



Computing at Carr Mill Primary School

Intent

At Carr Mill Primary School, Computing as a curriculum subject is a significant part of a child's education. This is because computing plays a vital role in everyone's daily lives and should therefore be at the forefront. Computing can provide both an extensive and wealth of knowledge, experience and fundamental life skills in an increasing 'online' world.

Pupils at Carr Mill are exposed to a thorough and robust computing curriculum. As our lives become more reliant on technology, exposure is essential in giving each child an equal opportunity to access online resources and hardware. Furthermore, E-Safety is at the forefront of our curriculum. The ever-adapting world of technology can expose children to many areas of risk, making a strong understanding and delivery of E-Safety essential. We will ensure that each child has a clear understanding of how to stay safe online and which procedures they should follow to protect themselves whilst using technology. Through effective teaching, research and studied pedagogy, pupils at Carr Mill are able to develop the knowledge and skills to prepare them for the rest of their lives.

Computing will be taught through a concept-led approach, the same as every subject in our curriculum. Computing will teach pupils broad concepts such as programming, online safety and sequencing. Lessons are informed by the national curriculum and are carefully planned and structured to ensure that learning is purposeful and focused in each year group, from Reception to Year 6.

Implementation

At Carr Mill, we deliver a clear sequence of learning which is built upon each year, allowing children to become more confident and proficient in Computing through re-visiting prior learning and extending it. Each class has access to iPads and laptops, all of which help support children's understanding of the practical use and application of their skills.

Online safety is woven throughout the year using resources from Common Sense Media to ensure pupils can keep themselves safe online. Online safety is focused on during Safer Internet Day (which takes place in February each year) and provides an important platform for discussion around a particular theme relating to staying safe online. These resources are shared with parents regularly.

Pupils' learning is further developed by the availability of technology clubs that take place after school.

Impact

Our curriculum aims to improve the skills that fall within the three areas of the National Curriculum: Computer Science, Information Technology and Digital Literacy. Within lessons, children are given the tools they need to traverse the online world, understanding the importance of staying safe online in addition to developing their practical skills and knowledge.

Therefore, our impact is to motivate children to utilise these underpinning skills in an independent and effective way in order to allow them to feel confident, safe and proficient in an ever-changing online and technology-based world.

Staff are provided with regular CPD opportunities.