



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 cycleTransport in cells; osmosis and active transportOrganisation; 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 microorganismsDefences against diseases and drug development including producing monoclonal antibodiesNon 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 systemsPhotosynthesisRespiration 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		