

Computing Curriculum 2022

Vision:

At Sacred Heart we intend to prepare our learners for the future by giving them life skills and opportunities to gain knowledge and develop skills that will prepare them for an ever changing digital world. Our Computing curriculum focuses on the progression of skills in digital literacy, computer science, information technology and online safety. This will ensure the children will become competent in safely using, as well as understanding technology.

We want children to become autonomous, independent users of computing technologies, gaining confidence and enjoyment from their activities. Children will repeat these strands throughout their learning with us so that the learning is embedded and skills are developed. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

We want children to develop skills through our computing lessons; including creativity, resilience and problem-solving and critical thinking skills. We want our pupils to have a breadth of experience to develop their understanding of themselves as individuals within their community but also as members of a wider global community and as responsible digital citizens.

Action:

The computing curriculum ensures children are building on their skills year by year. Computing provides coverage in line with the National Curriculum. The progression of skills is taught within strands of digital literacy, information technology and computer science. These strands are also covered using cross curricular links where children are able to apply their learning. The curriculum facilitates progression across all key stages within the strands of digital literacy, information technology and computer science. Children will have the opportunity to explore and respond to key issues such as digital communication, cyber-bullying, online safety, security, plagiarism and social media.

Children have access to hardware they need to develop knowledge and skills of digital systems and their application. This includes computers and tablets. The children have access to a computing suite and can access computers and iPads in

classrooms. By having access to both keyboards and touchscreen devices, children can develop a range of skills needed for future learning and workplaces.

There are wider Curriculum links and opportunities for the safe use of digital systems considered in wider curriculum planning. This can help children to develop their skills across the school and apply what they have been taught in the computing curriculum.

The importance of online safety is shown through displays within the learning environment and computer suite. Parents are informed when issues relating to online safety arise and further information/support is provided if required. Online safety lessons are taught in discreet lessons and as a school we use a range of outside agencies, assemblies and parent meetings to supplement and extend knowledge and understanding. As well as opportunities underpinned within the scheme of work, children will also spend time further exploring the key issues associated with online safety when needed.

Impact

The implementation of this curriculum ensures that when children leave Sacred Heart 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.