

Subject	Year	Term
Biology	Year 11	2
Topic		
Unit 6 - Inheritance, Variation and Evolution		
Content (Intent)		
Prior Learning (Topic) Unit 5 - Homeostasis		
<p>Unit 6 Inheritance, Variation and Evolution - Sexual, asexual reproduction, Meiosis, DNA and the genome, Genetic inheritance and gender, Genetic disorders, Genetic engineering Variation, Selective breeding, Evolution, Evidence for Evolution – fossils (Extinction HW) Resistant bacteria, Classification of living organisms.</p>		
Future Learning (Topic) Revision and Exam Preparation		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Knowledge Inheritance, Variation and Evolution- Sexual, asexual reproduction, Meiosis, DNA and the genome, Genetic inheritance and gender, Genetic disorders, Genetic engineering, protein synthesis and cloning. Variation, Selective breeding, Evolution, Evidence for Evolution – fossils (Extinction HW) Resistant bacteria, Classification of living organisms.</p> <p>Maths Skills – ratios, percentages.</p> <p>Interleaving Topics Unit 1 Cells and Unit 3 Infection and Response – Key Terms and concepts will be reviewed prior to the start of the Unit 6 such as cell structure, mitosis, antibiotics and development of resistance in bacteria.</p>	<p>Key Piece of work (Homework) Pupils given a percentage and formative feedback provided.</p> <p>End of topic test Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p> <p>Year 11 Assessment 2. Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p>	
How can parents help at home?		
<p>Ensure all class notes are complete, sheets are stuck in and homework submitted on time</p> <p>Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers.</p> <p>Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters.</p> <p>Ensure all pupils have all their resources required for science lessons, including booklets, pens and calculators</p>		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
<p>Reading AQA revision guides AQA revision cards Resources on Teams EDUCAKE online learning platform.</p>	<p>Vocabulary Lists</p> <ul style="list-style-type: none"> Variation Sexual Reproduction Dominant Evolution Asexual Reproduction Recessive Natural Selection Meiosis Heterozygous Selective Breeding DNA Homozygous 	<ul style="list-style-type: none"> Genetic Engineering Gene Genotype Fossils Genome Phenotype Extinction Mutation Cystic Fibrosis Binomial System Gametes Polydactyly Allele