

Computing

Intent: Develop learner's knowledge, skills and understanding through key computational concepts and experience.

- The computing curriculum has been designed to ensure learners have sufficient knowledge to stay safe online and use computers safely in life from a young age.
- The computing curriculum also provides a focus on developing resilient learners who are able to recover from mistakes and effectively solve problems, both individually and whilst working collaboratively.
- The topics at KS3 give a basis of knowledge, skills and understanding to allow students to progress onto either ICT or Computer Science at KS4 and will provide exposure to those subjects so that students can make an informed decision on their GCSE choices and future career choices.

Implementation:

- An electronically resourced bank of lessons for each topic, which carefully plans for progression and depth as well as a developing bank of low stakes quizzes to regularly support learners' ability to retrieve learning and increase space in the working memory;
- Challenge questions regularly implemented within learning for pupils to question and further their understanding.
- Teachers promoting opportunities to learn through the idea of scholarship and use of website to offer books, movies and websites to further pupils' own curiosity and interest within topics and around the subject.
- Extra-curricular activities/clubs to promote the use of STEM and Computing in a wider world context.

Impact: Our Computing curriculum is high quality, and planned to demonstrate progression of both computational understanding and key concepts within the subject such as problem solving, creativity and logic. If children are keeping up with the curriculum, they are deemed to be making good or excellent progress.

In addition, we measure the impact of our curriculum through the following methods:

- Link to the Oakfield Infinity curriculum to demonstrate the significance of the 6 core concepts within the subject as well as making clear cross curricular links with other subject areas.
- Pupil discussions about their learning and next steps to be taken.
- Discussions as staff as to how best to progress with the curriculum and where next steps might be taken to improve and develop the learning journey.
- Continuing links to KS4 and the continued successful uptake for GCSE and career options between Computer Science and ICT.