

Subject: Computing

Intent: At Hensingham Primary School, our computing curriculum is designed around the four key areas, as outlined in the National Curriculum. These are **computer science, information technology, digital literacy** and **online safety**. The combination of these areas equips our children with the ability to safely and confidently use a computer/technology for a range of purposes.

Implementation:

- 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
- A clear and effective scheme of work that provides coverage in line with the National Curriculum.
- Teaching and learning should facilitate 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.
- 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.
- Parents are informed when issues relating to online safety arise and further information/support is provided if required.

Impact:

- Learners are enthusiastic and confident in their approach towards Computing.
- Learners present as competent and adaptable 'Computational thinkers' who are able to use identified concepts and approaches in all of their learning.
- Children are able to identify the source of problems and work with perseverance to 'debug' them.
- Children can create and evaluate their own project work.
- Children have a secure understanding of the positive applications and specific risks associated with a broad range of digital technology.
- Year 6 can transition to secondary school with a keen interest in the continued learning of this subject.

School key strand links -

- Creating a language rich environment
- Mathematics (pictograms, direction, data, shapes)

Planning:

The basis of our planning comes from Teach Computing, this follows the National Curriculum. This is used to support us in creating fun, engaging and memorable lessons.

Next Steps:

- Ensure evidence of learning is recorded via floor books.
- Introduce and develop activities at the end of a unit to assess impact of learning

SEND: Lessons and activities are planned to include all children by using a range of approaches. This includes: questioning, use of equipment, and mixed ability grouping to enable children to offer peer support. Lessons are planned to facilitate the best possible outcome for all children within the class.

Cross curricular links:

Use of writing through English where it lends itself to units (e.g explanations, instructions). Maths is incorporated through statistics (pictograms, data logging and direction). Reading and comprehension skills are use throughout each lesson when reading documents to support learning. Creating media on software such as paint and 3D drawings links with some basic art skills. Embedding skills learned through using laptops and ipads through all other subjects in the primary curriculum.

Monitoring and Assessment

- Formative assessments with verbal feedback throughout lessons
- Floor book looks, learning walks, pupil interviews, staff meetings
- In the Early Years, children's learning is recorded via adult observations and recorded on Tapestry. This comes under 'Understanding the World'.