

Computing at Thrupp Primary School

Intent:

We intend to prepare the children at Thrupp to be confident and capable within a world that is increasingly shaped by technology. We believe it is paramount that children develop the knowledge and understanding to enable them to use technology to aid their **curiosity** and use computing skills in everyday life, whilst in education and beyond.

We aim to develop **aspirational** and **resilient** learners who are fluent in their understanding of computer science by teaching them how to use a range of programs where they are able to design, create and **reflect** upon their work.

At Thrupp, we ensure our children are aware of the importance of internet safety, with it being a key focus in each year group across the terms. Due to this, our children have a great knowledge and understanding of how to stay safe online.

Our aim is for our children to leave our school with a developing digital literacy and an excellent knowledge of e-safety; preparing them for their future in our modern society.

Implementation:

Our Computing curriculum at Thrupp is designed to develop digital fluency progressively from Reception through to Year 6, using Purple Mash schemes of work and a variety of programming languages such as Scratch and Micro:bit. In Reception, students explore basic digital skills and creativity, using technology to support their curiosity and expression. As students move into Year 1, they develop foundational Digital Literacy, learning about the role of technology at home and school, while also beginning to manage their work files and keep their login information safe. In Key Stage 2, students broaden their abilities in Information Technology, learning to create, manipulate, and evaluate digital content. By Year 6, students tackle more complex Computer Science tasks, such as programming, testing, and debugging, while also refining their ability to think critically about digital information. Internet safety remains a key focus throughout, with students gaining a thorough understanding of how to protect their privacy and engage responsibly online. Our curriculum encourages creativity, critical thinking, and resilience, ensuring students are fully equipped for future challenges in the digital world.

Impact:

By the end of Year 6, students at Thrupp will have developed a strong foundation in Computer Science, Digital Literacy, and Information Technology, preparing them to use technology confidently in a variety of contexts. They will be skilled in creating, evaluating, and manipulating digital content, from simple projects in Year 1 to more complex programming tasks in Year 6. Students will have a comprehensive understanding of e-safety and the importance of responsible online behaviour, enabling them to navigate digital spaces safely and respectfully. Equipped with these skills, students will leave Thrupp as resilient, informed, and ethical digital citizens, prepared for the future and ready to engage with the rapidly evolving digital world with confidence and responsibility.