



# Hampton Court House

## Curriculum Outline 2019/20 – Year 11 Biology (ANH)

### Autumn 2019

Principal Text: *AQA GCSE 9-1 Biology by CGP*

We start the term considering bioenergetics, namely respiration and photosynthesis.

We then move on to study control and co-ordination in the human body, focusing on the hormonal and nervous control. Triple award students will also encounter completely new material on the brain and vision.

Following this, we will delve into the world of inheritance considering cell division, differentiated cells, genes and alleles, and finally inheriting disorders.

Assessment of students' progress will be through a mixture of short quizzes in lessons and homework exercises, alongside lesson-to-lesson formative assessment and more formal mock examinations.

Students will be supported in their revision of key topics through Friday biology revision clinic, and will also receive past papers for practise leading up to the exams.

Emphasis will be placed on exam technique, through practise of past AQA GCSE papers.

Links with fundamental values

The students will be considering ethics in Science, the morals surrounding genetics and gene technologies as well as the importance of conservation and biodiversity.

Social, moral, spiritual and cultural content  
Our students will explore the morals and social issues surrounding treating non communicable diseases, ethical sourcing food as well as genetics and conservation of ecosystems. They will also learn about the key scientific discoveries and the early pioneers in Science who have shaped what we know about biology today.

Opportunities to independently extend learning  
Reading more advanced material such as A - level Biology Textbooks and New Scientist Magazine.

Requesting past papers from other syllabuses to experience a wider variety of question styles.  
Regular consolidation of notes to check understanding.

### Spring 2020

Principal Text: *AQA GCSE 9-1 Biology by CGP*

We will complete the GCSE syllabus with evolution topics such as theories of evolution, natural selection and speciation.

We will then embark upon exam practice and revision.

### Summer 2020

Principal Text: *AQA GCSE 9-1 Biology by CGP*

Students will be supported in the lead up to their final examinations during this term. They will be given exam practice, complete multiple past papers and we will revise the key topics.