#  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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module 1: Kinematics**Students investigate the characteristics, measurement and analysis of motion. | **Module 2: Dynamics** Students examine the 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 | PH11/12-2, 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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module 2: Dynamics**Students examine the forces on objects and the results of forces in systems.**Depth Study (3 hours)** | **Depth Study (9 hours)**Kinematics and Dynamics. | **Module 3: Waves and Thermodynamics** Students investigate wave characteristics and behaviour. They also examine the subsequent movement of energy and its modes of behaviour.**Depth Study (3 hours)** |
| PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-6, PH11-9 | PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-7, PH11-8, 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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module 3: Waves and Thermodynamics** | **Module 4: Electricity and Magnetism** Students investigate the characteristics and features of charges and associated fields. They are then introduced to 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, PH11/12-5, PH11/12-7, PH11-11 |