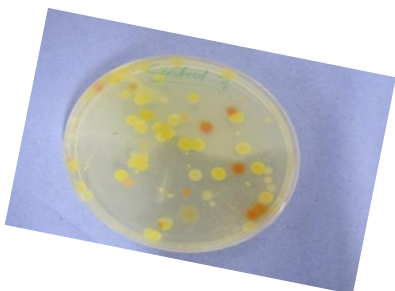
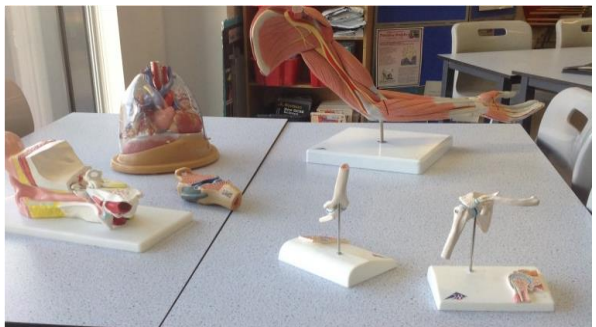


# Science



Welcome to Science!



# Why do we study Science?

Virtually all aspects of your life concern science and technology: your mobile, computers, satellite TV, navigation and medicine, to name just a few. Your generation is likely to experience changes in your lifetime beyond all imagination, and we all need to be able to make informed choices, as the decisions we make in our lives may have major implications for the future, maybe even that of planet Earth itself.

Science provides a knowledge and understanding of the natural world, the skills of investigation and experimentation, and an appreciation of the importance of science to individuals and to society. Science also helps to develop personal attributes such as curiosity, teamwork, motivation and the ability to communicate. These are particularly important skills and values and will help to prepare you for further study and a range of careers.

All students will study Combined Science with Triple Science being an option. This covers the National Curriculum and results in two GCSEs for Combined Science and three GCSEs for Triple Science.



# Physics

## What will I learn about in Year 7?

Energy

Forces

Sound

Space

## What will I learn about in Year 8?

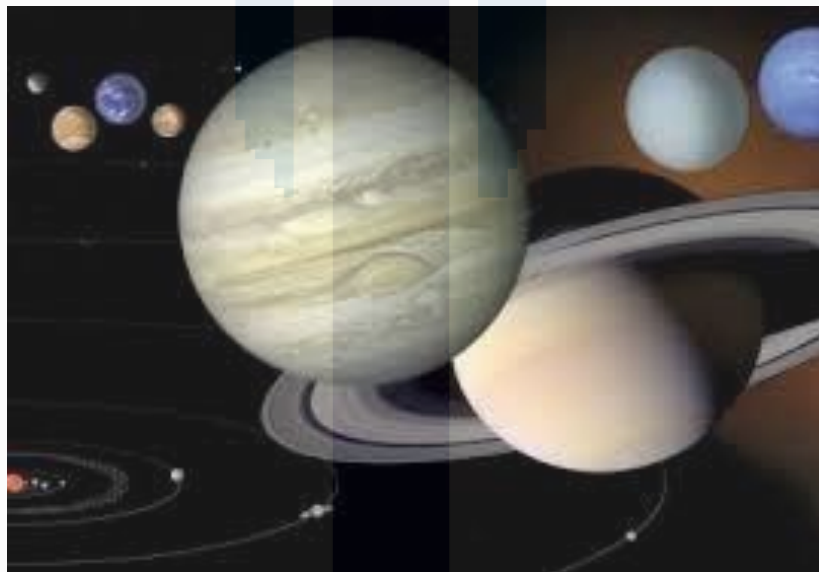
Heat Transfer

Forces and matter

Electricity

## What will I learn in GCSE?

You will study a wide variety of topics including: A core key concepts unit, Motion, Energy, Waves, Light, Radioactivity, Astronomy, Electricity and Electromagnetic Induction.



# Chemistry

## What will I learn about in Year 7?

Particles

Elements compounds and mixtures



## What will I learn about in Year 8?

Chemical reactions

Patterns in Chemical reactions

## What will I learn in GCSE?

You will study a wide variety of topics including: A core key concepts unit, States of Matter, Chemical changes, Metals, the Periodic Table, Rates of reaction and Fuels.

# Biology

## What will I learn about in Year 7?

Life

Reproduction and Growth

Ecology



## What will I learn about in Year 8?

Healthy Bodies

Plants and Survival

## What will I learn in GCSE?

You will study a wide variety of topics including: A core key concepts unit, Cells, Genetics, Health and Medicines, Plants, Animals and Ecosystems.