

Computing in the EYFS

Computing	<p>Within the new EYFS curriculum the 'Technology' strand has been removed from 'Understanding the World' and has not been replaced with any updated guidance. However, computing and technology are still vitally important subjects to teach to Foundation children. Teaching computing within the curriculum ensures that children enter Year 1 with a strong foundation of knowledge. Computing lessons in the EYFS also ensure that children develop listening skills, problem-solving abilities and thoughtful questioning — as well as improving subject skills across the seven areas of learning.</p> <p>We live in a technological world and there is no escape from the reality that technology is integrated into the lives of young children. Just as we ensure the children in our care are ready for the adult world by teaching them maths and literacy, we should also make sure that they are fluent in computer literacy and all-important e-safety.</p>			
	Development Matters	ELG	How this achieved in EYFS	Sticky Knowledge: By the end of EYFS the children will know...
	<p>Reception: Personal, Social and Emotional Development:</p> <ul style="list-style-type: none"> Show resilience and perseverance in the face of a challenge. <p>Physical Development:</p> <ul style="list-style-type: none"> Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Know and talk about the different factors that support their overall health and wellbeing: sensible amounts of 'screen time' <p>Expressive Arts and Design:</p> <ul style="list-style-type: none"> Explore, use and refine a variety of artistic effects to express their ideas and feelings. 	<p>Personal, Social and Emotional Development: Managing self:</p> <ul style="list-style-type: none"> Be confident to try new activities and show independence, resilience and perseverance in the face of challenge. Explain the reasons for rules, know right from wrong and try to behave accordingly <p>Expressive Arts and Design: Creating with Materials:</p> <ul style="list-style-type: none"> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. <p>Understanding the World: Past and Present:</p> <ul style="list-style-type: none"> Talk about the lives of people around them and their roles in society. Know some differences and similarities between things in the past and now, drawing on their experiences. <p>People, Culture and Communities:</p> <ul style="list-style-type: none"> Describe their immediate environment using knowledge from observation, discussion, texts, maps. 	<p>Throughout the year</p> <ul style="list-style-type: none"> Access to a range of technology in the classroom (see below) Interactive games and activities on the IWB Using Google Earth to look at different parts of the UK and the wider world. Use of Google to find facts and information Use of Google maps to plan our route when going on trips Access to old and new technology in the home corner. Use of iPads to record Rainbow Challenges. Access to Purple mash on iPads <p>Resources in the provision A range of technology is available within the classroom for the children to access, both independently and with an adult.</p> <ul style="list-style-type: none"> - Light boards - Beebots - CD players - Interactive white boards - iPads - Sound buttons - Old and new technology in the home corner <p>Autumn</p> <ul style="list-style-type: none"> Using the iPads to access a range of apps. 	<p>Knowledge: Personal, Social and Emotional Development</p> <ul style="list-style-type: none"> I can wait a short amount of time for something I want eg: an App to work, a turn on the IWB I know how to complete a familiar task independently and with support: a computer programme / Beebot. I can select tools and resources that I need to complete a task of my own choosing. I know how to be safe online. I know that a password is private and should not be shared. <p>Physical Development</p> <ul style="list-style-type: none"> I know how to use an iPad or tablet appropriately. I know how to use my fingers on a touch screen and control a mouse/touchpad on a computer. I understand we need to have 'sensible' amounts of screen time. <p>Understanding the World</p> <ul style="list-style-type: none"> I know how to use a camera ie: on an iPad.

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			<ul style="list-style-type: none"> • Learning how to use the camera on the iPads. • Using the IWB <p><u>Autumn 2</u></p> <ul style="list-style-type: none"> • Online safety • Exploring Purple Mash on the iPads • Looking at technology from the past <p><u>Spring 1</u></p> <ul style="list-style-type: none"> • Preparing for programming- positional language games <p><u>Spring 2</u></p> <ul style="list-style-type: none"> • Introduction to the Beebots <p><u>Summer 1</u></p> <ul style="list-style-type: none"> • Introduction to the Chromebooks <p><u>Summer 2</u></p> <ul style="list-style-type: none"> • Selecting from a range of technology / apps for a purpose 	<ul style="list-style-type: none"> • I know how to work a simple programmable toy. • I can select and use technology for particular purposes. • I know how technology is used in my own home. • I know that technology has changed since my adults were young. <p>Expressive Art and Design</p> <ul style="list-style-type: none"> • Children can safely use a range of technology for a purpose. <p><u>Vocabulary:</u> Computer, iPad, tablet, App, button, mouse, screen, keyboard, Google, information, internet, instruction, robot, save, sequence, instructions, algorithm, left, right, forwards, backwards turn, search, safety, online, password, SMART rules.</p>
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