# Sample Scope and Sequence: Biology – Year 11

***Sample for implementation for Year 11 from 2018***

The following model illustrates a single 15 hour depth study that includes content from Module 1 and Module 2.

| **Term 1** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
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| **Module 1: Cells as the Basis of Life**  Students investigate biochemical processes of photosynthesis and respiration, the way substances move into and out of cells and how the structure of organelles, cells and tissues affect the functioning or organisms. | | | | | | **Module 2: Organisation of Living Things**  Students examine the relationship between transport systems in living things and compare nutrient and gas requirements. | | | |
| BIO11/12-3, BIO11/12-4, BIO11-8 | | | | | | BIO11/12-4, BIO11/12-6, BIO11/12-7, BIO11-9 | | | |

| **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
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| **Module 2: Organisation of Living Things** | | **Depth Study:** 15 hours  Microorganisms and macroorganisms in water | | | | **Module 3: A Trip to Galapagos**  In this contextualised unit, students analyse data gathered by Darwin on his voyage to the Galapagos | | | |
|  | | BIO11/12-1, BIO11/12-2, BIO11/12-3, BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO11/12-7, BIO11-8, BIO11-9 | | | | BIO11/12-1, BIO11/12-2, BIO11/12-4, BIO11/12-5, BIO11/12-6,BIO11/12-7, BIO11-10 | | | |

| **Term 3** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
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| **Module 3: A Trip to Galapagos** | | | | **Module 4: Ecosystem Dynamics**  Students engage in the study of past ecosystems and create models of possible future ecosystems so that human impact on biodiversity can be minimised. | | | | | |
|  | | | | BIO11/12-1, BIO11/12-2, BIO11/12-3, BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO11/12-7*,* BIO11-11 | | | | | |