

Computing in a Nutshell

We are passionate that our children will leave us as effective digital learners.

At Rodbourne Cheney Primary School, we deliver a carefully designed curriculum that encourages pupils to embrace and utilise new technology in an evolving digital world. We will follow the 'Teach Computing' Curriculum from the NCCE (National Centre for Computing Education) for our computing lessons. A theory-based approach combined with practical sessions underpins our curriculum to allow our pupils to understand the concepts of computational thinking and implement their skills in real world contexts while maintaining their online safety.

From EYFS through to Y6, we provide a broad, balanced, and progressive curriculum, covering the three key strands in Computing: Computer Science, Information Technology and Digital Literacy along with eight Online Safety topics; Online Bullying, Health, Well-being and Lifestyle and Managing Online Information based on 'Education for a Connected World'- Evolve Project framework.

Our aim is that each child will develop the key knowledge and skills to access technology as a tool for learning and contribute positively to the ever-changing digital world.

We want our children to be safe and good digital citizens in society, so we constantly refer to the 4R's: Respect, Responsibility, Reasoning & Resilience and the SMART rules. These skills and values are woven into our daily school life.

We embed key vocabulary throughout lessons using verbal repetition, actions and sentence stems.

During computing activities, we provide a range of investigations, key questions and scenarios to motivate and encourage active learning throughout, relating them to everyday situations.

Visitors near and far are invited to speak to parents and pupils about topics related to our curriculum and we take part in national online safety assemblies, competitions, events and clubs to broaden our horizon on relevant topics.

In Early Years, children have a variety of equipment when carrying out their learning challenges. They are encouraged to use IT daily to capture snapshots of their learning and share their work with others. The children are also able to interact with remote control toys and explore how to programme simple robots in order to make them move. They use technology in role play scenarios, and we use these opportunities to teach them how to stay safe when using technology, especially when online. This is often completed by using an online safety story or everyday scenario.