

Subject	Year	Term
<b>Biology</b>	<b>10</b>	<b>3</b>
Topic		
<b>Unit 7 - Ecology</b>		
Content (Intent)		
<b>Prior Learning (Topic)</b> Unit 4 -Bioenergetics		
<p><b>Unit 7 Ecology</b> – Communities, Abiotic and Biotic factors, Adaptations, Levels of organisation (feeding relationships), Required Practical Transect, Predator prey cycle, Materials are cycled – the carbon cycle, water cycle, biodiversity and waste management, Land use and deforestation. Global warming, Maintaining Biodiversity.</p>		
<b>Future Learning (Topic)</b> Unit 5 - Homeostasis		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><b>Knowledge</b>  <b>Unit 7 Ecology</b> – Communities, Abiotic and Biotic factors, Adaptations, Levels of organisation (feeding relationships), Predator prey cycle, Materials are cycled –c cycle, Water cycle Biodiversity and waste management, Land use and deforestation. Global warming, Maintaining Biodiversity.</p> <p><b>Maths Skills</b> – data collection, % cover, mean calculations, graph drawing.</p> <p><b>Practical Skills</b> – Required practical activity Investigating abiotic factor and distribution of a plant species.</p> <p><b>Interleaving Topics</b>  <b>Y9 The Body, Health and Lifestyle and Unit 4 Bioenergetics</b>            – Key Terms and concepts will be reviewed prior to the start of this unit such as food molecules, the effect of temperature on enzymes, photosynthesis, aerobic/anaerobic respiration.</p>	<p><b>Key Piece of work (Homework)</b>            Pupils given a percentage and formative feedback provided.</p> <p><b>End of topic test</b>            Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p> <p><b>Year 11 Assessment 2</b>            Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p>	
How can parents help at home?		
<p>Ensure all class notes are completed, 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><b>Reading</b>            AQA revision guides            AQA revision cards            EDUCAKE online learning platform.            GCSE POD</p>	<p><b>Vocabulary Lists</b>            Food Chain            Food Web            Abiotic, Biotic            Ecosystem            Population            Community            Habitat            Predator            Prey            Adaptations</p>	<p>Competition            Respiration            Photosynthesis            Aerobic            Anaerobic            Biodiversity            Combustion            Greenhouse gases            Global warming            deforestation</p>