

## What are the aims and intentions of this curriculum?

Continuation of the GCSE AQA Biology course. Developing students understanding of key scientific ideas and their ability to investigate scientifically and have an in depth understanding of their findings.

Term	Topics	Knowledge covered	Skills developed	Assessment
<b>Autumn 1</b>	Homeostasis	Nervous System and Communication Brain Coordination Eye Structure and Function	Practical skills - planning investigations using terminology for variables. Collecting valid results and observations Dissection and Eye structure Reflex Timings Practical Task	Written assessment using GCSE exam questions on topics covered so far in years 9 and 10
<b>Autumn 2</b>	Homeostasis	Hormonal Control and Communication Temperature Regulation Blood Sugar Regulation Menstrual Cycle and Contraception	Development of bodys planning and coordinated response to changes, links to diseases. Graph interpretation and evaluation	
<b>Spring 1</b>	Organisation	Cells, Tissue, Organs Digestion Food Testing Heart and Circulatory System Lung structure and breathing	Practical skills - planning investigations using correct terminology for variables. Understanding accuracy and reliability. Collecting valid results. Plotting and analysing graphs. Enzymes Require Practical	Written assessment using GCSE exam questions on topics covered so far in years 9 and 10
<b>Spring 2</b>	Organisation	Risk factors in lifestyle diseases Cancer Transpiration Translocation	Practical skills - planning investigations using correct terminology for variables. Understanding accuracy and reliability. Collecting valid results. Plotting and analysing graphs.	
<b>Summer 1</b>	Bioenergetics	Photosynthesis and Limiting Factors	Practical skills - planning investigations using correct terminology for variables. Understanding accuracy and reliability. Collecting valid results. Plotting and analysing graphs. Photosynthesis Practical Task	EBI work - developing skills and knowledge covered over the year so far that are shown to be areas of weakness, based on QLA from assessment
<b>Summer 2</b>	Bioenergetics	Respiration, Anaerobic and Aerobic Metabolism	Practical skills - planning investigations using correct terminology for variables. Understanding accuracy and reliability. Collecting valid results. Plotting and analysing graphs.	