

Curriculum Statement

Computing

Hooked on Thinking

Working With and For Local Families



Intent – Computing at Hindhayes

Recent research used to inform practice: **National Centre for Computing training, Somerset ELLiM**

Developing computer literate pupils at Hindhayes:

It is our intention to enable children to develop their digital literacy. We want children to know more, remember more and understand more in computing so that they leave Hindhayes ready for the next stage of their computing education. Computing skills are a major factor in enabling children to be confident, creative and independent learners and it is our intention that children have every opportunity available to allow them to achieve this. We intend to develop a computing curriculum that provides as many cross curricula opportunities as possible this will enable pupils to improve, develop and embed the computing skills and knowledge taught through focussed computing lessons. We intend to build a computing curriculum that prepares pupils to live safely in an increasingly digital British society where pupils can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.

Implementation

- A clear and effective scheme of work that provides coverage and progression in line with the National Curriculum.
- Teaching and learning should facilitate progression across EYFS and key stage 1 in digital literacy, information technology and computer science
- Access to resources which aid in the acquisition of skills and knowledge.
- Children will have access to the hardware (computers, tablets, 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 and social media.
- Wider Curriculum links and opportunities for the safe use of digital systems are considered in wider curriculum planning.
- The importance of online safety is shown through displays within the learning environment and computer suite and regular assemblies.
- Parents are informed regularly on how to help keep their child safe online
- As well as opportunities underpinned within the scheme of work, children will also spend time further exploring the key issues associated with online safety.

Cultural Capital

- Children will be taught about historic figures such as but not limited to Alan Turing, Ada Lovelace and Tim Berners Lee who were involved in computing progression.

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.
- Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technology and its use are rapidly evolving.
- Children will be able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems.