

Computing and Online safety at Cecil Gowing

Intent

At Cecil Gowing Infant school we believe that children are active, confident participants in their learning who want to explore and learn about the modern world around them, and we provide them with opportunities and transferable skills, as they transition into adults. We believe that Computing is a huge part of modern life and our pupils need to understand how it both impacts and enriches their lives. At the heart of Computing, the curriculum is engaging and meaningful to ensure that it is inclusive for all pupils. In addition, our curriculum develops pupils' communication skills by learning how to keep themselves safe online through being able to recognise both the opportunities and threats posed.

Implementation

The children in EYFS have access to explore a range of technology that they see modelled in their lives. This exploration then transfers into applied knowledge in Year 1 and Year 2. The children have many opportunities to learn through a range of practical activities and exploration using iPads, interactive whiteboards, Bee Bots, apps and cameras.

In KS 1, the children explore the 3 strands of computing, computer science, information technology, and digital literacy.

In Year 1 the units we focus on, are online safety, grouping and sorting, algorithms, animated story books, coding, and technology outside school.

In Year 2 the units we focus on, are online safety, effective searching, coding, creating documents, (spreadsheets, pictures and word documents).

In KS1 the children are encouraged to embrace technology and learn to understand how to use a wide range of both software and hardware connected to their daily lives. They explore computing through cross-curricular activities and have access for independent learning. Online safety is also taught throughout the year in a range of different ways, assemblies, books and units of learning.

Impact

At Cecil Gowing we feel computing teaches our children to be happy and confident in their use of technology and computing and be able to know the steps to take if something makes them feel unsure, allowing them to grow in confidence with their own skills. This in turn will allow them to make safe choices growing into adulthood. Through our computing curriculum children will be able :

- to become adaptable and open-minded to change with the ever-evolving world of technology and being prepared for their future lives
- to develop their problem-solving skills which allow the children to think creatively to find solutions both independently and within a team environment
- to start to become analytical when challenges arise and learn to solve problems in an effective way
- to build positive relationships with the world online and understand how to communicate effectively, as well as managing conflict appropriately
- to become respectful and tolerant within the online community.
- to embrace technology and learn to understand how to use a wide range of both software and hardware connected to their daily lives
- to set clear expectations in their approach to lessons and be confident and happy that they can use technology to aid their learning
- To see role models to demonstrate a love of technology but to realise it doesn't always go to plan and there are ways to overcome this.