

Subject	Year	Term
Biology	13	1&2
Topic		
Evolution & Speciation		
Content (Intent)		
Prior Learning (Topic) Year 11 – B6. Year 12 – Cell Division & Genetic Diversity; Biodiversity & Classification.		
<ul style="list-style-type: none"> • What a population and species are • Concepts of gene pool and allele frequency • Hardy-Weinberg equation - revisited • Variation in populations and it's causes • Selection pressures as a driving force of natural selection • Process of natural selection and effect on allele frequency • Stabilising, disruptive and directional selection – RECAP FROM YEAR 12 • Effects of reproductive isolation on accumulation of differences in gene pools of populations. • Allopatric and sympatric speciation. 		
Future Learning (Topic): Future University study		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
Demos None in this topic Practical work None in this topic Written Class notes Past paper questions in class Past paper questions in homeworks	- 3 x assessed homeworks (Grade given. Written & verbal feedback. Response expected.) -1 x end of topic test (Grade given. Verbal feedback to class and individuals.)	
How can parents help at home?		
Look at the topic specific resources on the VLE Use appropriate youtube channels: cognito, freesciencelessons, Crash Course Biology. Encourage students to use the textbook issued. Take an interest! Ask your children what they have learnt and be curious about their learning.		
Helpful further reading/discussion		
Reading New Scientist	Vocabulary Lists <i>Population, species, gene pool, allele frequency,</i>	Careers Links Biological scientist Evolutionary biologist

Biological Science Review Magazine The Biologist Magazine – Royal Society of Biology Royal Society of Biology blog The Ancestors Tale – Richard Dawkins Science & Nature magazine	<i>selection pressure, natural selection, reproductive isolation, allopatric speciation, sympatric speciation.</i>	Geneticist Ecologist
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