Curriculum Intent Statement

ICT
at
St Paul's Peel CE Primary School

Intent

Within an ever changing and technological world, St Paul's Peel C of E Primary School understands and values the importance of teaching Computing from a young age. We acknowledge that future generations will rely heavily on their digital and computer skills in order to support their progress within their chosen career paths.

Therefore, it is our school's aim to equip children with the relevant skills and knowledge that is required to understand the three core areas of Computing (Computer Science, Information Technology and Digital Literacy) and to offer a broad and balanced approach to providing high quality teaching of this subject.
Computing is an integral part to a child's education and everyday life. Therefore, we intend to support our pupils to access and understand the core principles of this subject through engaging and cross-curricular opportunities.

The teaching objectives for Computing at St. Paul's Peel C of E Primary School are:

- To instil an enthusiasm and appreciation of Computing via engaging and well-planned lessons, allowing children to use their skills to create and develop new ideas.
- To implement a scheme of work, in conjunction with the National Curriculum, which provides progression and a breadth of knowledge across all year groups.
- To ensure that teaching staff have access to subject relevant CPD in order to deliver sessions with confidence and to help identify areas in which they can use computational skills within a cross-curricular approach (as part of their termly topics).
- To identify real world examples and creative challenges in which pupils can explore and extend their understanding of the fundamental principles and concepts of Computing.
- To ensure that pupils develop a respectful and responsible attitude towards using information and communication technology, especially with regards to their own and other's safety.
- To provide a safe space in which pupils can navigate and interact with the digital world, whilst exploring their own personal expression and identity.

Implementation

In order to achieve the outlined intentions, the Computing curriculum is continuously reviewed through monitoring and evaluation by the Subject Leader and Senior Leadership Team. Teachers demonstrate a high level of enthusiasm for the subject content and their expectations of the pupils are driven by the subject progression grid. This has been written with the three core areas of Computing in mind:

- **Computer Science** – the understanding of coding and programming across a range of physical devices and digital resources.
- **Information Technology** – the range of skills required to operate and manipulate specific programs, systems, and content.
- **Digital Literacy** – the knowledge required to use technology safely and to evaluate and react to any potential risks of the online/digital world.

The National Curriculum provides the basis for the progression and here at St. Paul's Peel we have opted to implement the Purple Mash Computing curriculum as we have found it to be relevant to and appropriate for our learners. We recognise the relevance of safe internet practices and to that end we participate in internet safety initiatives and host internet safety classes and share this knowledge by inviting parents to sessions at our school. Cross-curricular opportunities are identified in order to ascertain links between termly topics and to ensure that Computing is not just seen as a standalone area. Staff are encouraged to share any gaps in their knowledge and skill sets to inform appropriate and individualised training/CPD.

In our teaching of Computing, we endeavour to expose students to a variety of software, programs, and equipment in order to offer a range of appropriate challenges and experiences. Pupils have access to ipads and notebook computers in the classroom and are able to develop their skills across both of these platforms. Specific vocabulary for each year group is outlined in the progression grid and this is regularly modelled by teachers within their lessons. Spaced repetition within the curriculum allows pupils to develop their recall of embedded knowledge and ensures that each year group works on core aspects of the three Computing strands.

Impact

Within Computing we encourage a creative and collaborative environment in which pupils can learn to express and challenge themselves. The success of the curriculum itself will be assessed via the analysis of learner's progress data, lesson observations and skills audits. This will then inform future adaptions of the schemes of work and help to ensure that progression is evident throughout school.

In order to demonstrate that we have accomplished our aims, pupils at St.Paul's Peel C of E Primary School should:

- Be enthusiastic and confident in their approach towards Computing.
- Present as competent and adaptable 'Computational Thinkers' who are able to use identified concepts and approaches in all areas of their learning.
- Be able to identify the source of problems and work with perseverance to 'debug' them.
- Create and evaluate their own project work.
- Have a secure understanding of the positive applications and specific risks associated with a broad range of digital technology.

Transition to secondary school with a keen interest in the continued learning of this subject.