



Science Leader

Our Computing Curriculum lead, **Katrina Bradley**, is responsible for developing and monitoring the computing curriculum across the school. In 2019 she achieved her Apple Teacher qualification.

Computing forms an important part of our curriculum. As a school we aim to prepare children for the rapidly changing world in which technology is increasingly relied on.

The computing subject is planned and taught to help our students become critical thinkers, creative learners, reflective learners, team workers and independent enquirers.

There are three areas of the computing curriculum which begins in the Foundation Stage taught through to Year 6.

- **Everyone Can Code**
- **Everyone Can Create**
- **Everyone Can Stay Safe**

Curriculum Design & Sequencing of Content

We teach children a knowledge rich computing curriculum that has high expectations and designed to be progressive in skills for creating, coding and staying safe online.

Computing is organised into a linear sequence building on children's prior knowledge. There is an overview of progressive skills which is linked to class topics.

Everyone Can Code

This area of computing progresses children's understanding of computer science through the specific teaching of coding. Children learn computational thinking skills which will help develop their problem solving skills and they also become programmers by learning cornerstone coding concepts, including the specific coding terminology.

By the end of Year 6, children will be able to read and write basic Swift code.

Everyone Can Create

Computing and the use of technology prepares all young people to participate in a rapidly changing world in which work and other forms of activity increasingly dependent on.

This area of computing develops pupil's digital communication and creative skills of images, film, sound and data handling. They learn to save and retrieve work, type and use touch screens or mice and research online in computing lessons.

Most importantly though, they learn to present and evaluate their digital work for a particular audience and purpose.

Everyone Can Stay Safe

No child should feel unsafe when using technology, including being safe online, Children will know what online bullying and online safety is and how to manage problems if they arise.

They will become capable of discriminating information and the ways in which it may be used online. We will teach them how to make informed judgements of when technology should be used and how it can achieve maximum benefit to work and learning.