Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section A1: Life processes** | | |
| Specification | Resources | Assessment |
| 1.1 Understand that living organisms share the following characteristics:  – they require nutrition  – they respire  – they excrete their waste  – they respond to their surroundings  – they move  – they control their internal conditions  – they reproduce  – they grow and develop.  2.2 Describe cell structures, including the nucleus, cytoplasm, cell membrane, cell wall, chloroplast and vacuole  2.3 describe the functions of the nucleus, cytoplasm, cell membrane, cell wall, chloroplast and vacuole  2.4 compare the structures of plant and animal cells. | Video: Section 1 Lesson 1: Characteristics of Living Organisms.  Video: Section 2 Lesson 1: Levels of Organisation, the Cell and Particle Movement.  Powerpoint: Section 1 Lesson 1: Characteristics of Living Organisms.  Powerpoint: Section 2 Lesson 1: Levels of Organisation, the Cell and Particle Movement  Textbook:  Page 1 – Cell structure  Page 3 – Enzymes: controlling reactions in the cell  Page 6 - How the cell gets its energy  Page 9 - Cell membranes and diffusion  Page 11 - Cell division  <http://biology-igcse.weebly.com/characteristics-of-living-organisms.html>  <http://biology-igcse.weebly.com/structure.html>  <http://biology-igcse.weebly.com/functions.html>  DVD Revision check list | Textbook  Page 14 - 15 End of chapter questions  Section A1 - Textbook Answers (PDF)  DVD Multiple choice test  Section A1 exam question - pdf  Section A1 exam question mark scheme – pdf  Talking paper video – Section A1 Life processes |

Videos – www.igcsesciencecourses.com

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

DVD Video Clips – see resource DVD in textbook.