



QPHS Year 10 Biology Curriculum Map

Half term	Title	Unit summary	Assessment
1	B1/2 Cells and Organisation (Teacher 2)	<ul style="list-style-type: none"> • Chromosomes, mitosis and the cell cycle • Transport in cells; osmosis and active transport • Organisation; enzymes in digestion and the circulatory system 	<ul style="list-style-type: none"> • Required practical – investigate the effect of a range of concentrations of solution on the mass of plant tissue. • Required practical – investigate the effect of pH on the rate of reaction of amylase enzyme. • Mid-point test with cumulative content from year 9 biology 2. • End of topic test with cumulative content from year 9 biology 2.
2			
3	B3 Infection and Response (Teacher 2)	<ul style="list-style-type: none"> • Communicable diseases in animals and plants including culturing microorganisms • Defences against diseases and drug development including producing monoclonal antibodies • Non communicable diseases in animals and plants, health issues, CHD and cancer 	<ul style="list-style-type: none"> • Required practical – investigate the effect of antiseptics on bacterial growth. • End of topic test with cumulative content from year 10 biology.
4			
5	B4 Bioenergetics (Teacher 2)	<ul style="list-style-type: none"> • Plant tissues, organs and systems • Photosynthesis • Respiration and metabolism 	<ul style="list-style-type: none"> • Required practical – investigate the effect of light intensity on the rate of photosynthesis. • End of topic test with cumulative content from year 10 biology.
6			
Revision			