Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section E19: Natural Selection and Evolution** |
| Specification | Resources | Assessment |
| 3.29 understand that mutation is a rare, random change in genetic material that can be inherited 3.30 describe the process of evolution by means of natural selection 3.31 understand that many mutations are harmful but some are neutral and a few are beneficial 3.32 understand that resistance to antibiotics can increase in bacterial populations, and appreciate how such an increase can lead to infections being difficult to control 3.33 understand that the incidence of mutations can be increased by exposure to ionising radiation (for example gamma rays, X-rays and ultraviolet rays) and some chemical mutagens (for example chemicals in tobacco). | Video: Biology – Section 3 – Lesson 5 – Natural Selection and EvolutionPowerpoint: Biology - Section 3 – Lesson 5Textbook: Ch.19 - page 208 to 217Page 208 – The work of Charles DarwinPage 210 - Evidence for natural selectionPage 215 – Natural selection and the formation of new speciesPage 215 – The course of evolutionChapter 19 – Natural Selection and Evolution - Student checklist.docDVD Revision check list | TextbookPage 217 – Questions 1 to 5Textbook Answers (PDF)DVD Multiple choice testSection E19 - exam question - pdfSection E19 - exam question mark scheme – pdfTalking paper video – Section E19 – Natural Selection and Evolution |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Biology Student Book - Pearson (Bradfield and Potter)

DVD Video Clips – see resource DVD in textbook.