Computing – Intent, Implementation and Impact Statement

Intent

It is our intention to enable children to find, explore, analyse, exchange and present information whilst also developing the skills necessary to use information in an effective way. We want children to leave primary school computer literate and with career aspirations that utilise the skills taught in primary school, allowing them to achieve their potential. Children should find the subject fun and engaging and know the real-life benefits it offers. They will have experiences of using programs such as Microsoft Word, Excel and PowerPoint in order to effectively present information. We want pupils to analyse problems in computational terms and have repeated practical experience of writing computer programs in order to solve such problems. We will deliver a computing curriculum that prepares pupils to: use technology safely, respectfully and responsibly, be aware of unacceptable behaviour and raise concerns if required

Implementation

Computing lessons are taught using the National Centre for Computing. This provides staff with clear and effective, cross curricular, schemes of work that provide coverage in line with the National Curriculum. Teaching and learning facilitates progression across all key stages within the strands of digital literacy, information technology and computer science. Children have access to resources which aid in the acquisition of skills and knowledge. Children have access to the hardware (30 laptops, 4 iPads, programmable equipment) and software that they need to develop knowledge and skills of digital systems and their applications. Children will have the opportunity to explore and respond to key issues such as digital communication, cyberbullying, online safety, security, plagiarism and social media. Wider Curriculum links and opportunities for the safe use of digital systems are considered in wider curriculum planning through PSHE. The importance of online safety is continually reinforced by class teachers and Project Evolve resources are used to teach this element in detail. We maintain positive relationships with parents and provide them with workshops to inform them about online safety issues that might impact their children and provide ongoing support and further information when required.

Impact

Children will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home and in school. They will be able to use a variety of programmes to process and display information; skills they will use in life in an ever-increasing digital society. Children will have a secure and comprehensive knowledge of the implications of technology and a variety of digital systems. Children will be able to apply the British values of democracy, tolerance, mutual respect and rule of law when using digital systems.