CHEMISTRY

"The meeting of two personalities is like the contact of two chemical substances: if there is any reaction, both are transformed"

Carl Jung

Curriculum Lead:

Dr N Mellor

Teachers:

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Exam Board: OCR A

OCR

Why study Chemistry?

Knowledge of Chemistry opens doors to many careers and opportunities particularly within the field of medicine. The course involves some complex mathematical problem solving so it is important that you are confident in Mathematics.

What will you study?

Year 12

Many of the topics you studied at GCSE are pursued in greater detail such as chemical bonding and structure, rates of reaction and organic chemistry. Organic chemistry features more prevalently as a branch of chemistry in its own right. Practical investigations form a key part of the course and will be assessed during lessons across the two years.

Year 13

Modules studied in Year 12 in a qualitative way are extended in a more quantitative manner and the transition elements are studied in depth.

How will you study?

The course will require self -reliance and resilience with the ability to work both independently and collaboratively. A logical approach and attention to detail will be essential. Practical study is embedded into lessons.

How will you be assessed?

Throughout the two years there will be regular end of module assessments and examinations. Practical work is assessed during lessons with the focus being on the skills acquired such as safe and effective use of laboratory equipment

What do you need to study the course?

Entry requirements: You will require at least grade 6 in chemistry/ grade 7 if Combined Science. You should also have at least a grade 5 in English and 6 in Mathematics as you need to be competent in literacy and numeracy in order to successfully access the content of the course.

Which subjects combine well with chemistry?

Biology, Physics, Maths.

The Ferrers Sixth Form