# Sample Scope and Sequence: Biology – Year 12

***Sample for implementation for Year 12 from Term 4, 2018***

| **Term 4** | **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 5: Heredity**  Students investigate reproduction and inheritance patterns in plants and animals. They investigate the role of DNA in polypeptide synthesis and the uses of technologies in the study of inheritance patterns. | | | | | | | | | |
| BIO11/12-3,BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO11/12-7, BIO12-12 | | | | | | | | | |

| **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 6: Genetic Change**  Students investigate genetic change, including mutations, environmental pressure and uses of biotechnology. They investigate how the processes of inheritance and evolution are applied.  **Depth Study 1:** 10 hours | | | | | | | | | |
| BIO11/12-1, BIO11/12-4, BIO11/12-6, BIO11/12-7, BIO12-13 | | | | | | | | | |

| **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 7: Infectious disease**  Students examine the treatment, prevention and control of infectious diseases. They investigate the role of the human immune system and its response to infection. | | | | | | | | | |
| BIO11/12-1, BIO11/12-2, BIO11/12-3, BIO11/12-4, BIO12-14 | | | | | | | | | |

| **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 8: Non-infectious Diseases and Disorders**  Students investigate non-infectious diseases and disorders including their causes and effects on human health. They examine technologies and their uses in treating disease and disorders as well as the epidemiology of non-infectious disease in populations.  **Depth Study 2:** 5 hours | | | | | | | | | |
| BIO11/12-1, BIO11/12-2, BIO11/12-3, BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO11/12-7, BIO12-12, BIO12-13, BIO12-14, BIO12-15 | | | | | | | | | |