



Subject	Year	Term
Biology	Year 11	2
Topic		
Unit 6 - Inheritance, Variation and Evolution		
Content (Intent)		
Prior Learning (Topic)	Unit 5 - Homeostasis	
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.		
Future Learning (Topic)	Revision and Exam Preparation	
What Knowledge and Skills will be taught (Implementation)		How will your understanding be assessed & recorded (Impact)
<b>Knowledge</b> <b>Inheritance, Variation and Evolution-</b> Sexual, asexual reproduction, Meiosis, DNA and the genome, Genetic inheritance and gender, Genetic disorders, Genetic engineering, protein Synthesis, Cloning, Variation, Selective breeding, Evolution, Evidence for Evolution – fossils (Extinction HW) Resistant bacteria, Classification of living organisms		<b>Key Piece of work (Homework)</b> 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. <b>End of topic test</b> Pupils given a percentage, formative feedback and GCSE equivalent grade. Formative feedback provided. <b>Year 11 end of term 1, 2 exams</b> Pupils given a percentage, formative feedback and GCSE equivalent grade.
<b>Maths Skills</b> – ratios, percentages.		<b>Interleaving Topics</b> <b>Unit 1 Cells and Unit 3 Infection and Response</b> – Key Terms and concepts will be reviewed prior to the start of the Unit 6 such as cell structure, mitosis, antibiotics.
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)		
<b>Reading</b> AQA revision guides AQA revision cards Resources on Teams EDUCAKE online learning platform. GCSE POD	<b>Vocabulary Lists</b> Variation Sexual Reproduction Dominant Evolution Asexual Reproduction Recessive Natural Selection Meiosis Heterozygous Selective Breeding DNA Homozygous	Genetic Engineering Gene Genotype Fossils Genome Phenotype Extinction Mutation Cystic Fibrosis Binomial System Gametes Polydactyly Allele