Edexcel International GCSE Biology 4BI1 Learning Plan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Unit: 3. Plant Physiology** | | **Chapter: 13. Reproduction in Plants** | | **Hours: 4** |
| Content coverage | Learning outcomes | Resources | Assessment | |
| **Section 3: Reproduction and inheritance**  **a)** Reproduction | 3.1 understand the differences between sexual and asexual reproduction  **3.3** describe the structures of an insect-pollinated and a wind-pollinated flower and explain how each is adapted for pollination.  **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** *practical: investigate 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 pages:  174 – Sexual and asexual reproduction  174 – Asexual reproduction in plants  175 – Sexual reproduction in plants  178 – Germination | Page 179 – 181 Qs. 1-10  Unit Questions Pages 182 – 185 Qs. 1 to 6  Textbook Answers (PDF)  Chapter 13 - exam question - pdf  Chapter 13 - exam question mark scheme – pdf  Chapter 13 - Talking paper video | |

Videos – [www.igcsesciencecourses.com](http://www.igcsesciencecourses.com)

Textbook Ref: Edexcel International GCSE (9-1) Biology Student Book - Pearson (Bradfield and Potter)