



Science Learning Journey

welcome
SCIENCE IS FOR EVERYONE

Building on the basic science skills and knowledge you have learnt at first school you will look at the 3 areas of science; biology, chemistry and physics.



Year 5

Working Scientifically
You will learn how to safely work in a science lab, pieces of equipment we use and how to collect and present data.

Earth & Space
You will learn about the planets in our Solar System, how the Moon moves and why we have day and night.

Reproduction & Growth
You will be able to describe what happens in puberty and how animals change as they age.

Evolution & Inheritance
You will be able to say what fossils tell us and how adaptations help species to survive.

Forces
You will be able to describe why things move in different ways.

Practical Project
You will learn how to design, plan and carry out a practical project and draw conclusions of your experiment.

Light
You will learn how light can help us in different scenarios and how light travels.

Year 6

The Human Body
You will be able to describe the different systems in the body.

Properties and changes of materials
You will be able to describe how different materials change when you interact with them.

Living things and their Habitats
You will learn how animals can be classified and create your own classification keys.



KS3 Science will build on the knowledge and skills you developed in Science in Years 5 and 6 to prepare you for GCSE study. You will study the 3 areas split into smaller topics during the years.

Year 7

Working Scientifically
You will build on your skills from KS3 and look at planning experiments, recording data, analysing and evaluating data.

Practical Project
You will design, plan and carry out a practical project and draw conclusions of your experiment.

Electricity
You will learn how to create different electrical circuits.



The department has a wide range of resources to help you with your studies, including dictionaries and books. Why not borrow a parallel text in Reading Time?

Practical Project
During Science Fortnight you will build on your knowledge and practical skills carrying out a project of your own design.

goodbye.



Year 8

Practical Project
During Science Fortnight you will build on your knowledge and practical skills carrying out a project of your own design.

Biology
In Y8 biology you will learn; how you can keep your body healthy, how organisms are adapted to their environments and how different organisms are on each other.

Chemistry
In Y8 chemistry you will learn; how the periodic table is important for all science, how mixtures can be separated, how metals react with different substances and how you can survive on a desert island.

Physics
In Y8 physics you will learn; how we use electricity, what the difference is between different forms of energy and how speed and motion are represented.

Towards the end of Year 8, you could participate in a high school transition project or careers project using your science skills!

Year 9 will build on the science skills and knowledge that you acquired in middle school.

Chemistry
Your chemistry topics will look at; how particles move, atoms and how they combine, chemical reactions and acids and bases.

Biology
Your biology topics will look at; different types of cells and where they can be found, revising and building on your knowledge of body systems, reproduction and how plants and humans reproduce.

Physics
Your physics topics will look at; how forces explain why things happen, how we hear things, how we can use light and what we know about space.