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 stems  Understand how phototropic responses in stems are the result of differential growth caused by auxin  Recall controlled experiments to demonstrate phototropic and geotropic plant growth responses | Video: Biology – Section 2 – Lesson 7 – Coordination and Response – 07:30 to 16:30  Powerpoint: Biology Section 2 – Lesson 7 – slides 25 to 46  Textbook: Ch.12: Chemical Coordination in Plants  Page 135 Tropisms  Page 136 Detecting the light stimulus – plant hormones  Page 138 - Plant hormones and geotropism  Page 141 - Clinostats  Page 142 End of Chapter Checklist  Chapter 12 Chemical Coordination in Plants - Student checklist.doc  DVD Revision check list  <http://biology-igcse.weebly.com/tropism-in-plants.html>  <http://biology-igcse.weebly.com/auxins.html> | Textbook  Page 142 Questions 1 to 3  Ch.12 Textbook Answers (PDF)  DVD Multiple choice test  Section C12 - exam question - pdf  Section C12 - exam question mark scheme – pdf  Talking 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.