

# Science

## Other Routes...

Science can lead to a wide range of rewarding vocational and technical courses.



## Exam Preparation

Important and focused time getting ready for the GCSE exams. Recalling all that has been learned



## Hormonal System

Understanding the role of hormones in the body



## Electromagnetic Spectrum

Identifying the uses & dangers



## Motion



An opportunity to experiment with acceleration and the factors that affect it

## Rates of Reaction

Investigating how to change the rate along with equilibria



## A Level Sciences

Physics, Chemistry, Biology & Applied Science  
This can lead to a wide range of degrees, apprenticeships and careers.

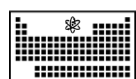
## Disease, Communicable & Non-Communicable

Understanding how the body fights disease



## Periodic Table

Understanding the history & structure



## Bonding

Understanding of how atoms join together in the different ways

## Calculating and measuring forces

Calculating forces & understanding the impact they have

YEAR  
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## Blood & the Heart

The role of the blood & examining the importance of the heart



## Ecosystems

How organisms compete for survival & how humans are affecting the ecosystems



**Electrolysis** Investigating how compounds are separated using electricity



**Energy Changes** Investigating the types of change

**Radiation** Understanding the dangers and uses



## Particle Movement

Understanding the processes of osmosis, diffusion & active transport

## Reactivity of metals

How to extract them and how they react

## Reactions of acids

Investigating how they react and are measured



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## History of the atom

How the structure affects properties and reactivity



## Chemistry of Food

Understanding nutrition and roles food groups play and how we identify them



## Enzymes

Investigating how they work in the human body



## Inheritance

Finding out why we look the way we do



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**Photosynthesis**  
How do plants produce food?



## Respiration

Investigating the different types



## Digestion

Understanding what digestion is



## Energy Transfer

Investigating how energy is transferred

## Types of Energy

Investigating the different types of energy



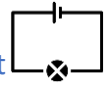
**Electricity & mains power**  
Understanding how the two relate

**Reactions of metals** . You will investigate how metals react



## Parallel or Series

Investigating the effects of the different circuits



## Forces & Gravity

Investigating the effect of forces



## Earth

Understanding how the earth is structured

## Separation techniques

You will learn how to separate mixtures



## Reactions

What are chemical reactions, identifying the different types



## Circuits

You will be able to simple build circuits & measure how it works



## Reproduction

Describing how fertilisation and reproduction take place in plants and animals



## Introduction to living organisms

You will be able to describe and explain the structure of living organisms



## Introduction to changes.

How changes of state take place using the particle model



## Energy, Electricity & Waves

## Forces

You will be able to describe how forces act on each other



## Waves

Investigate the different types of waves



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PRIMARY  
SCHOOL

## Science in Primary School

Science is all around you and helps us make sense of the world. At primary school you will have started your career as scientists, developing how you observe, question, create hypotheses, experiment, record data, and analyse data.



Science is part of everyone's everyday life