

## Studying Sciences at BOA

Following the government's recent changes to science teaching there are three different ways that science is now taught and assessed. Below is a summary of the two routes of progression available in science at BOA.

### Double GCSE Route

#### AQA Science A + Additional Science

These two GCSEs each contain Biology, Physics and Chemistry modules. The content is studied in years 10 and 11 but all external exams are sat at the end of year 11. Each GCSE includes a controlled assessment unit. These two qualifications result in two GCSEs which have independent grades (e.g. Science A, Additional Science A\*). These GCSEs allow progression to A level science courses and are offered to all students at BOA as part of their core studies.

Topics include:

Biology	Chemistry	Physics
Evolution Medicine and Disease Genetics Cells Plants	Petrochemical Industry Metals and their uses Rates of Reaction Atomic Structure Electrolysis	Forces Motion Electronics Radiation Energy

### Triple Science Route

#### AQA Biology, Chemistry, Physics

Students choosing Triple Science as an option study the same content as the two core science courses and an additional module in each of the three sciences. At the end of year 11 they sit external exams leading to three GCSEs – Biology, Chemistry and Physics. To take this route students must choose triple science as one of their options.

Topics Include

Biology	Chemistry	Physics
Environment Homeostasis Heart and Lung Function	Periodic Table Water Analytical Chemistry	Motors Hydraulics Optics

**AQA GCSE Science Specification A (Code: 4405)**

**AQA GCSE Science Additional (Code: 4408)**

**AQA GCSE Science (Triple Science) Biology (Code: 4401) Chemistry (Code: 4402) Physics (Code: 4403)**

