

Science (Biology) – Your Learning Journey

Year 8

- Your journey will begin with an introducing science unit which will teach you to work scientifically.
- You will study Biology by looking at 3 **Big Ideas** **ORGANISMS**, **ECOSYSTEMS** and **GENES**.
- If you follow the **colours** you can see how these build up as you move through Years 7 to 11.
- The Biology units that we study in Year 7 are:

Cells

Movement

Variation

Human Reproduction

- By the end of Year 7 you will be working scientifically and have a strong foundation for Year 8.

Year 7

- After a reminder on how we work safely in the science rooms we continue to look at building up your Biology knowledge and skills.
- As you move through each topic you will gain a greater understanding of each **Big Idea**.
- The Biology units that we study in Year 8 are:

Breathing

Digestion

Interdependence

Plant Reproduction

- By the end of Year 8 your knowledge, skills and confidence should be growing and you will be ready to tackle the more challenging work of Year 9.

Year 9

- In Year 9 you continue to build up your understanding of each Big Idea.
- The Biology units that we study in Year 9 are:

Respiration

Photosynthesis

Evolution

Inheritance

- By the end of Year 9 your knowledge, skills and confidence should be growing and you are ready to tackle the more challenging work of Year 10 GCSE.
- Next year GCSE just continues to build on the **Big Ideas** that you have studied in Years 7, 8 and 9.

Year 10

- GCSE just continues to build on the **Big Ideas** that you have studied in Years 7, 8 and 9
- The Biology Units that we study in Year 10 are:

Organisation of the Digestive System

Organising Animals and Plants

Communicable Diseases

Preventing and Treating Disease

Non-Communicable Diseases

The Human Nervous System

Photosynthesis

Respiration

- All the Units that you have studied so far make up Paper 1 of your GCSE

Year 11

- In Year 11 you continue to build on each **Big Idea**.
- Your Year 11 work prepares you for Paper 2 of your Biology.
- The Biology Units that we study in Year 11 are:

Hormone Control in Plants and Animals

Adaptations, Interdependence and Competition

Organising an Ecosystem

Biodiversity and Ecosystems

Reproduction

Variation and Evolution

Genetics and Evolution

- At the end of Year 11 you will sit the AQA Combined Science (Trilogy) exams.