



How Computing SHINES - Our Vision

The SHINE Curriculum in Computing

S -Stimulating enquiring minds by providing rich and relevant experiences, purposeful and connected learning, and creative thinking.

- Our Computing curriculum is built upon the main 3 strands: Digital literacy, Computer Science and Information Technology.
- We provide a broad and rich bespoke curriculum which encourages pupils to retain and develop interest and enjoyment in Computing and a natural sense of curiosity about the technology around them.
- In Computing lessons we create relevant experiences using IT software such as Microsoft Word, Powerpoint and Excel.
- Computational thinking links to real life context, making it purposeful, which encourages inquisitive well-rounded individuals with their happiness and futures at heart.
- To enforce connected learning, there are many cross curricular links with English, Maths, DT, Music, Art, PSHCE and many more subjects. We reinforce these links, for example, in Geography, the children are given an opportunity to use ICT for research purposes for a comparison study of two countries. We also encourage homework activities to be completed using their ICT skills.
- EYFS allows creative thinking to take place, with the children allowed time to discover how things work.
- EYFS provide open ended stimulating resources/outdoor to promote creative thinking and develop curiosity.

H -High expectations and excellence delivered rigorously through well sequenced subjects, progression in generative knowledge, rich vocabulary, concepts and skills, so pupils know more and remember more.

- We revisit National curriculum objectives throughout the school curriculum map in order to extend and consolidate previous knowledge.
- Generative knowledge is developed through the use of vocabulary checks at the start of a lesson, along with retrieval practice opportunities every lesson.

- We base our teaching and learning style in Computing on the key principle that Quality First Teaching allows children access to a body of knowledge and skills which are essential to their understanding of the world around them.
- We provide opportunities which challenge pupil's knowledge, vocabulary and skills through engaging and exciting lessons.

I – Inclusivity and flexibility which allows us to cater for individual needs, abilities and interests.

- We have modified the Computing curriculum to suit our children, their learning needs and their future.
- SEND, disadvantaged and less able children are supported through scaffolded learning and personal short-term targets are set. .
- GAPS and challenge are used as well as support to promote accelerated learning for all children.
- Mixed ability groups encourage, support and provide modelling opportunities for children throughout the lessons.
- Our children will receive a wide range of experiences and cross curricular opportunities to develop their learning and enhance their understanding of wellbeing.

N -Nurturing strong, lifelong learning behaviours- resilience, risk taking, independence, perseverance, and pride in success

- Our children are encouraged to challenge themselves, take risks through investigation opportunities and to persevere by reflecting on their outcomes- paired and group enquiry encourages this.
- Every child is valued and given the opportunity to 'Shine' through celebrating achievements and take pride in their success.
- We encourage computational thinking, including open-mindedness (child led tasks) and perseverance, allowing the children to discover the uses of technology.
- We celebrate achievements through examples of excellent work and displays.

E -Encompassing the whole child- developing their faith, values, spirituality, health and well-being and understanding the world we live in, their future in our culturally diverse community and country where equality and tolerance is promoted.

- We aim to stimulate a thirst for further learning and knowledge by building up a body of computing knowledge and understanding which will serve as a foundation for future enquiry and modern life in Britain.
- We encourage confident, caring, respectful and responsible citizens within group work during computing lessons and consequently equip life-long learners.
- We support the engagement of children and parents in building transferrable skills in science which can be used in application across other curricular areas.