

Warthill and Sand Hutton C of E Federated Schools
Computing Overview – Key Stage One

	Name of Unit - Objectives	Knowledge	Skills	Vocabulary
Digital Literacy	<p>Online Safety</p> <ul style="list-style-type: none"> • Use technology safely and respectfully • Keep personal information private • Identify where to go for help and support with concerns about content and contact on the internet or other online technologies 	<p>technology is an invention that makes life easier</p> <p>personal information is facts about you</p> <p>some information is private</p> <p>information can be shared online</p> <p>not everyone can be trusted</p> <p>people you trust can help you</p> <p>only share information with people you can trust</p>	<p>talk about online safety</p> <p>log on safely</p> <p>use the internet to play and learn when supported by a trusted person</p> <p>log off safely</p> <p>safely charge a piece of technology</p> <p>spot concerns</p> <p>identify people that can be trusted</p> <p>ask people for help</p>	<p>Information – helpful facts</p> <p>Internet – a connection to the wider world</p> <p>Search – look online</p> <p>Online – means on the internet</p>
	<p>Toys and Technology/ Technology and the Senses</p> <ul style="list-style-type: none"> • Recognise common uses of technology beyond school 	<p>technology can help us</p> <p>technology has changed over time</p>	<p>identify different technologies</p> <p>use technology for a purpose</p>	<p>Technology - an invention that makes life easier</p>

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Computer Science	<p>Scratch Junior/ Beebots/ Remote Toys</p> <ul style="list-style-type: none"> • Use logical reasoning to predict the behaviour of simple programs • Understand what algorithms are and how they are implemented as programmes on digital devices • Programs execute by following precise and unambiguous instructions 	<p>a computer only works by following a set of instructions</p> <p>a computer is a piece of technology</p> <p>instructions must be done in order for things to work properly</p>	<p>give clear instructions</p> <p>identify an algorithm</p> <p>follow an algorithm and debug when an error occurs</p> <p>created a simple program and check the behaviour is as expected</p> <p>use software safely and with confidence</p> <p>explain how the programme worked</p>	<p>Algorithm - a sequence of instructions and/or set of rules</p> <p>Program - a sequence of instructions to perform a task</p> <p>Data – information</p> <p>Debug – to solve a problem in a program</p> <p>Sequencing - set of actions or events that must be carried out in the same order every time</p> <p>Control - the commands placed in a sequence to perform a desired task</p>
Information Technology	<p>Word Processing/ Word and Paint/Poster/ Using and applying/Pictograms Fact files</p> <ul style="list-style-type: none"> • Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p>technology can be useful</p> <p>technology has a purpose</p> <p>technology can be used in different ways</p>	<p>create a document</p> <p>use a programme</p> <p>open a document</p> <p>close a document</p> <p>print</p>	<p>Selection – to choose something</p> <p>Document – recorded information</p>