



Subject	Year	Term
AQA Biology 8461	10	1
Topic		
Unit 1 Cell Biology		
Content (Intent)		
Prior Learning (Topic)	Unit 2 Organisation	
Unit 1 Cell Biology - Prokaryotes and eukaryotes, Cell specialization and differentiation, Microscopes and Magnification (Req practical 1), Using microscopes, Diffusion, Adaptations to diffusion, Osmosis Practical (Req Practical), Osmosis and Active Transport, Chromosomes and mitosis, cell cycle, stem cells and meristems.		
Future Learning (Topic)	Unit 3 Infection and Response	
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
Knowledge Cell Biology - Prokaryotes and eukaryotes, Cell specialization and differentiation, Microscopes and Magnification (Req practical 1), Using microscopes, Diffusion, Adaptations to diffusion, Osmosis Practical (Required practical) Maths Skills – data and graph interpretation	Key Piece of work (Homework) Pupils given a percentage and formative feedback provided for a targeted piece of homework so that they can respond to the teacher and make progress in the topic. End of topic test Pupils given a percentage, formative feedback and GCSE equivalent grade. Formative feedback provided. Year 10 end of term 1, 2 and year exams Pupils given a percentage, formative feedback and GCSE equivalent grade.	
Knowledge Cell Biology - Osmosis and Active Transport, Chromosomes and mitosis, cell cycle, stem cells and meristems. Triple only – Binary Fission, required practical activity 2: investigate the effect of antiseptics or antibiotics on bacterial growth using agar plates and measuring zones of inhibition.	Key Piece of work (Homework) Pupils given a percentage and formative feedback provided for a targeted piece of homework so that they can respond to the teacher and make progress in the topic. End of topic test Pupils given a percentage, formative feedback and GCSE equivalent grade. Formative feedback provided. Year 10 end of term 1, 2 and year exams Pupils given a percentage, formative feedback and GCSE equivalent grade.	
How can parents help at home?		
Ensure all class booklets are complete and homework submitted on time Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers. Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters. Ensure all pupils have all their resources required for science lessons, including booklets, pens and calculators		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading AQA revision guides AQA revision cards EDUCAKE online learning platform. GCSE POD	Vocabulary Lists Prokaryotes Eukaryotes, Magnification, Osmosis, Diffusion, Active Transport, Nucleus, Cytoplasm, Plasmid, Mitochondria, Cytoplasm, Concentration	