Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section C12: Chemical Coordination in Plants** |
| Specification | Resources | Assessment |
| 2.80 understand that plants respond to stimuli 2.81 describe the geotropic responses of roots and stems 2.82 describe positive phototropism of stemsUnderstand how phototropic responses in stems are the result of differential growth caused by auxinRecall controlled experiments to demonstrate phototropic and geotropic plant growth responses | Video: Biology – Section 2 – Lesson 7 – Coordination and Response – 07:30 to 16:30Powerpoint: Biology Section 2 – Lesson 7 – slides 25 to 46Textbook: Ch.12: Chemical Coordination in PlantsPage 135 TropismsPage 136 Detecting the light stimulus – plant hormonesPage 138 - Plant hormones and geotropismPage 141 - ClinostatsPage 142 End of Chapter ChecklistChapter 12 Chemical Coordination in Plants - Student checklist.docDVD Revision check list<http://biology-igcse.weebly.com/tropism-in-plants.html><http://biology-igcse.weebly.com/auxins.html>  | TextbookPage 142 Questions 1 to 3Ch.12 Textbook Answers (PDF)DVD Multiple choice testSection C12 - exam question - pdfSection C12 - exam question mark scheme – pdfTalking paper video – Section C12 Chemical Coordination 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.