

Science



Intent

Science and critical thinking is used in many aspects of our everyday life; at home, at work and in leisure. Science is therefore considered an important part of our curriculum and this is acknowledged in the weekly discrete lessons delivered throughout the school. We are developing in our students the ability to:

- Respond to and use observations and experiences to develop an understanding in the world around them through questioning
- Develop an awareness of risks , hazards and safety issues and be able to work safely and responsibly
- Use appropriate equipment responsibly and with control, accuracy depending on the complexity of an experiment.
- Communicate a wide range of scientific ideas in a range of formats using appropriate language

Implementation

Le Murier has end of year statements which can be used to help teachers develop the curriculum for their class or individual. We have adopted BSquared for tracking in Science and this is a work in progress . This allows teachers to track the progress of individual students and provide a more personalised program. Students are taught the range of Scientific processes; skills and knowledge

(questioning, designing experiments and fair tests, interpreting data, making predictions and drawing conclusions) in discrete lessons as well as incidentally throughout the curriculum in Maths, CDT, Outdoor Learning, Art and PSHE.

Impact

The knowledge and skills gained in the lessons are tracked in B squared to inform future learning and measure progress.

Well planned sequences of learning support students to develop and refine their scientific skills. All are able to independently apply their level of knowledge and skill to a range of increasingly complex problems and are questioning and predicting with increased confidence and accuracy. All are able to transfer their level of scientific skills to a variety of uses in and out of school, so developing their life skills. Students in Yr 10 and 11 can also choose options at the Guernsey Institute (College) which require a foundation knowledge of scientific skills, for example welding.