

Half term	Unit title	Key knowledge/ Content to learn and retain	Essential skills to acquire (subject & generic)	Link to subject ethos and driver (rename)	Anticipated misconcepti ons	Links to previous KS	Links to future KS	Opportunity for stretch for high prior attainers	SMSC & British Values	Cultural Capital	Career Link
One	Inheritance, variation and evolution	Evolution by natural selection Evidence for evolution, including fossils and genetic evidence Classification How human understanding of genetics has changed over time, Cloning and genetic engineering	Calculation of simple probability Writing and interpreting tree charts Extended writing		Alleles as different genes rather than different versions of a gene Confusion between genotype and phenotype	This unit builds on the study of heredity and evolution that is completed in year 8	Study of genetics forms the basis of an entire unit of study in both A-Level biology and Applied human Biology	Advantages and disadvantages of sexual be asexual reproduction and why organisms capable of both would chose a strategy Why scientists did not initially accept ideas of evolution Comparison of Lamark and Darwin	Inherited disorders and issues around family planning Darwin as a British Scientist	Charles Darwin and the voyage of the beagle Historical debate around evolution	Medical research Family planning adviser Genealogist Conservationi st

Two	Ecology	Biotic and	Practical	Students often	This unit	Ecology forms	Consider why	Humans as a	Study of	Conservationi
		Abiotic	sampling	think of	builds from	an entire unit	and how	wider part of	different	st
		factors	techniques	humans as	the study of	of study at	energy is lost	the ecosystem	ecosystems,	_
				organisms	interdependen	Biology	along a food	and our place	climates and	Farmer
		Competition	Recording	beyond or	ce in KS3.	A-Level,	chain	and role in	habitats both	F 16
		between	accurate data	outside of	Students	where		protecting the	in the UK And	Food Scientist
		organisms		food webs and	should already	students will	Evaluate	environment;	world wide	
		<b>_</b>	Representing	the larger	have a basic	study all of	sampling	including the		Careers with
		Food chains,	and	ecosystem, so	understanding	the concepts	techniques	consequences		the
		webs and	interpreting	it is important	of food chains	looked at here	and suggest	if we fail to do		environment
		trophic levels	data in tabular	that they	and how	in greater	why a given	so.		agency or
			and graphical	understand	energy flows	depth.	technique may			DEfRA
		Sampling	form	the role	and is lost		be used			
		techniques		humans play	along them					
			Extended				Suggest ways			
		Human impact	Writing	The difference	In KS3		to improve			
		on		between	students also		food security			
		biodiversity	Reading for	Quadrat and	study the					
			comprehensio	Transect	importance of					
		(Triple Only)	n	sampling	plants to					
		Decay and			human food					
		nutrient			security.					
		cycles								
					This unit also					
		(Triple Only)			follows					
		Human food			directly on					
		production			from HT1, in					
					which					
					students					
					looked at					
					evolution and					
					how					
					organisms					
					compete with					
					each other for					
					survival					
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Three			Hal	term three is dedicated to r	evision of Paper Tv	vo. in preparation	for March PPEs			

Four	Half Term Four is dedicated to revision of Paper One Topics				
Five	Revision for final exams - Paper One is normally held toward the start of the exam season before the half term break				
Six	Revision for final exams - Paper Two is normally held toward the end of the exam season before the half term break				