



Curriculum drivers

Relevance: Computing will be embedded across the curriculum making learning creative and accessible. We understand the importance of technology opportunities for all our pupils and where possible will aim to use up to date technologies and experiences. We will look at how we are connected via technology to our community and the wider world.

Curiosity: Our children will have opportunities to explore computing beyond their experiences. They will evaluate and apply information to new and unfamiliar technologies. They will be encouraged to explore when technology can be used to enhance their learning.

Knowledge: Our computing curriculum encourages children to understand the principles of information and computation, how digital systems work and how to put this knowledge to use through real life situations and problem solving. Our children will be encouraged to build upon their knowledge, understanding and skills in online safety, programming, handling data, multimedia and technology in our lives. We will model and educate our children on how to use technology positively, responsibly and safely so that they are able to be active participants in a digital world.

Fluency: Our children will be encouraged to express themselves and develop their ideas through information and communication technology, preparing them for their future learning and career. Our children will be taught to confidently use the precise technical vocabulary to discuss their learning.

Sequencing of content

Our units of online safety, programming, handling data, multimedia and technology in our lives ensure that learning is embedded and built upon across the phases.

A range of key skills are taught across the phases giving opportunities to deepen knowledge and understanding.

Online safety is considered as part of all computing lessons and activities across the curriculum involving technology.

Big ideas

- Learn to design and write simple computing programs.
- Have the opportunity to use a variety of different software on a range of digital devices.
- Understand how technology is used beyond school.
- Gain the confidence and ability to prepare them for the challenge of a rapidly developing and changing world.

Diversity

We will ensure that everyone has access to technology in school according to their needs.

We will promote role models from a variety of backgrounds, gender and ethnicity who promote positive use of technology and work in wider society.

We will use technology to help our children to have a window into a wider world both in computing lessons and all areas of the curriculum.

Retrieval practice

Children will take part in regular retrieval practice activities to deepen their understanding

Children will have opportunities to re-visit previously used apps/software when appropriate.

Lessons will start with retrieval linked to the previous lesson taught in that unit.

Remembering knowledge is celebrated through our "R" Resourceful.