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 reproduction  3.2 understand that fertilisation involves the fusion of a male and female gamete to produce a zygote that undergoes cell division and develops into an embryo  3.3 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 Plants  Powerpoint: Biology – Section 3 – Lesson 1 – Reproduction in Flowering Plants  Textbook: Ch.13 Reproduction in plants  Page 143 – Sexual and asexual reproduction  Page 143 – Asexual reproduction in plants  Page 144 – Sexual reproduction in plants  Page 147 – Germination  Page 148 – End of Chapter Checklist  Chapter 13 Reproduction in Plants - Student checklist.doc  DVD 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> | Textbook  Page 148–149; Questions 1 to 6  Textbook Answers (PDF)  Page 150-151; End of Section C Questions 1 to 5  Textbook End of Section C Answers (PDF)  DVD Multiple choice test  Section C13 – Reproduction in Plants - exam question - pdf  Section C13 – Reproduction in Plants - exam question mark scheme – pdf  Talking 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.