



# BIOLOGY

## What will I learn?

You will be taught A-Level Biology through both theory and practical lessons. This will be further supported by the use of ICT and background reading to extend and enrich your biological knowledge and understanding. The following topics are included:

- Cells; Enzymes; Digestion; Disease; the Heart; Lungs and Immunity.
- Variation; DNA and Meiosis; Genetic Diversity; Exchange and Transport in plants and animals; Classification and Biodiversity.
- Populations; Selection; ATP; Photosynthesis; Nutrient cycles and Genetic variation.
- Stimuli; Coordination; Muscles; Sliding filament theory; Homeostasis; Feed-back; Gene therapy and Genetic Fingerprinting.
- Investigative and practical skills.
- Maths skills.

For full course details see the websites:

[www.store.aqa.org.uk](http://www.store.aqa.org.uk)

[www.stmargaretsacademy.com/curriculum-science.php](http://www.stmargaretsacademy.com/curriculum-science.php)

## Qualification

A-Level

## Start Date

September 2020

## Finish Date

June 2022

## How will I be assessed?

- Paper 1: content from units 1-4 , including relevant practical skills.
- Paper 2: content from units 5-8, including relevant practical skills.
- Paper 3: Any content from topics 1-8, including relevant practical skills and an essay question.

Questions can be a mixture of styles including short answers, long answers and calculations.

## Future opportunities

A-Level Biology is a specific requirement for certain careers such as Medicine, Physiotherapy and Veterinary Science but is also recommended for a wide range of careers such as Dentistry, Agriculture, Forestry, Farming, Fisheries, Food Manufacture and Preservation, Genetic Engineering, Pharmacy and Nursing.

## Entry Requirements

Grade 4 in GCSE English  
AND

Grade 7 in GCSE Maths  
AND EITHER

Grade 6 in GCSE Biology  
OR

Grade 7-6 in GCSE Science (AQA  
Trilogy/Edexcel Combined/OCR  
Gateway)