Computing in our schools

Curriculum Drivers

Ambitious: We will support children to reach their full potential in all aspects of computing and build on the skills they already have. We encourage the children to be ambitious through a variety of technology, high quality teaching, promoting high self-esteem and a strong attitude for learning.

Inclusive: We support all children regardless of their ability to access and fully engage in all aspects of computing. We do this through differentiation of objectives, expectations, and a variety of technology. We offer some children the use of technology to help them access other curriculum areas.

Knowledge Rich: We use the 'National Centre for Computing Education' to ensure our lessons are coherently sequenced and provide a knowledge and skills-based curriculum. We provide lots of opportunities for basic skills to be built on appropriately and we also link it where possible to the core story. We expose children to a variety of programs and apps to develop further skills.

Fluent: We ensure through planning that the children have the opportunity to learn a skill, practice a skill and then go back to it again in future lessons. We expose the children to a variety of computing vocabulary and use retrieval to help embed these words.

Sequencing of content

Our curriculum is informed by the national curriculum, and we follow the 'National Centre for Computing Education' for our planning. The basis of this scheme is a knowledge and skills-based curriculum. We have thought carefully about how we can use learning from across the curriculum to motivate the children's interest and make lessons relevant to them.

Diversity

In computing we expose children to a wide variety of technology. We are conscious that we have a diverse cohort of children, some with a variety of SEND needs and aim to reflect all of our children's reality and give them exposure to a wide variety of opportunities to use technology.

Big Ideas:

Skills- For children to be confident to use a variety of technology and transfer these skills from one to another.

E Safety—We want children and parents to understand how to remain safe when using technology.

Vocabulary- We want the children to have a range of computing vocabulary and the understanding of what each term means.

Retrieval practice

We understand that children need to build on previous skills in order to make sense of new learning and build upon it. Our planning sequences ensure that we recap and reinforce previously taught knowledge and skills. We encourage children to transfer the skills learnt in computing into their other lessons and everyday lifestyles.