

## Curriculum Statement for the Teaching and Learning of Computing



At Barton Church of England Primary School we are committed to providing a curriculum that is designed to engage and inspire our pupils to become creative and independent thinkers, evidencing a love of learning and a thirst for knowledge. We aspire to promote the skills needed to persevere with learning challenges and the curiosity to enquire further.

<b>Intent</b> - the aims of our school in helping our children develop and learn.				
<p>At Barton Primary School, our intent when teaching Computing is to prepare and enable our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever-changing digital world. Knowledge and understanding of ICT is of increasing importance for children’s futures both at home and in employment. Our Computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that children become competent in safely using, as well as understanding, technology. These strands are revisited repeatedly through a range of themes during children’s time in school to ensure the learning is embedded and skills are successfully developed. Our intention is that Computing also supports children’s creativity and cross-curricular learning to engage children and enrich their experiences in school.</p>				
<b>Implementation</b> - what we do every day to encourage discussion and whole-hearted engagement of our pupils.				
<p><b>Curriculum and Skills</b> In computing, we develop pupils' computer science (the study of the principles and use of computers) through a variety of units each year, in line with the National Curriculum. Alongside computer science, the children also develop key computing skills that enable them to use technology effectively. Our curriculum is designed to encourage our pupils to</p>	<p><b>Planning and Delivery of Curriculum</b> Based upon the National Curriculum Objectives, we use a curriculum designed by ‘Purple Mash’. The curriculum is taught on a two year rolling programme. The curriculum draws skills and knowledge links across the subjects within units and topics. Children in KS2 also use Google Classroom to access their learning in class or remotely from home.</p>	<p><b>Challenge and Support</b> Teachers create a positive and enthusiastic attitude towards computing, supporting children with scaffolded and differentiated tasks and extending their learning. High expectations are set in response to the view that all children can achieve well in computing.</p>	<p><b>Enrichment</b> At Barton we support and encourage by celebrating achievements and providing opportunities for pupils to pursue their interests. We encourage pupils to think about the algorithms and programs of applications they use, developing some aspects of computational thinking e.g. using Scratch. Computing skills are used in many other curriculum subjects, supporting</p>	<p><b>Home Learning Projects</b> Each half term, children deliver a presentation to their class on an aspect of their learning that they have pursued independently at home. These projects, including IT projects, provide an opportunity for wider research in response to the children’s own interests from across the curriculum.</p>

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Believe, Nurture, Grow, Flourish Together

<p>become discerning, critical thinkers whilst ensuring they know and can demonstrate how to stay safe when working online whether at school or at home.</p>			<p>children's confidence and competence in this area of the curriculum.</p>	
<p><b>Impact</b> - how we know our teaching is making a difference</p>				
<p><b>Pupil Voice</b> Pupil voice is used to develop the computing curriculum through the questioning of pupils' views and attitudes towards computing.</p>	<p><b>Governor Voice</b> Regular meetings with subject leaders alongside classroom visits and discussions with school council and other children enable the governors to evaluate the impact of our computing provision on learning.</p>	<p><b>Assessing Developing Skills and Knowledge and Progress</b> The children's attainment and progress within a unit is assessed against the Purple Mash scheme of work. Computing content is assessed during each unit. Whilst there is no formal standardised test, the children's achievements reflect planned outcomes and attainment as measured against Age Related Expectations as set out in the National Curriculum at the end of each school year.</p>		