

Computing

At Biddick Hall Infant and Nursery School we are committed to equip our children with the knowledge and skills to access the ever developing digital world. We aim to provide firm foundations in computer science whilst developing strong digital literacy.

Computing is taught weekly with skills being developed, practiced and applied across the curriculum. This allows our children to embed their knowledge and skills in range of contexts. These cross-curricula links have been agreed with Curriculum Leads and are included in computing planning. Whilst attending Biddick Hall Infant School our children will use ChromeBooks, Ipads, desktop computers as well as other digital hardware (camera and recording devices) and will be supported in using this technology to best meet their needs including the creation, organisation, storing, manipulation and retrieval of digital content.

Fundamental skills are taught starting in reception where children develop mouse control, keyboard skills, retrieval, saving and printing of work. They are able to access subject specific content and access creative tools for pictures and collages. These fundamental skills will continue to develop into KS1 within the google suite. Our children will also create, predict and debug simple programmes by applying precise algorithms as well as identifying uses of information technology beyond school. This ultimately prepares our children to live and be active participants within a digital world.

An essential part of our computing curriculum is e-safety which is referred to in all lessons and is discreetly taught during Internet Safety Week. In all year groups children will be taught to be safe and respectful online. Children will be given the tools to communicate any concerns they may have surrounding any content and/or contact they encounter on the internet or on a digital device, this is supported through strong links with the PSHE curriculum and Kidsafe. It is vital that children are aware that their personal information is private and this should not be shared online.

To support our computing curriculum we utilise Purple Mash, a creative online space from 2Simple. This site provides curriculum focused activities, creative tools, programmes and games to support and inspire creative learning. We also access Espresso by Discovery Education, an online platform where children are able to research curriculum resources, watch informative videos and complete relevant activities. As both Purple Mash and Espresso are online children are able to continue their learning anywhere at any time.

Specialists from ICT in School work closely with staff to ensure our curriculum and skills remain relevant and up to date. In Reception specialists from the Openzone come into school with the most recent hardware for the children to use, this includes Spheros and an ICT loan box. Children have also experienced the use of green screen technology when recording their nativity. In KS1 children visit the Openzone to explore animation and coding whilst experiencing a professional recording studio and green screen technology.