primrose Kitten</a></p> <p> <a href="#">GCSE Pod</a></p>	<p> <a href="#">Miss Estruch</a></p> <p> <a href="#">Oak National Academy</a></p>
<p>What wider reading could be done for this topic?</p>	<p>BBC news – Health and medicine sections Khan Academy</p>	<p>BBC news – Health and medicine sections Khan Academy</p>
<p>What else can students be doing independently to develop their understanding of this topic?</p>	<p>Exam Question Practice (matches the revision guides on ParentPay): Collins AQA GCSE 9-1 Biology Workbook</p> <p>Exam Question Practice (Separate Higher Tier): CGP GCSE Biology AQA Exam Practice Workbook – Higher</p> <p>Exam Question Practice (Combined Higher Tier): CGP GCSE Combined Science AQA Exam Practice Workbook – Higher</p> <p>Exam Question Practice (Separate Foundation Tier): CGP GCSE Biology AQA Exam Practice Workbook – Foundation</p> <p>Exam Question Practice (Combined Foundation Tier): CGP GCSE Combined Science AQA Exam Practice Workbook - Foundation</p>	