



STATEMENT OF INTENT

COMPUTING

Our School Vision

An Inclusive Community Inspiring Life Long Learners

Intent

At Alderley Edge Community Primary School, we aim to prepare 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 future both at home and for 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. We build on the outcomes in the EYFS and through the National Curriculum work to achieve these goals. Our intention is that Computing also fully supports our core drivers of academic excellence, life-long learning, possibilities and risks and social intelligence so that the children are equipped to carry on learning beyond their primary education. Through computing we will develop the children's creativity and cross curricular learning to engage children and enrich their experiences in school.

Implementation

Our whole curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability, additional needs, to flourish to develop the knowledge and skills to be life-long learners. We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. To ensure a broad range of skills and understanding, Computing is taught across three main strands: digital literacy, computer science and information technology. As part of information technology, children learn to use and express themselves and develop their ideas through ICT for example writing and presenting as well as exploring art and design using multimedia. Within digital literacy, children develop practical skills in the safe use of ICT and the ability to apply these skills to solving relevant, worthwhile problems for example understanding safe use of internet, networks and email. In computer science we teach children to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. Also to analyse problems to computational terms, and have repeated practical experience of writing computer programs in order to solve such problems. We also teach a progression of Computing vocabulary to support children in their understanding. At Alderley Edge Community Primary School, we give children access to a wide range of good quality resources and provide cross curricular opportunities for children to apply their Computing knowledge and skills. Online safety is taught within each Computing lesson as well as being taught as a unit each year. Online safety is also covered in other curriculum areas such as person, social and health education and through Internet Safety days. Online safety procedures are communicated with all staff and parents.

Impact

The implementation of this curriculum ensures that when children leave Alderley Edge Community Primary School, they are competent and safe users of ICT with an understanding of how technology works. They will have developed skills to express themselves and be creative in using digital media and be equipped to apply their skills in Computing to different challenges going forward. They will know how to navigate the digital world safely and be prepared to overcome any difficulties they may face in their futures.