

BIOLOGY

Year 12						
When	WHAT & WHY WILL THEY LEARN? (SOW overview linked to assessment Objectives) What do Yr12/13 need to know and be able to do by the time they leave TENC? How do you sequence the teaching? How do you revisit, revise and reinforce?		New Skill = NS Revisit = R Revision = RV	<u>Stretch and Challenge</u> (Differentiation – how will you stretch the most able to achieve top grades?) Is your curriculum challenging?	<u>CIEAG/Extension</u> <u>Enrichment</u> Trips, workshops, speakers, local environment and experiences	<u>KS4 PRIOR LEARNING</u> How will GCSE knowledge, skills & experience across 3 schools link to and support KS5 new knowledge and skills? This needs to show how you build links across the experiences of the different schools
Term Plan	<u>KNOWLEDGE & SKILLS</u>	<u>Assessment Objective</u>				
	<u>Transition Task</u> Checks: Maths skills GCSE Knowledge Challenges through extension	AO1 AO2 AO3	R	Requires research into structure and function of cell organelles.		Checks that all students have a suitable grasp of the GCSE standard knowledge of Biology to progress. Checks ability to perform basic mathematical procedures. Checks that data can be manipulated and appropriately presented in both tabular and graphical form.
Term 1	Biological molecules Nucleic Acids Cell Structure	AO1 AO2 AO3	R NS	Use of stretch materials from Kerboodle. Independent working in practical's, have		There are very minor differences between the AQA and OCR materials studied at GCSE. This is mostly in line with previous learning of protein synthesis.

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	Transport and Cell recognition			<p>to read and follow written instructions without teacher support.</p> <p>Development of lab book skills.</p> <p>Use of A level past paper questions.</p>		
Term 2	<p>6 Organisms exchange substances with their environment</p> <p>7 Mass Transport</p>	<p>AO1</p> <p>AO2</p> <p>AO3</p>	<p>R</p> <p>NS</p>	<p>Use of stretch materials from Kerboodle.</p> <p>Independent working in practical's, have to read and follow written instructions without teacher support.</p> <p>Development of lab book skills.</p> <p>Use of A level past paper questions.</p>		

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Term 3	8 Genetic information and variation	AO1 AO2 AO3	R NS	Use of stretch materials from Kerboodle.	Webinars on the three Biology papers.	
	9 Genetic Diversity			Independent working in practical's, have to read and follow written instructions without teacher support.		
	10 Biodiversity			Development of lab book skills.		
	19 Populations in ecosystems			Use of A level past paper questions.		

Year 13						
When	WHAT & WHY WILL THEY LEARN?	New Skill = NS	<u>Stretch and Challenge</u>	<u>CIEAG/Extension</u>		<u>IDENTIFY LINKS</u>

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	(SOW overview linked to assessment Objectives)		Revisit = R Revision = RV	(Differentiation – how will you stretch the most able to achieve top grades?)	Trips, workshops, speakers, local environment and experiences	<u>KS4 PRIOR LEARNING</u> How will GCSE knowledge support new skills & knowledge	How will you link learning between schools? What common threads do you have?
Term Plan	<u>KNOWLEDGE & SKILLS</u>	Assessment Objective		Band 5 = Informed Band 6 = Mature			
	<u>Transition Task</u> Essay	AO1 AO2 AO3		Each student is provided with a copy of a work booklet to help them to develop essay writing skills.		English essay writing skills.	We have shared teaching materials.
Term 1	11 Photosynthesis 12 respiration 13 Energy Ecosystem 14 Response to stimuli 17 Inherited change	AO1 AO2 AO3		Use of stretch materials from Kerboodle. Independent working in practical's, have to read and follow written instructions			

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				<p>without teacher support.</p> <p>Development of lab book skills.</p> <p>Use of A level past paper questions.</p>			
Term 2	<p>15 Nervous coordination and muscles</p> <p>16 Homeostatsis</p> <p>18 Populations and evolution</p> <p>20 Hom eostasis</p> <p>20 Gene expression</p>	<p>AO1</p> <p>AO2</p> <p>AO3</p>		<p>Use of stretch materials from Kerboodle.</p> <p>Independent working in practical's, have to read and follow written instructions without teacher support.</p> <p>Development of lab book skills.</p>			

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	21 Recombinant DNA technology			Use of A level past paper questions.			
Term 3	Finish off any incomplete assessed practicals. Review mock exams. Prepare for final exam	AO1 AO2 AO3	RV				