# Sample Scope and Sequence: Earth and Environmental Science – Year 11

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Term 1** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 1: Earth’s resources**Students investigate the fundamentals of Geology (rocks and minerals) as well as some of the guiding principles of Geology. They will describe the key features of the Earth’s systems, including the geosphere, atmosphere, hydrosphere and biosphere and explain how they are interrelated. | **Module 2: Plate Tectonics** |
| **Depth Study:** 15 hours –Fieldwork and report |  |
| EES11/12-1, EES11/12-3, EES11/12-4, EES11/12-5, EES11-7, EES11-8 |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 2: Plate Tectonics** Students investigate the evidence for the theory of plate tectonics and how movements in the Earth’s crust can be monitored and used to predict Earth events. | **Module 3: Energy Transformations**Students investigate the energy transformations that move tectonic plates and those that occur between the atmosphere, oceans and land that generate weather and climate phenomena. |
| ESS11/12-1, ESS11/12-2, ESS11/12-3, ESS11/12-4, ESS11/12-5, ESS11-9 | ESS11/12-5, ESS11/12-6, ESS11/12-7, ESS11-10 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Term 3** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 3: Energy Transformations**  | **Module 4: Human Impacts**Students investigate the effects of humans on the Earth’s resources and environment and how these effects can be mitigated to maintain a sustainable future. |
|  | ESS11/12-1, ESS11/12-2, ESS11/12-3, ESS11-11 |