

Science

Our aim in the Science department is to engage young students with a wide variety of scientific concepts and activities that will stimulate their naturally enquiring minds into asking and learning about the big ideas and major themes of science.

The KS3 Programme of Study is delivered over two years. The course has an even greater focus on areas such as the applications and implications of science. Topical issues such as cloning and stem cell research will encourage discussion of some of the ethical and moral dilemmas faced by modern Science. There will be further emphasis placed on collaborative work, where students will develop the skills needed for successful cooperative learning. The objective is to develop confident young scientists who will have the capacity to analyse and evaluate scientific evidence and communicate their ideas in a coherent, creative and logical manner.

During the Science course we plan to engage, enthuse and excite our students, but our First Important Priority is to generate a learning environment that the students will enjoy. When students realise that science can be fun, they are well on the way to finding the answers to "How Science Works".

Over the two years students study:

Biology

- Cells and Respiration
- Humans as Organisms
- Plants and Ecosystems and Inheritance
- Variation and Survival

Chemistry

- Classifying Materials
- Chemical Changes
- The Earth and Atmosphere

Physics

- Energy and Matter
- Forces and Motion
- Waves, Electricity and Magnetism
- The Earth and Beyond.