

## Biology

Biology				
		Lesson content	Assessment	Homework/Revision
04/09/23	1	N/a	N/a	N/a
11/09/23	2	Photosynthesis recap Light dependent reaction Survival and response Plant growth factors		Independent study
18/09/23	3	Light independent reaction Factors effecting photosynthesis RP10- Maggot maze The reflex arc & skin receptors		RP10 Write up Independent study
25/09/23	4	RP7- Chromatography of leaf pigments RP8- Activity of chloroplasts Light receptors Control of heart rate		RP7 Write up Independent study
02/10/23	5	Photosynthesis revision Glycolysis Neurones & nervous coordination The nerve impulse	Photosynthesis mid topic assessment	RP8 Write up Independent study
09/10/23	6	Link reaction & Krebs cycle Oxidative phosphorylation Passage of an action potential Speed of the nerve impulse	Nerve impulse mid topic assessment	Independent study
16/10/23	7	Anaerobic respiration RP9- Yeast The synapse Function of the synapse		RP9 Write up Independent study
23/10/23	8	Food chains & energy transfer Biomass Structure of the skeletal muscle Contraction of the skeletal muscle		Independent study
06/11/23	9	Farming techniques Nitrogen cycle Homeostasis & thermoregulation		Independent study

		<b>Feedback mechanisms</b>		
<b>13/11/23</b>	<b>10</b>	Phosphorus cycle Fertilisers Structure of the pancreas Diabetes	<b>Energy transfers end of topic assessment</b>	<b>Independent study</b>
<b>20/11/23</b>	<b>11</b>	Monohybrid inheritance Dihybrid inheritance The kidney Osmoregulation		<b>Independent study</b>
<b>27/11/23</b>	<b>12</b>	Codominance & multiple alleles Sex-linkage Hormones in osmoregulation Ecosystems	<b>Response end of topic assessment</b>	<b>Independent study</b>
<b>04/12/23</b>	<b>13</b>	Autosomal linkage Epistasis Competition Population growth curves		<b>Independent study</b>
<b>11/12/23</b>	<b>14</b>	Genetics chi <sup>2</sup> Variation in phenotype Random sampling Systematic sampling		<b>Independent study</b>
<b>18/12/23</b>	<b>15</b>	Natural selection Selection effects Speciation Succession Conservation		<b>Independent study</b>