

## **William Hulme's Grammar School Science Faculty**

### **Science Department Ethos**

Science teachers at William Hulme's Grammar School are passionate about the teaching of Science and collectively form a dynamic team with on-going reflection of their own performance. They set themselves the very highest standards and commit to 'going the extra mile' to ensure pupils enjoy their lessons and make outstanding progress in Science.

### **Overview**

The Science Faculty at William Hulme's Grammar School consists of 13 teachers and 2 laboratory technicians. The hard working staff within the department commit to an open and collaborative approach to ensure the complex needs of the science curriculum are delivered effectively to all pupils at the Academy. The members of the faculty team have a wide range of experiences and are all very well qualified with subject experts across the full range of sciences. The team is particularly passionate about our pupils achieving the very best academic qualifications across all the key stages.

Our students achieve outstanding Science results, well above national averages, which is testament to the high esteem they have for the subjects along with the excellent teaching and pastoral support provided.

The Science Faculty is well resourced with access to a wide range of printed textbooks and online materials. Most teachers benefit from their own teaching classroom with minimal movement to other teaching rooms. A large selection of pupil work is displayed prominently across displays within the Science Centre. The laboratory technicians provide outstanding support to the teaching staff within the faculty.

### **Science Curriculum**

#### **Key Stage 3**

At Key Stage 3 pupils follow schemes of work based on the Exploring Science program. There are on-going discussions as to how we can continue to develop this provision to ensure pupils receive the very best preparation for their GCSE level courses. The new member of staff to the team would have the opportunity to contribute to the development. Pupils are taught for 3 hours a week.

#### **Key Stage 4**

At GCSE pupils will study one of the following AQA options:

- Triple Science
- Combined Science

Each year the number of pupils on the triple science route is significantly above national average and the majority of pupils study at least two GCSEs in Science. Pupils have 5 hours of Science lessons a week.

#### **Key Stage 5**

The Science A levels prove very popular at WHGS each year. A large majority of pupils across the sixth form study at least one science.

The successful candidate will be an enthusiastic teacher who is passionate about the teaching of Science. They will also need to demonstrate a commitment to the extra-curricular life of the school. Within the Sciences a large range of activities take place such as STEM Club, Science Club and academic support sessions. Teachers within the faculty also aim to take pupils on a number of educational visits throughout the year to places such as The University of Manchester, Jodrell Bank and Science Museums across Manchester. Members of the Physics Department have also run very successful overseas trips to see the Northern Lights in Iceland and the Large Hadron Collider at Cern.