

description of the unit (row 2); identifies the syllabus outcomes (row 3) and the course requirements (row 4).

+ | > Term 1 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9
| Week 10 | +-----

+ || **Module 6: Electromagnetism | Module 7: The Nature of Light** ||||| Students investigate the interactions that take place between charged particles and electric/magnetic fields, including their application in electricity production and their uses in motors. ||| + -----

+-----
+ || 5 hours of Depth Study ||| +-----

+ | | PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH11/12-7, PH12-13 | PH11/12-1,
PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-7, PH12-14 | +=====

: Sample Scope and Sequence tableSample Scope and Sequence table showing the duration in weeks of the units taught in Term 3 (row1). The table shows the topic name, unit name, hours and a short description of the unit (row 2); identifies the syllabus outcomes (row 3) and the course requirements (row 4).

+ | > **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9**

| **Week 10** | | +-----

+

+

+

+

+

+

+

+

+ || **Module 7: The Nature of Light | Module 8: From the Universe to the Atom** || || || | Students investigate theories of light and the significant and profound modifications as a result of the quantum theory. The properties of light and their consequences are explored in relativity and applications of the quantum theory. | Students explore the theories of the probable origins of the universe and the machinations of its components. || +-----

+

+ || 5 hours of Depth Study || | +-----

+

+ | | PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-7, PH12-14 | PH11/12-5, PH11/12-6, PH11/12-7, PH12-15 | +=====

: Sample Scope and Sequence tableSample Scope and Sequence table showing the duration in weeks of the units taught in Term 3 (row1). The table shows the topic name, unit name, hours and a short description of the unit (row 2); identifies the syllabus outcomes (row 3) and the course requirements (row 4).

+

+

+

+

+

+

+

+

+

+

+ | > **Term 3** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9**

| **Week 10** | | +-----

+

+

+

+

+

+

+

+ || **Module 8: From the Universe to the Atom** || || || | This is then explored in the context of the

smallest units of matter and the theories underpinning our understanding of physics at the smallest scales. || +-----

+ | | PH11/12-1, PH11/12-5, PH11/12-6, PH11/12-7, PH12-15 | | +

+ | 5 hours of Depth Study | +=====

: Sample Scope and Sequence tableSample Scope and Sequence table showing the duration in weeks of the units taught in Term 3 (row1). The table shows the topic name, unit name, hours and a short description of the unit (row 2); identifies the syllabus outcomes (row 3) and the course requirements (row 4).