

Barnsley Academy – (Year 11) (Subject – Triple science BIOLOGY) Curriculum Overview 2023-24

Autumn Term			Spring Term			Summer Term		
	Class Focus	Homework		Class Focus	Homework		Class Focus	Homework
Week 1	<ul style="list-style-type: none"> Human nervous system Reflex arc Reaction time required practical 	Nervous system	Week 1	<ul style="list-style-type: none"> Environmental change Biodiversity Biomass and energy transfer 	Carbon cycle	Week 1	Revision for exams – paper 1 content. Use Y11 revision lessons, 15 minute teacher talk followed by silent exam practice (30 minutes)	
Week 2	<ul style="list-style-type: none"> The brain The eye (vision) The eye (correcting vision) 	The eye	Week 2	<ul style="list-style-type: none"> Food security Decay RP Closing the gap 	Biomass and energy transfer B7 revision quiz (20 QS)	Week 2		
Week 3	<ul style="list-style-type: none"> Closing the gap Hormones and glands Thermoregulation 	Hormones and negative feedback	Week 3	<ul style="list-style-type: none"> EOUA Ecology 		Week 3		
Week 4	<ul style="list-style-type: none"> Blood glucose regulation Osmoregulation Kidneys 	Blood glucose	Week 4			Week 4		
Week 5	<ul style="list-style-type: none"> Menstrual cycle IVF (fertility treatment) Contraception 	Hormones in reproduction	Week 5			Week 5		
Week 6	<ul style="list-style-type: none"> Plant hormones Closing the gap EOUA Homeostasis 	Plant hormones B5 revision quiz (20 QS)	Week 6			Week 6		
Week 7	<ul style="list-style-type: none"> Mitosis vs meiosis (cell Division) Types of reproduction Sexual and asexual – evaluate 	Cell division	Week 7			Week 7		
Week 8	<ul style="list-style-type: none"> DNA and genome Protein synthesis Inheritance 	DNA	Week 8			Week 8		
Week 9	<ul style="list-style-type: none"> Inherited disorders Mendel Sex and family trees 	Inheritance and genetic crosses	Week 9			Week 9		
Week 10	<ul style="list-style-type: none"> Closing the gap Variation and evolution Evolutionary theories 	Evolution – natural selection	Week 10			Week 10		
Week 11	<ul style="list-style-type: none"> Speciation Resistant bacteria Evidence for evolution 	Fossils and speciation				Week 11		

Week 12	<ul style="list-style-type: none"> • Selective breeding • Genetic engineering • Cloning 	SB and GE				Week 12		
Week 13	<ul style="list-style-type: none"> • Classification • Closing the gap • EOUA – Inheritance 	B6 revision quiz (20 QS)				Week 13		
Week 14	<ul style="list-style-type: none"> • Communities • Biotic and abiotic factors • Adaptations 	Adaptations/ BA				Week 14		
Week 15	<ul style="list-style-type: none"> • Sampling quadrat • Sampling transects • Carbon and water cycle 	Sampling						
Assessment			Assessment			Assessment		