



# Science Curriculum Intent



We aim to develop a **curiosity of Science** that fosters a **breadth, depth and application of Science knowledge and skills** for study beyond KS4 / KS5 and for **careers in a STEM-based society**. We aim to produce **outstanding future scientists** and instil **transferable scientific skills** needed to make informed scientific decisions and understanding in society and the world.

## Curriculum Principles

## Curriculum Intent

### Curiosity of Science

We want students to develop a love and curiosity for learning and understanding Science. We will ensure we foster a lifelong interest in Scientific developments and understanding of the world.

### Breadth, depth & application of Science knowledge and skills

The curriculum model centres around re-visiting topics sequentially, offering opportunity to further increase, embed and secure knowledge, skills and understanding throughout. Carefully embedded practical opportunities encourage students to actively seek solutions, design investigations and problem solve, becoming actively involved in making observations, collecting and analysing information that build from Y7 through to Y11, and Y13.

### High aspirations for careers in a STEM based society

Links to further study and careers is intricately woven into every topic throughout all key stages, to continually raise the aspirations of our students at all levels. Extensive wider curriculum opportunities are thoroughly embedded, to constantly expose our students to guest speakers, educational visits, FE and HE opportunities.

### Outstanding future Scientists

We want to inspire and encourage students to build cultural capital, have an appreciation and understanding of the relevance and impact that Science has on the local community and wider world.

### Transferrable scientific skills

We aim to give students a greater understanding of Science with regards to the content, skills and presentation of data to be able to think and analyse information critically, for their lifelong benefit and to make informed scientific decisions in society and the world.