

# KS3 Science

2021-22  
Curriculum Outline

**YEAR 7**

## 7.0 Science Induction

*How to work in a scientific setting*



## 7.2 Human Reproduction

*How do we develop?*



## 7.1 Cells

*The building blocks of life*



## 7.3 Ecology

*The importance of biodiversity*



## 7.4 Matter

*That which occupies space*



## 7.5 Chemical Reactions

*Observing changes*



## 7.6 Earth Science

*The science of the natural world*



## 7.7 Our Universe

*Our world and beyond*



**YEAR 8**

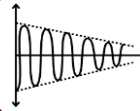
## 8.1 Forces

*Observing and calculating forces*



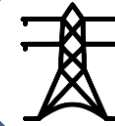
## 8.2 Waves

*The phenomena of sound and light*



## 7.9 Electricity

*How are our homes and schools powered?*



## 7.8 Energy

*How life is sustained*

## 8.7 The Atom and the Periodic Table

*Mastery of matter*



## 8.8 Chemical Reactions 2

*Reactants and products*



## 8.9 Earth and Atmosphere

*How do humans impact the planet?*



## 8.4 The Human body

*Looking at different organ systems*



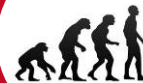
## 8.5 Bioenergetics

*Processes of life*



## 8.6 Evolution

*The science of our past*



**YEAR  
9**

## 9.2 Structure of the Atom

*Discovering the quantum realm*



## 9.1 Earth's resources

*Building a sustainable future*



## 9.3 Bonding

*How atoms interact with one another*



## 9.4 Conservation of mass

*Calculating quantitative interactions of atoms*

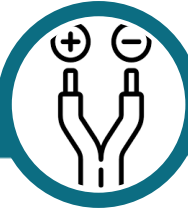


### Skills developed:

- Literacy Skills
- Oracy Skills
- Statistical Skills
- Graphical Skills
- Calculating Skills
- Analytical Skills
- Practical Skills
- Independence Skills

## 9.7 Beyond Earth

*Comprehending the scale of what lies beyond our planet*



## 9.8 Electrical circuits

*Discovering particles on the move*



## 9.6 Energy resources

*Looking at how the Earth provides for all*



## 9.5 Radioactivity

*Learning about Marie Curie's specialism*



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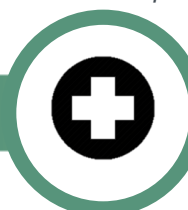
## 9.10 Health and Disease

*Health across a spectrum*



## 9.9 Cells in depth

*What cells do in different systems*



## 9.11 Genetics

*Decoding the genes of organisms*



## 9.12 Biodiversity

*Studying the interactions between the living and non-living*



**KS4**

