

## **AQA A level Physics:7404**

### **A level Physics: Subject Content**

#### **Core Content**

1. Measurements and their errors (page 10)
2. Particles and radiation (page 12)
3. Waves (page 17)
4. Mechanics and materials (page 21)
5. Electricity (page 27)
6. Further mechanics and thermal physics (A-level only) (page 30)
7. Fields and their consequences (A-level only) (page 34)
8. Nuclear physics (A-level only) (page 41)

#### **Options**

9. Astrophysics (A-level only) (page 45)
10. Medical physics (A-level only) (page 49)
11. Engineering physics (A-level only) (page 54)
12. Turning points in physics (A-level only) (page 58)
13. Electronics (A-level only) (page 62)

### **AS level Physics: How it's assessed**

#### **Paper 1**

##### **What's assessed?**

- Sections 1 – 5

##### **How it's assessed**

- Written exam: 1 hour 30 minutes
- 70 marks
- 50% of AS

##### **Questions**

- 70 marks of short and long answer questions split by topic.

#### **Paper 2**

##### **What's assessed?**

- Sections 1 – 5

##### **How it's assessed**

- Written exam: 1 hour 30 minutes
- 70 marks
- 50% of AS

##### **Questions**

- Section A: 20 marks of short and long answer questions on practical skills and data analysis
- Section B: 20 marks of short and long answer questions from across all areas of AS content

- Section C: 30 multiple choice questions

### **A level Physics: How it's assessed**

#### **Paper 1**

##### **What's assessed?**

- Sections 1 – 5 and 6.1 (Periodic motion)

##### **How it's assessed**

- Written exam: 2 hours
- 85 marks
- 34% of A-level

##### **Questions**

- 60 marks of short and long answer questions and 25 multiple choice questions on content.

#### **Paper 2**

##### **What's assessed?**

- Sections 6.2 (Thermal Physics), 7 and 8 Assumed knowledge from sections 1 to 6.1

##### **How it's assessed**

- Written exam: 2 hours
- 85 marks
- 34% of A-level

##### **Questions**

60 marks of short and long answer questions and 25 multiple choice questions on content.

#### **Paper 3**

##### **What's assessed?**

- Section A: Compulsory section: Practical skills and data analysis
- Section B: Students enter for one of sections 9, 10, 11, 12 or 13

##### **How it's assessed**

- Written exam: 2 hours
- 80 marks
- 32% of A-level

##### **Questions**

- 45 marks of short and long answer questions on practical experiments and data analysis.
- 35 marks of short and long answer questions on optional topic.