

Curriculum Statement for Computing

Intent	<p>Our overarching aim is to equip pupils with the key /core knowledge that they can build on through their future learning.</p> <p>At Brookfields our aim is for pupils to achieve interest and enjoyment for learning about the digital world around them; we want learners to understand how to access the world of an ever-evolving technological landscape.</p> <p>The Computing curriculum aims to prepare our pupils to use technology confidently to develop their communication, creative and independence skills. It covers aspects of computer science, information technology and digital literacy at a level appropriate to our pupils.</p> <p>Alongside computing skills we promote internet safety and the importance of <i>why</i> we need to keep ourselves safe of the internet. We aim for children to transfer this knowledge and have the confidence to implement these skills in everyday life.</p>
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implementation	<p>The teaching and learning of knowledge is carefully planned, sequenced and delivered to allow pupils maximum opportunity to learn, consolidate and expand their understanding. Teaching is of a very high quality and is informed by rigorous assessment practices whilst maximising available resources and opportunities.</p> <p>We encourage staff to incorporate technology throughout the wider curriculum and all classes are equipped with interactive whiteboards, PC's and iPads. Learners also benefit from access to a sensory light room, soft play interactive floor projector and Magic Carpet interactive projector.</p> <p>Our Computing curriculum is delivered through individual teaching, small group work and discrete computing lessons. As computing has strong cross curricular links, particularly with Communication, Maths, Science and Design and Technology we ensure that ICT resources are used across many lessons. The computing curriculum scheme of work reflects our intent through half termly objectives for each year group. Each objective relates to one of the computing areas (Computer Science, Information Technology & Digital Literacy) encouraging pupils to use technology purposefully. Teachers ensure differentiation for a range of ability and objectives are adapted to the needs of individual learners.</p> <p>Within the Explorers pathway, learning focusses on 'Thinking & Problem Solving' (EQUALS schemes of work) Pupils also develop knowledge and skills around individual communication systems e.g. LAMP (AAC) and PECS (following a sequence). Pupils experience cause and effect through a range of motivating, cross curricular activities.</p> <p>Within the Adventurers pathway, learning focusses on developing their computing skills through 'Understanding the World I Live In'. Pupils use a range of technology such as Bee Bots, Computers and iPads. We encourage children to recognise the value of using technology through termly topic themes linked to the National Curriculum.</p> <p>Online Safety is taught across our learning pathways and the key area of using technology respectfully and responsibly is revisited each year. Our curriculum equips pupils with the technological skills to be active participants in a digital world and use technology functionally to lead more independent lives. Training and information is regularly shared with all staff, pupils and parents. Raising awareness of 'being safe online' is paramount, as our pupils are particularly vulnerable within this area. Our teaching ensures pupils know who they can talk if they need help, in addition child friendly posters are displayed in every class, with guidance notes and advice. As a school we work closely with the local Police Liaison Officer who provides direct input to pupils (individuals or groups), staff and parents.</p> <p>Teachers/whole staff benefit from training in current and new technologies to enable them to have the skills to provide quality first teaching.</p>
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Impact	<p>As a result of the well-considered curriculum, high quality teaching and assessment and individualised approaches pupils achieve exceptionally well. Pupils develop knowledge and skills at a level appropriate to their development alongside all of the other qualities that we strive for all children to learn whilst on their learning journey at Brookfields.</p> <p>The Computing curriculum develops pupils' confidence, skills and understanding to aid in future learning. We want pupils to be able to independently use common technologies functionally in their everyday lives, for communication, information and pleasure.</p> <p>Impact is apparent through our pupils engaging and having fun with technology that is meaningful and purposeful to their individual needs and is measured in a variety of ways including; observation and discussion, photographic evidence, pupil voice, work produced, learning walks, B Squared: Engagement steps and Progression steps.</p>
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