



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	<ul style="list-style-type: none"> Plant organs and photosynthesis Respiration Digestion 	<ul style="list-style-type: none"> Understanding environmental change Plant disease
Autumn 2	<ul style="list-style-type: none"> Health Culturing microorganisms Monoclonal antibodies 	<ul style="list-style-type: none"> Adaptation and competition Variation and Evolution The brain
Spring 1	<ul style="list-style-type: none"> Nervous system Homeostasis Hormones 	<ul style="list-style-type: none"> Plant hormones Decomposition Theory of evolution
Spring 2	<ul style="list-style-type: none"> Organisation of the Ecosystem Biodiversity 	<ul style="list-style-type: none"> Genetics Cloning
Summer 1	<ul style="list-style-type: none"> Body temperature Water and nitrogen balance The eye 	<ul style="list-style-type: none"> Exam skills Revision
Summer 2	<ul style="list-style-type: none"> Reproduction Food production 	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.