

# Science

- **AQA and ? teachers**
- **GCSE and A' Level Specialists**
- **Biology, Chemistry and Physics**

Science enables young people to make predictions; it ignites their curiosity and allows them to appreciate the wonders of the world around them. The content of the Science National Curriculum (for GCSE's and A levels in particular) can seem overwhelming to many students and lead to a lack of confidence and disengagement in the subject which can then have a detrimental effect on pupils' achievement, outcomes and enjoyment of the subject.

Due to the heavy content and base of knowledge required it is vital that students are continually revisiting topic areas, revising, consolidating and extending their knowledge in order to succeed in this subject. For examination students, understanding the nuances of the examination questions and learning how to apply their knowledge in the exam through regular completion of past papers is vital.

Here at Learn North West we offer tuition across all three of the sciences: Biology, Chemistry and Physics from the primary curriculum through to A' Level.

## **Primary Science Tuition**

At Key Stage 2 there is a new, greater focus on practical science and "working scientifically" which incorporates data handling, maths in science and the application of knowledge within Science lessons. This means the expectations of primary school children are much higher and this can be quite daunting for some students. Here at Learn North West we can offer support and guidance with your child's Science learning, helping to build and foster a love and curiosity for science alongside developing the key knowledge and understanding that are the backbone of the subject and the foundations for success in Secondary School.

## **Key Stage 3 Science Tuition**

In Key Stage 3, students are working on building a foundation of knowledge to prepare them to begin to tackle their GCSEs. Although students are not working towards any official examinations in Key Stage 3, they will be undertaking end of unit style tests in their classroom setting which will ultimately determine which set they are placed in in Key Stage 4 and will therefore determine which route they follow at GCSE level. At Learn North West we prepare students for the leap up to GCSE, teaching pupils how to apply their knowledge – a vital technique to grasp in order to be successful in GCSE and beyond.

## **GCSE Science Tuition**

There are two main routes students can follow in their Science GCSEs:

### Route 1: Combined Science – Trilogy

Students access all three science subjects (Biology, Chemistry and Physics) as a combined route. Students will complete 6 GCSE examinations that cover all of the three disciplines at the end of Year 11. They are

awarded 2 GCSEs in "Combined Science" for which the grade is calculated as an average of the 6 examinations taken.

### Route 2: Separate Sciences – Triple

Similarly, to the Trilogy route described above, students access all three science subjects (Biology, Chemistry and Physics) and will complete 6 GCSE examinations at the end of Year 11. However, the content taught and assessed is more intense and the outcome for the student is 3 separate GCSEs; one in Biology, one in Chemistry and one in Physics. This is the more favourable choice for those students who wish to study Science at college and/or university and is a much more content heavy, rigorous course.

At Learn North West we are able to support our Trilogy and Triple GCSE students with up-to-date knowledge of the curriculum and an insight into what the examiners are looking for as a result of our extensive experience in schools. We provide a range of resources and activities to support students depending on their preferred style of learning and have a plethora of past paper questions and examinations for students to use to aid their learning and examination technique. We are also well versed in the 'working scientifically' area of the curriculum and can offer support with data handling, maths in science and the required *practical* element of the specification.

The required practical element varies depending on the exam board each student is sitting and our tutors at Learn North West can offer tips, methods and guidance to ensure success in this area, regardless of which exam board specification a student is studying.

## **A' Level Science Tuition**

Colleges offer a wide range of science related subjects including Biology, Chemistry and Physics as well as Environmental Science and Applied Physics to name a few. At Learn North West we can offer additional support to all science related A' Level subjects, including exam techniques such as essay writing, problem solving and applying scientific knowledge. We can also offer an alternative explanation for complex topics and have plenty of resources and revision tools at our disposal.