



Stretton CE Academy

Computing Curriculum Statement

Intent

'Let your light shine' Our vision for our community is for everyone, children, and adults, to flourish and shine brightly as the best and fullest version of their unique selves. We aim high and do not let circumstances limit us. 'I will shine. We will shine as, together, we grow in wisdom, learning from the teachings of Jesus, to serve our community.' Our curriculum has been designed to allow children to let their light shine in a variety of different ways.

The Computing curriculum at Stretton CE Academy will ensure that all children leave our school with a love, understanding and a deep body of knowledge for Computing and technology, and how this impacts on the world in which we live. We believe Computing is essential to ensure we develop future generations who can contribute fully to society and the workplace.

Our curriculum is sequenced coherently using the Teach Computing Curriculum Scheme of work created by The National Centre for Computing Education, so that our pupils will have the confidence and motivation to continue to further develop their skills into the next stage of their education and life experiences. Progressive keyboard and computing skills are interweaved throughout the scheme and are then used to support learning in a cross curricular capacity.

This is facilitated by providing quality digital equipment, age-appropriate Apps and software, laptops and iPads. Each unit also ensures that the pupils are taught about being safe when using Computing so that they can become responsible digital citizens. Children have one-hour weekly lessons in Computing throughout Key Stage 1 and 2. as well as cross-curricular opportunities to practice and apply their learned skills and where appropriate, computing lessons may be linked with that year groups theme.

Implementation

The Teach Computing scheme of work model allows children to build upon their prior knowledge and increases their enthusiasm for the topics whilst embedding this procedural knowledge into the long-term memory so that children know more and remember more.

In Early years, Computing is taught through the children learning about the world around them in their learning through play and is covered under the 'Understanding the World' area of the EYFS curriculum. Computing is introduced through activities that encourage children to be creative and explore digital equipment and software, as well as to use technological toys with pulleys, knobs, lifting parts or pressing parts to achieve effects.

Children will also take part in opportunities to learn about staying safe whilst using the internet and other digital resources in order to become responsible digital citizens. These activities are planned around the children's interests.

At Stretton CE Academy, in conjunction with the aims of the National Curriculum, our Computing teaching offers opportunities for children to:

- Experience high quality learning experiences through a broad and balanced Computing and Safer Internet curriculum.
- Develop an understanding of key computing skills and knowledge and how this can be applied to everyday life experiences.
- Inspire a love of computing and technology.
- Understand how computing and technology can help make sense of the world around us and solve everyday problems and questions.
- Experience real life examples to embed skills, knowledge and understanding of technological concepts.
- Understand how to keep themselves as individuals safe as well as systems when using technology.

We are an inclusive school which ensures children, and staff, never stop learning; we set high expectations and aim to support individuals during every step of their journey to become technological thinkers.

Impact

Assessment of computing takes place through assessing children's skills and knowledge through predominantly the work in their practical lessons and their 'final pieces'.

Following a unit of work a multiple - choice quiz may be undertaken so that children are able to demonstrate their ability to know more and remember more.

Monitoring is carried out with staff as a collaborative and developmental approach. A variety of methods are used to quality assure the quality of provision in computing and information is triangulated to provide a well-developed evaluation. These methods include:

- Learning walks/pop ins
- Pupil voice
- Digital book look
- Pupil progress meetings
- Learning environment checks