

## PHYSICS

ACCREDITING AUTHORITY | AQA

### **COURSE LEVEL 3** | A Level

#### **WHAT IS PHYSICS?**

Physics is known as the fundamental science and creates a foundation for the other natural sciences. To know Physics is to understand how the world around us works. The behaviour of the largest celestial bodies to the smallest sub atomic particles can all be explained with knowledge of the subject. Physics also develops many transferable skills that can be called upon in either further education or the workplace. Chief among these are planning, problem solving and evaluating. Explore your potential and study Physics.

#### **METHOD OF ASSESSMENT**

##### **Physics 4407/7408**

AS Physics – has 2 x 1hr30 min papers (50% each) plus 6 required practical's.

Topics studied include:

Measurements and their errors, Particles and radiation, Waves, Mechanics and energy, Electricity.

A2 Physics – has 2 x 2hr exams (35% each) plus 1 x 2hr exam (30%) plus 12 required practical's.

Topics studied include:

All AS topics plus Further mechanics and Thermal physics, Fields, Nuclear physics and Turning points in physics.

#### **ENTRY REQUIREMENTS**

Minimum of a 7 and 6 in GCSE Science (or included in triple science grades), plus a 6 in GCSE Mathematics and a 6 in GCSE English

#### **FUTURE PROSPECTS**

Career prospects for Physics graduates are very good. The skills developed by studying the subject set you up well for research-based roles and positions in other sciences. They are also useful for careers in business, finance, IT and engineering. Jobs which would directly relate to a physics degree include geophysicist, medical physicist, radiation protection officer, meteorologist and research scientist.

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