



Subject	Year	Term
Biology	Year 11	2
Topic		
Unit 6 - Inheritance, Variation and Evolution		
Content (Intent)		
<b>Prior Learning (Topic)</b>	Unit 5 - Homeostasis	
<b>Unit 6 Inheritance, Variation and Evolution</b> - 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.		
<b>Future Learning (Topic)</b>	Revision and Exam Preparation	
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><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, Variation, Selective breeding, Evolution, Evidence for Evolution – fossils (Extinction HW) Resistant bacteria, Classification of living organisms.</p> <p><b>Maths Skills</b> – ratios, percentages.</p>	<p><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.</p> <p><b>End of topic test</b>  Pupils given a percentage, formative feedback and GCSE equivalent grade. Formative feedback provided.</p> <p><b>Year 11 end of term 1, 2 exams</b>  Pupils given a percentage, formative feedback and GCSE equivalent grade.</p> <p><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.</p>	
How can parents help at home?		
<p>Ensure all class booklets are complete 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><b>Reading</b>  AQA revision guides  AQA revision cards  Resources on Teams  EDUCAKE online learning platform.  GCSE POD</p>	<p><b>Vocabulary Lists</b></p> <ul style="list-style-type: none"> <li>Variation</li> <li>Sexual Reproduction</li> <li>Dominant</li> <li>Evolution</li> <li>Asexual Reproduction</li> <li>Recessive</li> <li>Natural Selection</li> <li>Meiosis</li> <li>Heterozygous</li> <li>Selective Breeding</li> <li>DNA</li> <li>Homozygous</li> </ul>	<ul style="list-style-type: none"> <li>Genetic Engineering</li> <li>Gene</li> <li>Genotype</li> <li>Fossils</li> <li>Genome Phenotype</li> <li>Extinction</li> <li>Mutation</li> <li>Cystic Fibrosis</li> <li>Binomial System</li> <li>Gametes</li> <li>Polydactyly</li> <li>Allele</li> </ul>