

# Physics

**AQA 7408**

**A Level**

## **Aims**

The A level course focuses largely on the development of laws, theories and models of Physics, including in-depth explorations of practical applications. The course builds on prior knowledge from GCSE Combined Science, and Triple Science GCSE Physics.

## **Why**

If you enjoy solving problems with logic, have a high mathematical ability, and have the skill and inclination to explain the world around you, then you will enjoy Physics.

## **Content**

Paper 1: Measurements and their errors\*, Particles and radiation\*, Waves\*, Mechanics and materials\*, Electricity\*, Periodic motion

Paper 2 : Thermal physics, Fields and their consequences, Nuclear physics

Paper 3: General and Practical Principles in Physics: Practical skills and data analysis\* + short and long answer questions on an optional topic which is likely to be Engineering Physics.

\*AS Physics consists of two 90 minute papers made up of the topics starred above

## **Assessment**

AS level will not be sat at Paddington, but you will study the starred topics above in year 12 and be finished by Easter.

A level grade depends solely on your performance in the A level papers sat at the end of the course in year 13.

Paper 1 - 120 minute exam worth 34%

Paper 2 - 120 minute exam worth 34%

Paper 3 - 120 minute exam worth 32%

Teachers: Mr Conduct and Miss White