



### **Science Department Information**

An exciting opportunity has arisen for an ambitious, motivated and committed individual to join the college's dynamic Science department.

Teaching science at Shuttleworth College means you will become part of a supportive department with a range of teaching experiences. With nine subject specialists, new staff will be joining a skilled department with a collaborative and developmental approach within the team.

The Shuttleworth Science Curriculum has been specifically created for our students. It is the culmination of our faculty's vast teaching experience and broad subject knowledge. As classroom practitioners and scientists we hold a firm belief in the value of research based approaches in education, as such we place educational research and evidenced based strategies at the forefront of our curriculum design. As scientists we hold a firm belief that a wide and varied understanding of the scientific world is a student's right, as it will equip them with the lifelong knowledge and understanding to support a full and active role as an adult in society. We wish to instil our students with powerful knowledge and do not shy away from teaching complex concepts.

Our KS3 curriculum is delivered through years 7-9 in mixed ability classes. At KS4 pupils opt to follow combined science GCSE or separate science GCSE. We have paid particular attention the sequencing of topics to ensure that our curriculum is cyclical and spirals. The sequencing allows pupils to progress through the 5 years of study continuously building on prior knowledge as well as revisiting previous learning. A keystone of our curriculum is the focus on the depth of our pupils learning as opposed to its breadth.

The science department is located within the school building and has 8 dedicated fully resourced state of the art laboratories. The science department is supported by 2 highly experienced science technicians.