

Sample Scope and Sequence: Physics – Year 12

NSW HSC Physics Stage 6

NSW Education Standards Authority

2026-01-06

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Sample Scope and Sequence: Physics – Year 12 1

Sample Scope and Sequence: Physics – Year 12

Sample for implementation for Year 12 from Term 4, 2018

[illegible]

: 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).

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+ | > **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 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. | | +-----

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

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+ | > **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 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. | | +-----

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

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+ | | 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 | +=====

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+ | > **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 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 | +=====

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