



Computing

Intent

All pupils at Newcroft Primary Academy have the right to high quality learning experiences, that balance all the aspects of the computing curriculum. With technology playing a significant role in society today, we believe that coherent planning and building on children's prior knowledge will enable them to participate effectively and safely in this digital world. Internet safety is valued a main component of the computing curriculum, technology is everywhere and plays a fundamental part in our children's lives. We want teachers to model and educate our pupils on how to use technology positively, responsibly and safely. We want children to leave Newcroft being digitally literate – able to use and express themselves in this new digital world, at a suitable level for their future school life and workplace.

Computing allows all pupils to share learning in creative ways and has accessible opportunities for all children. We teach Computing through explicit, regular lessons and embed computing across the whole school curriculum. Computing has deep links with mathematics, science, and design and technology, providing insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught how digital systems work through programming. We teach our children to become fluent with a range of tools and hope by the end of Key Stage 2, the children have the independence, vocabulary acquisition and resilience to choose the best tool to fulfil a task set by teachers.



What?

Impact

90 iPads, separate KS1 and KS2 sets and iPads.

Children have access to the tools needed to become digitally literate. Curriculum teaching is supported through a range of apps that allow children to have practical experiences, preparing them for the digital world around them. These skills are transferred across the curriculum

Safer Internet Day

This national event reminds children how to use the internet positively, responsibly and safely. Experiences like this ensure our pupils are well-equipped for the future.

Minecraft Club

Minecraft Club is ran by a HLTA, who is skilled in computing. It supports some of our children with communication and social skills. These skills are modelled to them and they are taught how to communicate effectively.

Teachers' Content Confidence

In order to ensure teaching staff are up to date with the National curriculum aims for computing, teaching staff teach a minimum of a terms worth of computing.