

Year 1 Computing Overview - Information Tech

Computing Strand	NC Objectives	Skills/Knowledge	Date covered			
Word Processing/ Typing	Co2/I.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content	<ul style="list-style-type: none"> I can confidently type words quickly and correctly on a digital device. I can use the space bar to make space and delete to delete letters/ words I can make a new line using enter/return I can dictate into a digital device more accurately and with punctuation. 				
Data Handling		<ul style="list-style-type: none"> I can sort images or text into two or more categories on a digital device. I can collect data on a topic. I can create a tally chart and pictogram. I can record myself explaining what I have done and what it shows me. 				
Presentations, web design and eBook Creation		<ul style="list-style-type: none"> I can add voice labels to an image. I can add a voice recording to a storyboard. I can add speech bubbles to an image to show what a character thinks. I can import images to a project from the web and camera roll 				
Animation		<ul style="list-style-type: none"> I can add filters and stickers to enhance an animation of a character. I can create an animation to tell a story with more than one scene. I can add my own pictures to my story animation. 				
Video Creation		<ul style="list-style-type: none"> I can record a film using the camera app. I can select images and record a voiceover. I can highlight and zoom into images as I record. 				
Photography and Digital Art		<ul style="list-style-type: none"> I can edit a photo with simple tools I can use a paint/drawing app to create a digital image I can begin to cut out an image to layer on another image. 				
Augmented Reality and Virtual Reality		<ul style="list-style-type: none"> I can explore an interactive 360 image. I can scan a trigger image to begin a AR experience. I can pretend to interact with AR objects. 				
Sound		<ul style="list-style-type: none"> I can create a sequence of sounds (instruments, apps/software) I can explore short and long sounds. I can record my voice and add different effects. 				

Year 1 Computing Overview - Computer Science

Computing Strand	NC Objectives	Skills/Knowledge	Date covered			
Computational Thinking	<ul style="list-style-type: none"> Co2/1.1 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions 	<ul style="list-style-type: none"> I understand what algorithms are I can write simple algorithms I understand the sequence of algorithms is important I can debug simple algorithms I understand that algorithms are implemented as programs on digital devices 				
Coding and Programming	<ul style="list-style-type: none"> Co2/1.2 create and debug simple programs Co2/1.3 use logical reasoning to predict the behaviour of simple programs 	<ul style="list-style-type: none"> I can create a simple program e.g. sequence of instructions for a Bee Bot I can use sequence in programs I can locate and fix bugs in my program 				

Digital Literacy/ESafety - Education For a Connected World Objectives

NC Objectiv	Year 1	Skills	Date Covered		
<p>Co2/1.5 recognise common uses of information technology beyond school</p> <p>Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies</p>	Self Image and Identity	<ul style="list-style-type: none"> I can recognise that there may be people online who could make me feel sad, embarrassed or upset. If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust. 			
	Online Relationships	<ul style="list-style-type: none"> I can use the internet with adult support to communicate with people I know. I can explain why it is important to be considerate and kind to people online. 			
	Online Reputation	<ul style="list-style-type: none"> I can recognise that information can stay online and could be copied. I can describe what information I should not put online without asking a trusted adult first 			
	Online Bullying	<ul style="list-style-type: none"> I can describe how to behave online in ways that do not upset others and can give examples. 			
	Managing Online Information	<ul style="list-style-type: none"> I can use the internet to find things out. I can use simple keywords in search engines I can describe and demonstrate how to get help from a trusted adult or helpline if I find content that makes me feel sad, uncomfortable worried or frightened. 			
	Health ,Well-being and Lifestyle	<ul style="list-style-type: none"> I can explain rules to keep us safe when we are using technology both in and beyond the home. I can give examples of some of these rules. 			
	Privacy and Security	<ul style="list-style-type: none"> I can recognise more detailed examples of information that is personal to me (e.g. where I live, my family's names, where I go to school). I can explain why I should always ask a trusted adult before I share any information about myself online. 			
	Copyright and Ownership	<ul style="list-style-type: none"> I can explain why work I create using technology belongs to me. I can say why it belongs to me (e.g.'it is my idea' or 'I designed it'). I can save my work so that others know it belongs to me (e.g. filename, name on content). 			