# Sample Scope and Sequence: Physics – 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** |
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| **Module 1: Kinematics** Students are introduced to the characteristics, measurement and analysis of motion. | **Depth Study 1 (5 hours)**Individual depth study developed in Module 1. | **Module 2: Dynamics** Students investigate forces on objects and the results of forces in systems.  |
| PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-6, PH11-8 | PH11/12-1 to PH11/12-7, PH11-8 | PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-6, PH11-9 |

| **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: Dynamics** Students investigate forces on objects and the results of forces in systems. | **Depth Study 2 (5 hours)**Individual depth study developed in Module 2. | **Module 3: Waves and Thermodynamics** Students examine wave characteristics and behaviour. They also investigate the subsequent movement of energy and its modes of behaviour. |
| PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-6, PH11-9 | PH11/12-1 to PH11/12-7, PH11-9 | PH11/12-3, PH11/12-4, PH11/12-6, PH11/12-7, PH11-10 |

| **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: Waves and Thermodynamics**Students investigate wave characteristics and behaviour. They also investigate the subsequent movement of energy and its modes of behaviour. | **Depth Study 3 (5 hours)** Individual depth study developed from Module 3. | **Module 4: Electricity and Magnetism**Students investigate the characteristics and features of charges and associated fields. They then examine the applications of flowing charges and subsequent magnetic phenomena. |
| PH11/12-3, PH11/12-4, PH11/12-6, PH11/12-7, PH11-10 | PH11/12-1 to PH11/12-7, PH11-10 | PH11/12-1, PH11/12-5, PH11/12-7, PH11-11 |