

Overview plans for academic year 2025-2026

Subject: Biology Year group/cohort: 11

	Knowledge and Understanding	Knowledge and Understanding	Skills	Skills	Assessment	Subject specific literacy	Cross curricular links
	Components	Composite	Components	Composite	What is being	Key Vocabulary	Including
	(Key concepts)	(Bigger picture)	(Key concepts)	(Bigger picture)	assessed, how,		Personal
					and when?		Development
							and SMSC
Autumn	Introduce to the	B5 Homeostasis				Adrenaline	
Term 1	endocrine and		To plan and carry	Required Practical		Homeostasis	
	Nervous Systems.		out an	– Reaction Time		Reflex actions	
	Explore the		investigation into			Central nervous	
	conditions that		the effect of a			system	
	must		factor on human			Gland	
	be maintained		reaction time		Formative	Hormone	
	linking back to				Assessment –	Effector	
	previous				Diabetes	Receptor	
	concepts, such as					Stimulus	
	enzyme activity					Contraception	
	and diabetes.					Progesterone	
	Understand and					vasoconstriction	
	explain two				Formative	vasodilation	
	mechanisms are				Assessment –	Phototropism	
	vital to support					Gravitropism	

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	students in				Contraception	
	developing their				(WS)	
	comparative skills					
	between these		To investigate the	Required Practical	6 Mark Questions	
	two responses.		effect of light or	– Plants		
	Understand why		gravity on the			
	both systems are		growth of newly			
	important and		germinated		Formative	
	think about what		seedlings.		Assessment –	
	would happen to				Plant Hormones	
	a person if either					
	system was to go					
	wrong linking					
	back to previous					
	content and		Eye dissection	<u>Practical</u>		
	Health.					
			Brain Dissection	<u>Practical</u>	Formative	
	To understand				Assessment – The	
	the structure and				Eye WS	
	function of the					
	eye and brain.					
					End of Topic	
					Assessment	
Autumn	Investigate the	B6 Variation and				Students get the
Term 2	implications of	evolution				opportunity to
	Asexual					study the work
	reproduction and					of famous
	the lack					scientists
						Mendel,
						11.6/1061,

of vari	iation it can				Lamarck and
lead to		Use of tally charts	Genetics	Formative	Darwin and how
	estand and	to determine	<u></u>	Assessment –	their discoveries
descri		probability		DNA	shaped the
	stems and	probability		Divit	development of
1	nunities.				genetics and
	tructure of				evolution.
DNA is					evolution <u>i</u>
introd					Explain the
	g this to the				potential
_	in genome				benefits and
	ct where				risks of cloning
1	discuss				in agriculture
both					and in medicine
	ositives and				and that some
·	ives with				people have
	ing the				ethical
	human				objections
genon	ne and its				•
poten					
applic	ations.				
Invest	rigate				
evolut	tion and				
evalua	ate the				
propo	sed				
theori	ies of				
Charle	es Darwin			Formative	
	ean Bapiste			Assessment -	
Lamar				Evolution	
· ·	aring both				
theori	· ·				
studer	nts				

	use research along with application of their working scientifically skills to decide why				
	Lamarck's theory				
	was rejected in				
	favour of				
	Darwin's.			End of Topic	
				Assessment	
Spring		Preparation for			
Term 1		GCSE Gap analysis			
102		and bridging			
		activities			
Spring		Preparation for			
Term 2		<u>GCSE</u>			
Summer					
Term 1					
Summer					
Term 2					

Subject Information including exam board details:

AQA Biology 4461

Careers linked to this subject area:
Biologist
Ecologist
Geneticist
Marine Biologist
Health Care
Paramedic
Medical Careers
Enrichment Opportunities:
Science in the News : Science News Explores News from all fields of science for readers of any age (snexplores.org)
Seneca Learning Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)
Focus Educational log in – Interactive Required Practicals https://www.focuselearning.co.uk/u/38146/gbhzCgxzycptBrCnafDAomEiyydluFiqv

BBC Bitesize GCSE Biology (Single Science) - AQA - BBC Bitesize