Computing Intent Statement

At Chaucer Infant and Nursery School, we understand the importance of preparing children for the ever-changing world in which we live. Technologies have evolved in many ways over the years, and are continuing to change rapidly. Knowledge and understanding of ICT is of increasing importance for children's future both at home and for employment. We want to equip the children with the confidence to use ICT effectively and safely, in a way that gets them excited and develops their independence.

Our intention is that children become creators not just consumers of digital content. Children will build their knowledge base whilst showing the real-life applications of coding. They will learn to troubleshoot technical problems both in software and hardware, allowing them to feel independent and to feel confident applying this knowledge to new applications, using problem solving skills and experience with prior applications.

Children will understand how to navigate the digital landscape safely, identifying our digital footprints and knowing not all sources can be trusted. They will be aware of how and when to report concerns.

Key Learning

Use(Digital Literacy)	Understand	Create	Evaluate (throughout)
To be able to choose appropriate software. To be able use a range of apps, programs or pieces of software that are designed to fulfil a particular purpose independently.	To understand how apps, programs or software work and be able to explain how. To understand the concept of algorithms (they only do what you tell it to). To understand how to stay safe in the digital landscape.	To create and manipulate programs using pre-existing software. To create common document file types; (eg. word, publisher)	Reflect on work created, by self or others, to identify logical (step-by-step) approach to creating. To aid problem solving by learning how to identify and alter areas to improve their own digital literacy.

Although there is not a special strand for Computing within the EYFS framework, children regularly have access to Information Technology through accessing iPads, the interactive whiteboard, Bee-bots and torches.

Specific areas of learning are addressed when children are using technology:

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PSED

Children's access through direct teaching and in continuous provision allows them to show resilience and perseverance in the face of a challenge. The use of technology will allow children to try new activities and show independence, resilience and perseverance in the face of challenge.

The children will know and talk about the different factors that support health and wellbeing for example sensible amounts of screen time. The children will be able to explain rules, know right from wrong and try to behave accordingly.

Physical Development

Using technology, children will develop their small motor skills so they can use a range of tools competently, safely and confidently.

Expressive Arts and Design and Creating with Materials

Children will safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.