

Computing Curriculum Intent



'Inspiring Creative & Discerning Digital Citizens'

At Billingham South Community Primary School, we recognise that technology has become an integral part of our everyday lives and that it will continue to play an immeasurable role within our children's futures. Our intent is to provide the highest quality computing education possible for all of our children and to develop within them a love of technology through providing rich opportunities that equip them to use computational thinking and digital creativity to understand and change the world.

Our children will become digitally literate through developing a range of transferrable skills that will enable them to be active participants in a digital world and prepared for the world of work. We aim to encourage our children to express themselves digitally and to develop/communicate their ideas through the use of a wide range of current and emerging technologies.

By the time our children come to leave Billingham South Community Primary School, they will have gained key knowledge and skills in the three main areas of the computing curriculum: *Computer Science* (programming and understanding how digital systems work), *Information Technology* (using computer systems to store, retrieve and send information) and *Digital Literacy* (evaluating digital content and using technology safely and respectfully), ensuring a solid foundation for future learning.

Digital Citizenship and online safety underpin all areas of technology use across our school and beyond into the community. Through planned and progressive 'My Digital Life' digital citizenship sessions, our children will actively develop a clear and thorough understanding of what it means to be a positive and responsible member of a global digitally connected community.

Implementation

At Billingham South Community Primary School, computing is taught discreetly following a planned and progressive curriculum with knowledge and skills mapped carefully across key stages and year groups in order to ensure full coverage of the National Curriculum Computing programmes of study.

Computing related activities and lessons are led by class teachers in EY along with KS1, and by a specialist computing teacher at KS2 and for our Enhanced Mainstream (EMS) specialist provision pupils.

Children are provided with regular timetabled access to the school's computing suite alongside their own dedicated class sets of iPads to ensure that all year groups have the opportunity to use a wide range of devices and applications to facilitate learning within computing and across the wider curriculum.

Online learning is provided through a combination of applications that facilitate multimedia messaging as well as the opportunity to share curriculum resources and pupil/teacher feedback. Children are also able to utilise these identified online learning applications to develop their own personal e-portfolios to evidence their computing progress throughout school. Staff in turn utilise children's e-portfolios to contribute to formative/summative assessment processes.

At Billingham South Community Primary School, we constantly strive to enhance our learning technologies provision and in turn shape our computing curriculum to provide maximum learning opportunities and gains.