

# BIOLOGY

## Why should I study Biology?

Biology is the study of living organisms past, present and future. Pupils following the Bolingbroke Academy Biology course will explore a range of relevant and cutting edge biological concepts and skills that will prepare them perfectly for a biology-based course at University. The two year programme focuses on how modern breakthroughs in Biology have impacted ecosystems, human health and our understanding of the living world around us.

## Bolingbroke is best for Biology because...

Our modern facilities and equipment allow pupils to gain an interesting and engaging insight into all the biological concepts they will study. The department is rich in biologists who all share a passion for their field as well as the capabilities and desire to support pupils in gaining the best attainment possible.

## What will I study?

Pupils will extend their knowledge of biological molecules, cells and genetic inheritance. They will consider in more detail how the process of natural selection has shaped Biology and consider the factors that make humans different to the rest

of the living world. Pupils will explore the nervous system, the endocrine system and osmoregulation and will learn how these body systems enable organisms to thrive in their environments. Modern gene technologies such as PCR, electrophoresis and gene therapy will also be studied.

## Additional activities within this subject

- Opportunities to attend Biology inspiration lectures.
- Trips to and links with universities to help you decide that all important next step.
- Visit to The Gurdon Institute to study the biology of development, and how normal growth and maintenance go wrong in cancer and other diseases.
- Subject Tutorial support sessions



## What our students say

"I am choosing to study Biology because I have been inspired by passionate subject specialists over the last five years and want to know even more about the world around me."

Class of 2019 student