# Sample Scope and Sequence: Biology – Year 11

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

The following model illustrates the inclusion of a:

* 5 hour depth study in Module 1
* 10 hour depth study in Module 3

| **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 examine the structure and function of organisms at both the cellular and tissue levels and investigate the biochemical processes of photosynthesis and respiration. | **Module 2** |
| **Depth Study 1**: 5 hours – commencing in Week 2. |  |
| BIO11/12-1, BIO11/12-3, BIO11/12-4, BIO 11/12-7, BIO11-8 |  |

| **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** Students examine the structure and function of transport systems in living things and compare their nutrient and gas requirements. | **Module 3: A Trip to Galapagos** Students investigate the Theory of Evolution by Natural Selection and the effect of various selective pressures, focussing on species found on the Galapagos Islands.  |
|  | **Depth Study 2:** 10 hours |
| BIO11/12-1 BIO11/12-2 BIO11/12-3, BIO11/12-4, BIO11/12-6, BIO11/12-7, 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**Students investigate types of adaptations, the process of natural selection and the evidence for evolution, using Galapagos species as examples. | **Module 4: Ecosystem Dynamics** Students investigate past and present ecosystems to determine how the 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, BIO11-8, BIO11-9, BIO11-10, BIO11-11 |