

## **Curriculum Statement of Implementation**

### **KS3:**

- The KS3 Science curriculum is delivered across 2 years. Students have 3 lessons a week in both Year 7 and 8.
- The KS3 Curriculum follows the National Curriculum and is broadly based on the Pearson Exploring Science Scheme.
- Students are set in year 7 and 8.
- In year 7 each class has 3 teachers, one each for Biology, Chemistry and Physics. In year 8 each class has one teacher and curriculum is split into two Biology, two Chemistry and Two Physics units.
- The curriculum is 'spiralled' so that the building blocks for GCSE are developed through the two year course.
- At the end of each unit the students have a Knowledge test which develops their AO1 skills, followed by an End of Module test..
- Students complete 'Lab Book Practical Activates', which mirror the Required practicals throughout the GCSE course. The lab books which provide the method and also include exam style questions to help prepare them for external assessments.
- We use 'Educake' for homework, which is an online Learning platform that develops the students AO1 skills.

## **Curriculum Statement of Intent Science**

The role of the Science department at St Paul's is to develop student's ideas and ways of working that enable them to make sense of the world in which they live through investigation, as well as using and applying processing skills. We ensure that all children are exposed to high-quality teaching and learning experiences, which allow them to engage with practical experiments. They are immersed in scientific vocabulary, which aids students' knowledge and understanding not only of the topic they are studying, but of the world around them. We intend to provide all students with a broad and balanced Science curriculum and encourage them to develop a sense of excitement and curiosity about Science.

Science teaching at St.Paul's involves adapting and extending the curriculum to match all pupils' needs across all 3 Key Stages. We ensure that all students are provided with rich learning experiences that aim to:

- Help our students to acquire Scientific knowledge and learn facts that they can readily recall and apply in new situations;
- Build on our students natural curiosity and develop a scientific approach to problems through working scientifically;
- Encourage self-assessment and develop the skills of investigation – including: observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating;
- Develop the use of scientific language, recording and techniques;
- Make links between Science and other subjects.
- Prepare our children for life in an increasingly scientific and technological world today and in the future;