

Subject	Year	Term
Biology	13	1
Topic		
Respiration		
Content (Intent)		
Prior Learning (Topic) GCSE: B4 – Bioenergetics. Year 12: Cell Structure; Transport Across Membranes. Year 13: Energy, Ecosystems & Nutrient Cycles.		
Respiration produces ATP RECAP from AS: structure of mitochondrion Glycolysis Anaerobic Respiration Aerobic respiration including: Link Reaction Krebs Cycle Oxidative Phosphorylation		
Future Learning (Topic) Further University Study		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
Demos None in this topic Practical work Required practical 9 Written Class notes Past paper questions in class Past paper questions in homeworks Write-ups of required practical 9	- 3 x assessed homeworks (Grade given. Written & verbal feedback. Response expected.) -1 x end of topic test (Grade given. Verbal feedback to class and individuals.) - Assessment of CPAC skills from the practical (both written and practical) as detailed on the practical sheets.	
How can parents help at home?		
Look at the topic specific resources on the VLE Use appropriate youtube channels: cognito, freesciencelessons, Crash Course Biology. Encourage students to use the textbook issued. Take an interest! Ask your children what they have learnt and be curious about their learning.		
Helpful further reading/discussion		
Reading New Scientist Biological Science Review Magazine	Vocabulary Lists <i>NAD, NADH, FAD, FADH, glycolysis, glucose, electron carriers, pyruvate, GP, TP,</i>	Careers Links Biochemist Biomedical scientist Biological scientist

<p>The Biologist Magazine – Royal Society of Biology Royal Society of Biology blog</p>	<p><i>acetylcoenzyme A, ATP, mitochondria, cristae, electron transport chain, mitochondria, oxygen</i></p>	<p>Doctor Nurse Midwife Physiotherapist Veterinary medic Veterinary nurse Bioveterinary scientist Healthcare scientist Ecologist Sport scientist</p>
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