

Science at Invested Education



Intent

In Science we endeavour to continue to grow our students' curiosity in the world around them and link scientific concepts with real life situations. We plan, sequence and adapt our curriculum to meet the unique needs of all our learners ensuring that study at KS3 is sequential in leading to study at GCSE level. All students will be stretched and challenged considering different starting points. We aim to develop effective literacy and numeracy skills creating learners who are confident and competent readers, writers and speakers, with essential analytical skills needed for life.

Implementation

Our curriculum is implemented in a way that will ensure every individual achieves success. We have a belief that science is best taught, where possible, within a practical context and endeavour to produce lasting learning experiences to enrich student's understanding. During lessons pupils will be involved in carrying out experiments, watching demonstrations and using ICT resources.

Impact

Our Science curriculum impacts our learners' ability to apply scientific knowledge and understanding correctly to both familiar and unfamiliar contexts in the world. It encourages learners to understand how Science fits into society and thereby encourage them to make a positive contribution to their local and wider community. It also enables learners to use a range of Mathematical skills that can be applied to the world in which they live such as critically analysing qualitative and quantitative data to draw their own logical, well-evidenced conclusions. Our students are challenged and stretched by developing their leadership, organisation, resilience, initiative and communication skills to provide foundations for every aspect of school life.

In summary the intent of our Science curriculum is to spark our students' curiosity in the wider world whilst developing analytical skills. Through its implementation, we tailor our program to meet the unique needs of our students, ensuring that they have a positive and meaningful

experience in physical education. The impact of our curriculum is wide reaching developing our pupils' numeracy and literacy whilst equipping them with curiosity and skills to question the world around them

Qualifications

AQA GCSE Biology

Life beyond Invested Education

At Post- 16 Chemistry, Biology and Physics can be studied at A- Level.

This subject is related to the following careers and could lead to a pathway in scientific careers such as

- Pharmacist
- Doctor
- Nurse
- Geologist