

Biology (AQA)

“Biology is the most powerful technology ever created. DNA is software, proteins are hardware, cells are factories.” - Arvind Gupta

Biology considers issues such as genetic engineering, cloning and the environment. Learning about the human body, other living things and how we all interact with the environment are key components of the course. Studying Biology helps students debate with informed opinions and helps to shape the future of our planet.



Academic

A Level Biology includes a detailed study of the cells of animals, plants and bacteria, along with their organelles.

We learn how DNA is replicated, used to synthesise proteins and give structure and function to living organisms. We explain the roles of the chemicals of life, including enzymes, carbohydrates and lipids.

How organisms feed and exchange substances with the environment is a common theme, along with diversity and energy transfer within living things and ecosystems.

Co-Curricular

The Biology department runs a range of activities outside of timetabled lessons including:

- MedVet Soc - for prospective doctors, dentists or vets
- Biology Clinic - for Sixth Form Biology students to access further support or catch up missed work
- Opportunity to support the Year 6 and 7 Science Club
- Opportunity to meet inspirational external speakers at Café Sci
- Trip to the Wellcome Genome Campus near Cambridge
- Residential fieldwork trip to Devon for Ecology practical investigations