

# Science at The William Henry Smith School & Sixth Form



## Intent

To provide opportunities for our students to develop an interest in science and deepen their knowledge and understanding of the natural world.

To promote the development of natural curiosity about, and respect for, the world around them.

To provide opportunities to carry out practical investigative tasks which enable students to work scientifically.

To enable our students to widen their knowledge and use of scientific vocabulary.

*We aim to give our students an understanding of the world around us so they can make responsible decisions about our planet as they become the citizens of the future.*

## Implementation

The teaching and learning of science will be primarily facilitated through the cross-curricular Individual Learning Projects which will prepare them for their next stage of their scientific learning as they move through school. Some students will then have the opportunity to develop their knowledge and understanding through the specific disciplines of biology, chemistry and physics.

Our students will use a range of resources to develop their knowledge and understanding of working scientifically and be able to raise questions, carry out investigations, solve problems, use scientific vocabulary and undertake practical work.

Students will have opportunities to take part in enrichment activities such as educational visits, engage with visitors to the school and on the school farm.

## Impact

All students will develop their knowledge and understanding in science and be able to discuss their learning with others. They will be able to question ideas and reflect on knowledge and work collaboratively and practically to investigate and experiment and be able to explain the process they have taken.

Most students will achieve AQA Unit Awards in science through the Individual Learning Projects.

Some students will achieve an Entry Level Science qualification and have the opportunity to build on their skills towards further study.

