

SCIENCE FACULTY

Head of Faculty: Mr P Toovey

Aims

Alongside the school's desire to create a community and environment which actively helps and encourages each student, we as a science faculty feel that science, in its various forms, represents a way of organising knowledge that contributes significantly to the cultural and intellectual development of society.

All young people should have the opportunity to develop the skills of imaginative but disciplined enquiry combining interest and curiosity with a responsible attitude towards safety and a respect for living organisms and their physical environment.

With this in mind all students should develop:

- Their ability to work in a group.
- Their awareness of health and safety issues.
- Their accuracy and attention to detail when doing practical work.
- Their cross curricular skills e.g. study skills, communication skills, ICT skills, independent research skills.
- Their scientific literacy (involving the critical evaluation of evidence, a healthy scepticism of specific media and the ability to make informed judgements about scientific issues).

They should also:

- Show an *understanding* of the topics taught.
- Realise the everyday importance of science in their lives and develop their awareness of the influence of science on society in general and their own lives in particular.
- Be involved in their science lessons.
- Enjoy their science lessons.
- Increase their confidence and risk taking.
- Reflect upon their strengths and weaknesses in order to set themselves short term, achievable, goals.
- Think about doing possible future careers.

Year 7 Course Outline

With our focus in the science faculty on inspiration and enthusiasm in year 7 and 8 we have taken a very practical approach to the curriculum students will study. The four main areas are:

1. Organisms, behaviour and health
2. Chemical and material behaviour
3. Energy, electricity and forces
4. Environment, Earth and the Universe

These are taught in smaller units allowing a more in-depth level of engagement and understanding of the topics.