



| Term | Week | YEAR 11 PRELIMINARY PHYSICS – 2025 SCOPE & SEQUENCE |
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| 1 | 1 | Module 1 – Kinematics (30 hours) |
| | 2 | Outcomes PH11/12-1, 2, 3, 4, 5, 6, 7, PH11-8 |
| | 3 | Motion in a straight line |
| | 4 | Acceleration on a straight line |
| | 5 | Motion on a plane |
| | 6 | Distance and displacement in a plane |
| | 7 | Relative motion on a plane |
| | 8 | Vector analysis |
| | 9 | Major Assessment: Practical Report/Depth study |
| | 10 | Module 2 - (30 hours) |
| 2 | 1 | Outcomes PH11/12-2, 4, 6, PH11-9 |
| | 1 | Forces |
| | 2 | Net force in one and two dimensions |
| | 3 | Forces, acceleration and energy |
| | 4 | Acceleration of an object subject to a constant net force |
| | 5 | Momentum, energy and simple systems |
| | 6 | No major assessment |
| | 7 | Module 3 – Waves and Thermodynamics (30 hours) |
| | 8 | Outcomes: PH11/12-3, 4, 6, 7, PH11-10 |
| 9 | Wave characteristics | |
| 3 | 10 | Wave behaviour |
| | 1 | Sound waves |
| | 2 | Ray model of light |
| | 3 | Thermodynamics |
| | 4 | Major Assessment: Depth study |
| | 5 | Module 4 – Electricity and magnetism (30 hours) |
| | 6 | Outcomes: PH11/12-1, 5, 7, PH11-11 |
| | 7 | Electrostatics |
| | 8 | Electric circuits |
| | 9 | Magnetism |
| 10 | Major Assessment End of Preliminary course exam | |
| 4 | HSC Course starts in Term 4 of Year 11. | |