Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section C13: Reproduction in Plants** |
| Specification | Resources | Assessment |
| 3.1 understand the differences between sexual and asexual reproduction3.2 understand that fertilisation involves the fusion of a male and female gamete to produce a zygote that undergoes cell division and develops into an embryo3.3 describe the structures of an insect-pollinated and a wind-pollinated flower and explain how each is adapted for pollination 3.4 understand that the growth of the pollen tube followed by fertilisation leads to seed and fruit formation 3.5 understand the conditions needed for seed germination 3.6 understand how germinating seeds utilise food reserves until the seedling can carry out photosynthesis 3.7 understand that plants can reproduce asexually by natural methods (illustrated by runners) and by artificial methods (illustrated by cuttings) | Video: Biology - Section 3 – Lesson 1 – Reproduction – Flowering PlantsPowerpoint: Biology – Section 3 – Lesson 1 – Reproduction in Flowering PlantsTextbook: Ch.13 Reproduction in plantsPage 143 – Sexual and asexual reproductionPage 143 – Asexual reproduction in plantsPage 144 – Sexual reproduction in plantsPage 147 – GerminationPage 148 – End of Chapter ChecklistChapter 13 Reproduction in Plants - Student checklist.docDVD Revision check list<http://biology-igcse.weebly.com/pollination.html><http://biology-igcse.weebly.com/flower-structure.html><http://biology-igcse.weebly.com/-formation-of-seed.html><http://biology-igcse.weebly.com/-seed-dispersal.html><http://biology-igcse.weebly.com/-self-pollination-cross-pollination.html><http://biology-igcse.weebly.com/growth-and-development.html> | TextbookPage 148–149; Questions 1 to 6Textbook Answers (PDF)Page 150-151; End of Section C Questions 1 to 5Textbook End of Section C Answers (PDF)DVD Multiple choice testSection C13 – Reproduction in Plants - exam question - pdfSection C13 – Reproduction in Plants - exam question mark scheme – pdfTalking paper video – Section C13 – Reproduction in Plants  |

Videos – www.igcsesciencecourses.com

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

DVD Video Clips – see resource DVD in textbook.