# Sample Scope and Sequence: Earth and Environmental Science – Year 12

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

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| **Term 4** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 5: Earth’s Processes**  Students investigate the evidence for changes that have occurred in the geosphere, atmosphere, hydrosphere and biosphere | | | | | | | | | |
| EES11/12-4, EES11/12-5, EES11/12-6, EES11/12-7, EES12-12 | | | | | | | | | |

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| **Term 1** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 6: Hazards**  Students explore the use, development and analysis of seismic data in order to examine significant seismic events and consider whether we as humans have the capacity to disaster-proof the planet.  **Depth study 1 (10 hours) integrated within Module 6** | | | | | | | | | |
| EES11/12-1, EES11/12-2, EES11/12-3, EES11/12-4, EES11/12-5, EES11/12-6, EES11/12-7, EES12-13 | | | | | | | | | |

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| **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 7: Climate Science**  Students examine the mechanisms and scientific evidence for climate variation. They distinguish between evidence of natural processes and scientific evidence of anthropogenic influences, which both cause the Earth's climate to change.  **Depth study 2 (5 hours) integrated within Module 7** | | | | | | | | | |
| EES11/12-1, EES11/12-5, EES11/12-6, EES11/12-7, EES12-14 | | | | | | | | | |

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| **Term 3** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 8: Resource Management**  Students examine how the extraction and disposal of waste can greatly impact on the surrounding environment, affecting the quality and availability of renewable resources such as water and living organisms. | | | | | | | | | |
| EES11/12-1, EES11/12-2, EES11/12-4, EES11/12-5, EES11/12-6, EES11/12-7, EES11-12, EES11-13, EES11-14, EES11-15 | | | | | | | | | |