



OUR APPROACH TO COMPUTING

At Queensway we provide all of our children with the skills, creativity and enthusiasm to live and thrive in a world which is becoming increasingly dependant on computing. Our vision is that children know how to use technology safely and responsibly, so that they participate effectively in the digital world both inside school and in their daily life. As computing technology underpins today's modern lifestyle, it is essential that all pupils gain the confidence and ability they need in the subject, preparing them for the challenges of a rapidly developing and changing technological world.

Through computing, children will develop their understanding of how technology works, how computer systems are designed and programmed, and this will allow children to develop their computational thinking. The children have many opportunities to use technology. While all the basic IT skills are covered (e.g., making a simple Word document or using Paint programmes), the children's experience soon develops, and so at Queensway children are beginning to blog, make web pages, create computer games and animation. As they go through the school, they will explore augmented reality, social networking and coding, where they will be encouraged to generate content for younger children. We believe this gives them all the experiences they need to prepare them for 21st century lifestyles.

Using technology safely is central to our approach to learning. E-safety is embedded into our curriculum with discrete e-safety lessons taking place at the start of every term, as well as informal discussions and reminders taking place during other lesson times. Children will be taught to use technology safely and responsibly and they are taught to discuss how to report any concerns that they have with an adult. We recognise that e-safety needs to reach beyond the classroom and we offer parents workshops, so that they understand how to best support their children's use of technology at home. Technology is a key method of delivering parental communication through our regularly updated website and each class have individual blogs.

Early Years Foundation Stage (EYFS):

In the early years of study, the children may have some early encounters with a range of technology including television, iPads and technological or digital toys. The early years is therefore their introduction to refining and igniting their curiosity into technology further, as well as ensuring children use technology safely.

Children growing up today are immersed in new technologies. In the home, going shopping, at the doctors and in the street – technology is embedded in children's everyday experiences sometimes to the point where it is almost invisible to them. As part of some of their first activities with computing, we ensure children have early technology experiences such as: CD players, listening stations, talking tins, old keypads, phones, calculators, cameras and TV remotes in the role-playing areas in both Reception and Nursey. Children will also have access to Beebots, iPads, stop watches, interactive whiteboards, remote control cars and experience sharing digital books and using search engines to find out information. They will also have the opportunity to draw on paint programs and use iPads to video and take photographs.

KS1 and KS2:

Our school delivers the computing curriculum through weekly discrete lessons and cross-curricular learning. Children develop their digital literacy through using a range of technology including Beebots, iPads and laptops. Lessons are planned by following the computing progression of skills document, which is linked with the Switched-on Computing, Purple Mash and Barefoot schemes of work. Teachers will plan lessons across their year group on a termly basis and these will be adapted to meet the specific needs of their class. Teachers will use the computing assessment grids for their year group to track their classes progress and this will be regularly reviewed and completed on a termly basis.

123ICT

The school's server and computing infrastructure is maintained by 123ICT and we are visit on a weekly basis by a technician to solve any onsite issues. Any issues with technology not working correctly should be reported through the schools 'Trello' board.