

# PHYSICS

at SCGSG

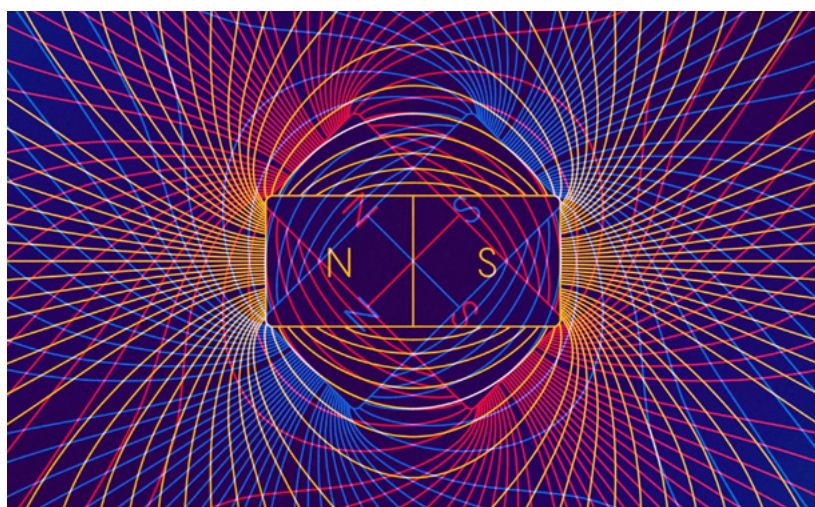
**Head of Department:**

Miss B. Thomson

**AQA - Specification 8463**

## What is Physics?

You will be taught four lessons of Physics a fortnight in Years 10 and 11, with a wide variety of experiences. Particular focus is given to practical work, both class practicals and teacher demonstrations, because these improve students' understanding of key ideas in science and of how scientists develop their ideas. Eight of the class practicals are core practicals, which are a required element of the course.



## How am I assessed?

The GCSE Physics qualification is 100% externally assessed by examination. There will be two examinations of 1 hour and 45 minutes. Each examination paper will cover half of the subject content and will be worth 50% of the total mark.

There will also be questions on practical work in the examination papers.

The topics we cover in GCSE Physics are:

Paper 1	Paper 2
1 Energy	6 Forces
2 Electricity	7 Waves
3 Particle Model	8 Magnetism & Electromagnetism
4 Atomic Structure	9 Space Physics

## GCSE and beyond...

Students can go on to study Physics at A-Level with us, which opens up opportunities to extend their work beyond the laboratory.

These include the opportunity to visit lectures by current researchers at Birmingham University, to subscribe to Physics Review magazine, and **a biannual trip to the particle physics research facility at CERN in Geneva!**



## Physics + Maths

Thinking further ahead to A-Level study, when combined with Mathematics, Physics will enable you to progress to Higher Education and careers in fields such as:

- Physics
- Astrophysics
- Medical Physics
- Geophysics
- Space Science
- Engineering & Computer Science.

Materials Science and Chemical Engineering are options if you study Chemistry in addition to Physics and Mathematics.