



**Together: we care, we challenge, we excel.**

**“I have no special talents, I am only passionately curious”**

*Albert Einstein*



In Key Stage 3, students are taught the whole of science as a combined subject of biology, chemistry and physics. Practical work is a large element, where students complete experiments to understand ideas as well as help inspire them to understand more about the world around them. In this time, we focus on ensuring that students understand the importance of science as well as learning the fundamental ideas and skills required.

We study a number of areas:

- Acids & Alkalis
- Cells
- Chemical reactions
- Electricity
- Forces
- Human body
- Plants
- Properties of metals
- Reproduction
- Rocks

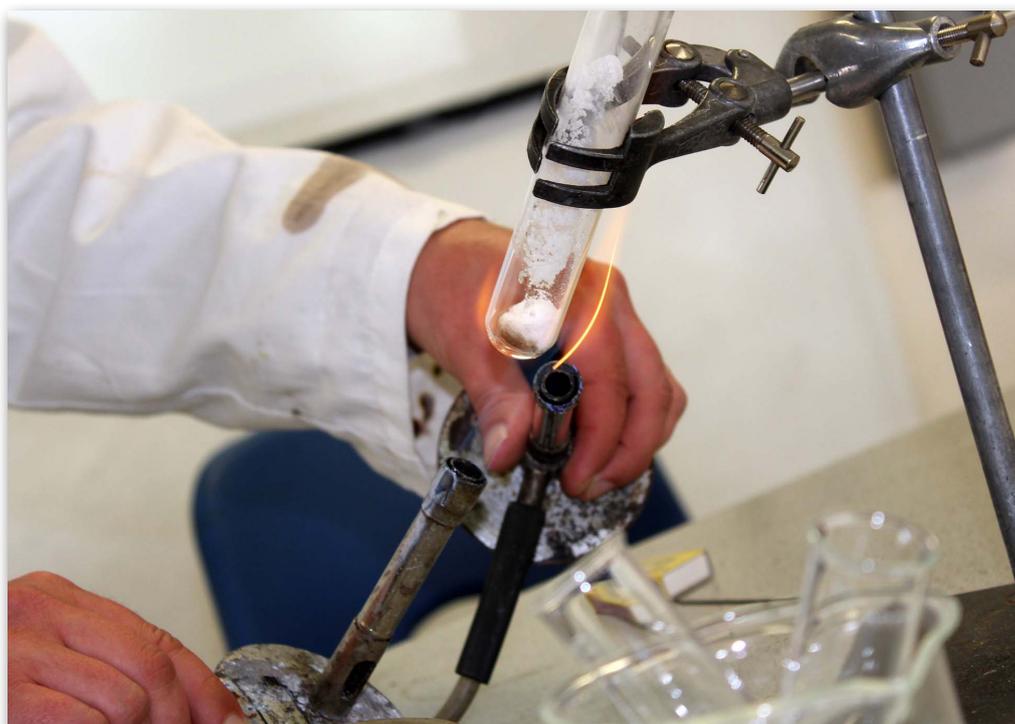
# SCIENCE

**Head of Science: Mr Michael Harris**



**“Everything is theoretically impossible, until it is done”**

*Robert A. Heinlein*



At Key Stage 4, students are taught biology, chemistry and physics by specific subject specialist teachers. This gives all students the opportunity to look at subjects in depth to understand the key ideas and concepts. There is a large proportion of practical work, where students can understand ideas for themselves and use this to plan further investigations. Mathematics is also used as a tool to better understand the subject.

All students complete at least 2 GCSEs in this subject as a combined award, with some completing triple science studying separate biology, chemistry and physics. All assessment is done through exams which are taken at the end of year 11, with 2 exams for each subject in science. This establishes a broad base to allow students to study science further, be that at A level or applied sciences.

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