

Computing

S T A T E M E N T O F I N T E N T



At Mytham we want all children to enjoy and build upon their technological skills and computing knowledge during their time here. We want to equip children with the knowledge and skills to be prepared for the next step in their academic journey. We aim to spark an interest and develop skills that children will use in our ever changing digital world. Children will be offered the opportunities to further develop these skills through new technology, external experiences and extra-curricular activities.

Our Computing curriculum focuses on a progression of skills in Digital Literacy, Computer Science, Information Technology and Online Safety to ensure that children become competent in safely using, as well as understanding, technology.

These strands are revisited repeatedly through a range of themes during children's time in school to ensure the learning is embedded and skills are successfully developed. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

The subject leader will work closely with Bolton Schools ICT (a team of dedicated professionals who offer support and guidance) to support distribution of high quality, appropriate resources and planning to provide the effective teaching and learning for other staff within the school.

Children will access 12 hours of taught computer sessions over each term. All children will have access to a computing device (laptop, iPad or linked programmable device) to work on during this time. Hardware will be kept in good working order to support the effective teaching during computing lessons. In EYFS and KS1 children will use simple programming skills to direct a floor robot for a purpose. In KS2 the children will develop their coding skills through Scratch, they will also visit Smithills ICT centre for some of their units. Each Year group will also focus on a Technology Pioneer, Alan Turing (Year 6), Hedy Lamarr (Year 4), Tim Berners Lee (Year 2).

During the summer term a consolidation project is planned in, offering the children to show off the skills that they have learned over the year, as well as building upon learning in previous years. Children will use technology to purposefully to create, organise, store, manipulate and retrieve digital content.

All pupils, especially those who are vulnerable or who have SEND, will have access to all areas within the computing curriculum.

Our progressive computing curriculum encourages a metacognitive skill cycle through the use of technical language and technological skills that are introduced and focussed on within each year group.

Our approach to Computing will be hands on, developing problem solving skills and building resilience. We aim to engage and enthuse children with real life application of their skills, building for their future learning. Children will begin to know that with their knowledge and creative thinking they can do whatever they put their minds to.