# 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 are introduced to the characteristics, measurement and analysis of motion. | **Module 2: Dynamics**  |
| Depth Study 1 (5 hours) allocated to developing skills in practical investigations |  |
| 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 are introduced to forces on objects and the results of forces in systems. | **Module 3: Waves and Thermodynamics** Students are introduced to wave characteristics and behaviour. Students also study subsequent movement of energy and its modes of behaviour. |
|  | Depth Study 2 (5 hours) |
| PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-6, 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** Students are introduced to wave characteristics and behaviour. Students also study subsequent movement of energy and its modes of behaviour. | **Module 4: Electricity and Magnetism** Students are introduced to characteristics and features of charges and associated fields. They are then introduced to applications of flowing charges and subsequent magnetic phenomena. |
|  | Depth Study 3 (5 hours) |
| 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 |