



KS4 Curriculum Overview - Biology

Your child will learn about the human body and the ecology of the world around them.. They will develop their knowledge, skills and understanding of the scientific method during each half term.

Term	Year 10	Year 11
Autumn 1	- Cells and transport (Year 9 Summer 2) - Communicable diseases - Digestion and respiration	- Ecosystems - Biodiversity
Autumn 2	The heart and health	- Reproduction - The eye and brain - Food production
Spring 1	- Cell division - Culturing microorganisms - Monoclonal antibodies	- DNA and cloning - Variation and evolution
Spring 2	Homeostasis and hormones	Water and nitrogen balance
Summer 1	- Plant systems - Photosynthesis - Plant disease & plant hormones - Adaptation and competition	- Exam skills - Revision
Summer 2	Communities	GCSE Public Examinations

Through the study of Biology your child will be expected to develop the following knowledge, skills and understanding:

Concepts/Skills

- Knowledge of physiology and body systems
- An understanding of ecology, and the impact of humans on the world around them
- Development of scientific thinking, and skills of data analysis and evaluation.

Parents can support their child by checking [Google Classroom](#), testing pupils on key knowledge from [Cognito YouTube videos](#), [BBC Bitesize](#), and create a parent account on [Seneca](#) to track student progress through mini tests and quizzes.