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 environment  2.79 understand that a coordinated response requires a stimulus, a receptor and an effector  2.83 describe how responses can be controlled by nervous or by hormonal communication and understand the differences between the two systems  2.84 understand that the central nervous system consists of the brain and spinal cord and is linked to sense organs by nerves  2.85 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 responses  2.86 describe the structure and functioning of a simple reflex arc illustrated by the withdrawal of a finger from a hot object  2.87 describe the structure and function of the eye as a receptor  2.88 understand the function of the eye in focusing near and distant objects, and in responding to changes in light intensity  Understand the functions of different parts of the brain  Describe, in outline, the structure and function of a synapse | Video: Biology Section 2 Lesson 8 – Nerves and Senses  Powerpoint: Biology Section 2 Lesson 8 – nerves and Senses  Textbook:  Page 65 Chapter 6: Coordination  Page 65 – Stimulus and response  Page 66 – The Central Nervous System  Page 68 – The Eye  Page 72 – Reflex actions  Page 74 – The brain  Page 76 – Chapter 6 Checklist  Edexcel iGCSE Biology Checklist Section B6.doc  DVD 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> | Textbook  Page 76 - 77  Textbook Answers (PDF)  DVD Multiple choice test  Section B6 Coordination - exam question - pdf  Section B6 Coordination - exam question mark scheme – pdf  Talking 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.