



**Year 7**

**Intro to science**  
*Practising the skills needed to study science*



**Cells**  
*Basic units of life*



**Digestion and breathing**  
*How nutrients and oxygen are absorbed into the body*



**Year 8**

**Investigations**  
*Creating experiments to test ideas*



**Variation**  
*How we differ from each other*



**Reproduction**  
*How organisms make more organisms*



**Ecosystems**  
*How organisms interact in the environment*



# KS3-KS5 Biology

## Skills

### Learn't:

- Analyse patterns
- Discuss limitations
- Draw conclusions
- Present data
- Communicate ideas
- Construct explanations
- Critique claims
- Justify opinions
- Collect data
- Devise questions
- Plan variables
- Test hypotheses
- Estimate risks
- Examine consequences
- Review theories
- Interrogate sources
- Model ideas
- Calculations
- Microscopy

**Year 9**

**Cells**  
*Specialised cells, stem cells and transport in and out of cells*



**Organisation I**  
*Digestion and enzyme action*



**Organisation II**  
*Heart, lungs and non-communicable diseases*



**Year 10**

**Homeostasis**  
*How organisms stay in balance*



**Bloenergetics**  
*Photosynthesis and respiration*



**Infection**  
*Communicable disease and how it is treated*



**Year 11**

**Ecology**  
*Cycling of nutrients and biodiversity*



**Inheritance**  
*How DNA affects the traits of an organism*



**Exam skills**  
*Preparation for external exams*



**Year 12**

**Biodiversity and disease**



**Exchange and transport**



**Foundations in biology**



**Year 13**

**Communication, homeostasis and energy**



**Genetics, evolution and ecosystems**



**Exam skills**  
*Preparation for external exams*

