



Huntley C of E Primary School

Computing Curriculum

School Vision

Nurtured individuals, learning together with God's love, to live life to the full.

Core Values

Respect, Perseverance and Courage.

Living Values

Creativity, Wisdom, Compassion, Truthfulness, Generosity, Responsibility, Friendship, Service, Justice, Peace, Thankfulness, Forgiveness.

Computing Curriculum Statement of Intent

At Huntley C of E school, we endeavour to provide our children with a rich, purposeful and progressive computing education that promotes and inspires confidence to use digital technology effectively and safely.

Our computing curriculum encourages children to use technology effectively to collect and analyse data, explore computer systems and networks and become increasingly confident to appropriately and safely use computational thinking, creativity and vocabulary to understand and explain the changing world.

Through a range of programmes the children will develop a range of skills to help them organise data, images and other media and present their ideas. Safe use of the internet is a key feature of the curriculum and the close links to the Relationship and Health Education curriculum objectives, mean that we help the children to be questioning and safe internet users.

We want our children to take full advantage of the world wide web and the opportunities it can offer. We use the technology to found out about different times, people and cultures and to link to our year six pen pals in South Korea.

We want our children to be aware of and embrace the technological advances of the future and to understand the contributions of key individuals.

They will have secure computing skills and the understanding to be successful in their next steps. Our computing curriculum equips all of our children with effective skills of communication giving them opportunities to express and explain their ideas. We will progressively develop the vocabulary linked to the curriculum so ensure that children can share ideas effectively.

The range of computing experiences we provide will help to develop our children's self-esteem and strengths as a learner, helping them develop the skills across all curriculum areas.

Computing Curriculum Implementation

The National Curriculum (2014) is used to inform our planning through the 'teach computing' scheme. At our school, computing is taught in our class groups (EYFS/Y1, Y2/Y3, Y4/5 and Y6) during discrete computing lessons and for research and communication purposes across the curriculum. We teach discrete coding lessons through Scratch Junior in Key Stage 1 and Scratch in Key Stage 2. This ensures a good coverage and progression in coding skills. Our discrete coding lessons provide children with skills in programming, debugging and running programs. Children's understanding develops and builds on previous learning from the unit before.

Research skills are frequently utilised to develop children's independence to use the internet effectively and safely, whilst making discoveries for themselves to help them to be proud of their learning. Digital technologies, such as photography, video and sound recording are also used across the curriculum to support children's learning.

Our curriculum also provides children with the opportunity to use various word processing and communication programs to demonstrate their learning. These skills are progressive.

We follow a long-term plan devised by our PSHE lead to ensure coverage of internet safety. These plans include lessons and resources from the NSPCC CEOP. We use Relationships or Health Education curriculum or discrete internet safety lessons to highlight the importance of safe internet use to ensure children are well equipped to use technology inside and outside of school.

To show children the wide-reaching effects of computer technology, each class has a notable person as their main focus for each term. These renowned people often include those from the field of computing and technology. This opens children's eyes to the opportunities, possibilities and importance of technology in our wider world.

Impact- What we want the outcomes to be

We want our children to:

- Be confident using a computer to communicate their ideas in different forms.
- Safely, appropriately, and effectively use the internet for research and have an awareness of the opportunities that the internet presents.
- Be aware of the dangers associated with internet use and be independent in keeping themselves safe online.
- Take photographs, videos and sound recordings and manipulate them confidently.
- Be able to create and manipulate programs for a range of purposes.
- Be confident and articulate computer engineers who can share their understanding and experiences with others.
- Recognise some key figures and important people in the world of computing and use their influences to inspire a love and appreciation of computer technology.