COMPUTING intent, vision and drivers

At Scotforth St Paul's CE Primary and Nursery School, our vision flows through everything we do because we want the very best for all of our children. We provide a broad and balanced curriculum that is inclusive and accessible to all, with a clear progression so that children can build on previous learning and make links to help them develop key skills and knowledge.

Intent for Computing

The use of computers and computer systems is an integral part of the National Curriculum and knowing how they work is a key life skill. In an increasingly digital world there now exists a wealth of software, tools and technologies that can be used to communicate, collaborate, express ideas and create digital content. We recognise that pupils are entitled to a broad and balanced computing education with a structured, progressive, approach to the learning how computer systems work, the use of IT and the skills necessary to become digitally literate and participate fully in the modern world as digital citizens.

Scotforth St Paul's CE Primary and Nursery School Vision

Learning, growing and caring as part of God's family.

Jesus (the gardener) nourishes and tends us as we learn and grow, so that we can all flourish. As a vine, we are one, but all unique and special to Him. We care for each other, as God cares for us.

Our vision helps us see that whatever subject we are studying, we can **learn** new skills and knowledge, **grow** as a well rounded person and **care** for ourselves, others and the world, as part of God's family.		
Learning in Computing	Growing in Computing	Caring in Computing
Children in EYFS access a broad, play-based experience of IT and computing. Later, the children learn how to use computers and digital tools safely and responsibly. Computational thinking skills are taught that will benefit them throughout their lives. The children will learn to select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish goals.	Computing teaches essential life skills necessary to fully participate in the modern digital world by teaching children to become creators of digital content rather than simply consumers of it. Computing is great for teaching children to collaborate and communicate with others.	Online safety very important in Computing. We learn that we should still treat everyone with the same respect when we are online as we do when we are offline. We also learn to protect ourselves online by keeping passwords safe and hard to guess, not sharing personal imformation and how to respond when something happens that isn't right.

When revising our curriculum and making it the best possible for the children at Scotforth St Paul's, we identified certain drivers: resilience, independence, local heritage and the wider society. Below are examples of how these can be focused on within Computing.

Resilience	Independence	Local Heritage	Wider World
Computer science requires resilience as we learn to debug the algorithms we create if they don't work. In Online Safety, we learn how to respond if we see something that is not right.	We learn to navigate computers and other devices so that we are able to access programs independently to enhance and enrich learning in other areas of the curriculum using IT and computing.	Learning/researching about our local environment can be achieved through the use of computers before leaving the classroom. Lancaster University students often run coding clubs in school.	Learning to use software such as Google maps/Google Earth and other online resources allow children to learn and experience places around the world. Learning how to communicate online will allow them to communicate with people from all around the world as adults.