Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section B6: Coordination** |
| Specification | Resources | Assessment |
| 2.77 understand that organisms are able to respond to changes in their environment2.79 understand that a coordinated response requires a stimulus, a receptor and an effector2.83 describe how responses can be controlled by nervous or by hormonal communication and understand the differences between the two systems2.84 understand that the central nervous system consists of the brain and spinal cord and is linked to sense organs by nerves2.85 understand that stimulation of receptors in the sense organs sends electrical impulses along nerves into and out of the central nervous system, resulting in rapid responses2.86 describe the structure and functioning of a simple reflex arc illustrated by the withdrawal of a finger from a hot object2.87 describe the structure and function of the eye as a receptor2.88 understand the function of the eye in focusing near and distant objects, and in responding to changes in light intensityUnderstand the functions of different parts of the brainDescribe, in outline, the structure and function of a synapse | Video: Biology Section 2 Lesson 8 – Nerves and SensesPowerpoint: Biology Section 2 Lesson 8 – nerves and SensesTextbook:Page 65 Chapter 6: CoordinationPage 65 – Stimulus and responsePage 66 – The Central Nervous SystemPage 68 – The EyePage 72 – Reflex actionsPage 74 – The brainPage 76 – Chapter 6 ChecklistEdexcel iGCSE Biology Checklist Section B6.docDVD Revision check list<http://biology-igcse.weebly.com/summary10.html><http://biology-igcse.weebly.com/human-nervous-system.html><http://biology-igcse.weebly.com/-simple-reflex-arc.html><http://biology-igcse.weebly.com/-voluntary-involuntary-actions.html><http://biology-igcse.weebly.com/the-eye-rods-and-cones.html><http://biology-igcse.weebly.com/-accommodation.html> | TextbookPage 76 - 77Textbook Answers (PDF)DVD Multiple choice testSection B6 Coordination - exam question - pdfSection B6 Coordination - exam question mark scheme – pdfTalking paper video – Section B6 Coordination  |

Videos – www.igcsesciencecourses.com

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

DVD Video Clips – see resource DVD in textbook.