



Science

Department Intent

- Provide students with the foundations for understanding the world around them through biology, chemistry and physics.
- Inspire a sense of curiosity about the natural world.
- Develop key skills such as explaining, predicting and analysing.
- Equip students with the knowledge, skills and attitudes they need to think critically and problem solve.
- Develop an understanding of how science is used today and how it may be used in the future.

Implementation

KS3

- Breadth of curriculum – students acquire knowledge from the 3 key areas (Biology, Chemistry and Physics). Content is underpinned by the KS3 national curriculum.
- Developing key skills – students are given opportunities to develop key skills such as explaining, predicting and analysing. Equipping them with the skills they need to access the science curriculum in their mainstream setting.
- Termly (12 week) use of standardised GLS testing to track progress.

KS4

- Breadth of curriculum – students acquire knowledge from the 3 key areas (Biology, Chemistry and Physics). Content is underpinned by the AQA Entry Level Certificate specification.
- Key skills – students continue to receive opportunities to develop and embed their skills in explaining, predicting and analysing.
- Students are delivered an age-appropriate curriculum, allowing them the best opportunity to achieve the Entry Level Certificate and/or access the science curriculum in their mainstream setting if transition is successful.
- Students are given regular opportunities to revisit learning through the 'Daily Review', with 1:1/small group support provided where there are gaps in learning for some.

Impact – What is the impact of our curriculum?

- Students are beginning to engage with Science more positively.
- Students are developing their scientific knowledge, building their confidence with the 3 key areas and developing their independence.
- Students are able to use skills to support them in accessing the curriculum both here and at their mainstream setting when transitioning.
- Students to leave with a qualification in Science (ELC 1/2/3 at the end of KS4).