

AKI		CDU	
HT1 (7 weeks)	19	HT 1 (7 weeks)	19
19 Populations in ecosystems		11. Photosynthesis	
Succession	3	Photosynthesis recap and application	3
Conservation	2	RP7 Uses of Chromatography to investigate pigments in leaves.	3
RP12 Investigate an environmental factor on the distribution of a species.	3	RP8 Investigation into the effect of a named factor on the rate of dehydrogenase activity in extracts of chloroplasts.	3
End of topic test: Populations and ecosystem	2	End of topic test: Photosynthesis	2
13 Energy and ecosystems		12. Respiration	
Biomass, food chains energy transport	1	Respiration inc summary and links to photosynthesis	8
GPP NPP	1		
Net production of consumers	2	Block A assessment (including Y1 questions)	
Farming	1	HT 2 (8 weeks)	24
Intro to nutrient cycles	1	RP9 Investigate rate of respiration of cultures of single celled organisms	3
Phosphorous cycle	2	End of topic test: Respiration plus resit	4
Nitrogen cycle	1	15 Nervous co-ordination and muscles	
Block A assessment (including Y1 questions)		Nerve impulses and conduction	4
HT 2 (8 weeks)	24	Synapses	3
Fertilisers and eutrophication	2	Skeletal muscle	5
End of topic test: Energy and ecosystems	2	Catch up lessons or essay prep 6 markers	2
14. Response to stimuli		End of topic test: Nerves and muscles	2
IAA and plants	2	HT3 (6 weeks)	18
Taxis and kinesis	1	16. Homeostasis	
Reflex	1	Positive and negative feedback	2
RP10 Choice chambers	3	Blood glucose level	2
Receptors and Pacinian corpuscle	3	Blood water level	4
Human retina	2	RP 11 Glucose calibration curve (need 3s in all for this prac)	5
Control of heart rate	2	End of topic test	2
End of topic test	1	Block B Assessment	2
Block B Assessment	2	Recap DNA structure	1
Catch up lessons or essay prep 6 markers	3	HT 4 (7 weeks)	21
HT 3 (6 weeks)	18	21 Recombinant DNA technology	
18. Populations and evolution	1	Recombinant DNA with application	10
Population genetics and Variation in phenotype	1	Locating genes, genetic screening and counselling	3
Natural selection	2	Genetic fingerprints	2
Block B exam week	2	DNA probes	1

Types of selection	3	Application	2
Speciation	3	End of topic test: Recombinant DNA Technology	2
Hardy-Weinberg	1	HT5 till exam leave	12
End of topic test: Populations and evolution	2	Revision and exam prep	
20. Gene expression			
Gene mutations and mutagenic agents	1		
Stem cells and totipotency	2		
Regulation of transcription and translation	1		
Epigenetic control of gene expression	1		
HT4 (7 weeks)	21		
Gene expression and cancer	3		
Genome projects	1		
End of topic test: Gene expression	2		
17. Inherited change			
Inheritance key terms	1		
Monohybrid genetic crosses	2		
Dihybrid crosses	2		
Co dominance and multiple alleles	2		
Sex linkage and autosomal linkage	2		
Epistasis	1		
Chi squared	3		
End of topic test: Inherited change	2		
HT5 till exam leave	12		
Revision and exam prep			