IGCSE Physics

Why study Physics?

You will develop a logical approach to problem-solving and you will learn how physics affects the world. You will also learn to apply your mathematical skills to problems and understand the scientific method.

Physics is fundamental to the way the world is understood and has led to many great inventions from the internet to MRI machines.

What will I study?

The subject is broken up into eight areas:

1. Electricity
2. Forces and motion
3. Waves
4. Solids, liquids and gases
5. Energy resources and transfer
6. Radioactivity
7. Magnetism
8. Astronomy.

Each subject develops a different set of skills and is gradually built up from the fundamental principles to the harder concepts throughout the course.

In addition, there will be many practical experiments from which you will develop knowledge and understanding of experimental skills through the context of the physics you will be learning.

ASSESSMENT

Physics IGCSE is a linear qualification with two written exam papers taken in the summer of Year 11, experimental skills are assessed as part of the written examinations:

Paper 1:
(61%) 2 hours

Paper 2:
(39%) 1 hr 15 mins

Both papers include a mixture of different question styles, including short-answer questions, calculations, practical based questions and extended open-response questions.

How will Physics benefit me?

You will obtain an IGCSE which shows that you are capable of applying scientific terms and ideas which are qualities that are greatly sought after by employers; an IGCSE in physics can be the starting point for a career in architecture, engineering, accountancy and a host of other areas.

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