

## Computing

‘Change is the law of life and those who look only to the past or present are certain to miss the future ‘

John F. Kennedy

At Education South West our purpose is to: ‘educate pupils so they can lead great lives’. Our Computing curriculum is inspiring, challenging, deep and broad, nurturing talent and enabling social mobility so that all pupils:

- develop transformational knowledge and skills that take them beyond their experience.
- strengthen their academic knowledge and cultural capital through the acquisition of a broad and deep vocabulary underpinned by a focus on Tier 2 and Tier 3 words.
- shape their character and scholarship to prepare them for life so that they can make a positive contribution to society and live safely and independently.

Our Computing curriculum intends to develop versatile, independent, safe and respectful users of technology. In line with the 2014 National Curriculum for Computing, our aim is to provide a high-quality computing education which equips children to apply computational thinking and creativity to understand and change the world. The curriculum will teach children key knowledge about how computers and computer systems work, and how they are designed and programmed. Learners will have the opportunity to gain an understanding of computational systems of all kinds, whether or not they include computers.

Our children will gain key knowledge and skills in the three main areas of the computing curriculum: computer science (programming and understanding how digital systems work), information technology (using computer systems to store, retrieve and send data and information) and digital literacy (evaluating digital content and using technology safely and respectfully). The objectives within each strand support the development of learning across the key stages, ensuring a solid grounding for future learning and beyond.