AS Level Physics H157

**Both components assess content from modules 1 to 4.**

Foundations of physics (Component 01) 1h 30m 50%

**Section A** contains multiple choice questions. 20 marks

**Section B** includes short answer questions. ~ 20 marks

**Section C** includes longer structured short answer questions. ~ 30 marks

Physics in depth (Component 02) 1h 30m 50%

**Section A** includes short answer question styles ~ 25 marks.

**Section B** includes short answer and extended response questions. ~ 30 marks

**Section C** a longer structured question focusing on practical skills. ~ 15 marks

A Level Physics H557

**Module 1 – Development of practical skills in physics**

Practical skills assessed in a written examination and in practical endorsement

**Module 2 – Fundamental data analysis**

Fundamental, experimental and analytical skills

**Module 3 – Physics in action**

Imaging and signalling, Sensing, Mechanical properties of materials

**Module 4 – Understanding processes**

Waves and quantum behaviour, Space, time and motion

**Module 5 – Rise and fall of the clockwork universe**

Creating models, Out into space, Our place in the universe, Matter: very simple, Matter: hot or cold

**Module 6 – Field and particle physics**

Electromagnetism, Charge and field, Probing deep into matter, Ionising radiation and risk.

**All papers examine all six modules**

Fundamentals of physics (Component 01) 2h 15m 41%

**Section A** contains multiple choice questions. 30 marks

**Section B** includes short answer questions. ~ 20 marks

**Section C** includes short answer and extended response questions. ~ 60 marks

Scientific literacy in physics (Component 02) 2h 15m 37%

This component includes an Advance Notice article.

**Section A** includes short answer question styles ~ 30 marks.

**Section B** includes short answer and extended response questions. ~ 45 marks

**Section C** includes short and extended questions based on Advance Notice. ~ 25 marks.

Practical skills in physics (Component 03) 1h 30m 22%

Has a particular emphasis on practical skills.

**Section A** includes short answer question styles ~ 40 marks.

**Section B** a longer structured question focusing on data analysis. ~ 20 marks.

Practical endorsement in physics (Component 04)

Performance in this component is reported separately to the A level. This assessment rewards the development of practical competency for physics and is teacher assessed. A minimum of 12 assessed experiments must be completed

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|  | H157/01 | | H157/02 | | H557/01 | | H557/02 | | H557/03 | |
|  | marks | **mins** | marks | **mins** | marks | **mins** | marks | **mins** | marks | mins |
| Total | 70 | **90** | 70 | **90** | 100 | **135** | 100 | **135** | 60 | **90** |
| Sec A | 20 | **25** | 25 | **30** | 30 | **40** | 30 | **40** | 40 | **60** |
| Sec B | 20 | **25** | 30 | **40** | 20 | **25** | 45 | **60** | 20 | **30** |
| Sec C | 30 | **40** | 15 | **20** | 60 | **70** | 25 | **35** |  |  |