

		LFS	UFS	Y1	Y2	Y3	Y4	Y5	Y6
<b>Using Technology Effectively</b>	use technology purposefully to create, organise, store, manipulate and retrieve digital content	<p><i>Know how to operate simple equipment.</i></p> <p><i>Know how to make toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images.</i></p> <p><i>Know how to use and observe the use of a range of toys, cameras, digital sound devices.</i></p>	<p><i>Know how to complete a simple program on a computer.</i></p> <p><i>Know how to interact with age-appropriate computer software.</i></p> <p><i>Know that there are different formats which are for pictures, text, sound and video.</i></p> <p><i>Know how to use devices to collect different file types.</i></p> <p><i>Know how to use a tablet to engage with different app types e.g. digital books.</i></p>	<p>Knows how to create a range of digital resources using a variety of hardware and software.</p> <p>Knows how to include sound and video, images</p> <p>Knows how to explore a range of multimedia resources: 2create a story - to produce a shared outcome</p>	<p>Know how to choose an appropriate device or software tool for a task.</p> <p>Know how to evaluate work and make simple changes.</p> <p>Know how a file structure works.</p> <p>Know how to save work effectively.</p>	<p>Know how to use technology effectively as a communication tool, selecting the appropriate resource for presenting the work through graphics, video and applications.</p> <p>Know how to email through and adult's email.</p>	<p>Know how to use multimedia tools.</p> <p>Know about and consider different audiences.</p> <p>Know how to provide constructive criticism to evaluate and modify work.</p> <p>Know how to blog using sites. E.g. Edublog</p> <p>Know how to use email – school account only</p>	<p>Know how to use an appropriate online tool to create and share ideas.</p> <p>Know how to use a range of presentation technologies appropriately including – Keynote, Pages – audio, graphics and text. E.g. Create Wordles</p> <p>Know how to create e books and avatars – e.g. for TTRockstars</p> <p>Know how to email using the school account – e.g. use of tagging in a class email.</p>	<p>Know how to use a range of online tools for specific tasks.</p> <p>E.g. <b>Unit 1: Animation</b></p> <p>Know how to plan a multi-scene animation including characters, scenes, camera angles and special effects.</p> <p>Know about Wikis, blogs, newsfeeds, googledocs.</p> <p>Know how to use a range of e-tools to create and present information.</p>
	<b>Keeping Safe</b>	use technology safely and respectfully, keeping personal information private; know where to go for help and support when they have concerns about material on the internet	<p><i>Know how to select and use technology for particular purposes (safely).</i></p> <p><i>Know that an adult needs to be with them when they use the internet.</i></p> <p><i>Know how to play appropriate games on the internet.</i></p> <p><i>Know how to use technology toys (mobile phones etc) as part of role play.</i></p>	<p>Knows how to create class rules for e safety.</p> <p>Begin to know how passwords work.</p> <p>Hectors world</p> <p>Knows how to log on to school network.</p>	<p>Know how to make decisions about whether or not statements or images found on the internet are likely to be true.</p> <p>Know how to identify different devices that can go on the internet, and separate those that do not.</p> <p>Know what things count as personal information and understand the need to be kept safe.</p> <p>Know how to act appropriately when inappropriate content is accessed.</p> <p>Know how to create and agree class rules for online use</p> <p>Understand and use 'Log on' with a Password for the network.</p> <p>Penguinpig book</p>	<p>Know how to choose a secure password for logging on to school network and other apps.</p> <p>Understand how to report incidents to adults including report button when online.</p> <p>Discuss cyber bullying.</p> <p>How to behave responsibly online including behaviours, safe personal information and sharing of others work/images.</p> <p>E.g. Digiduck's Big Decision- book</p>	<p>Know how to choose a secure password for logging on to school network and other apps.</p> <p>Understand how to report incidents to adults including report button when online.</p> <p>Discuss cyber bullying.</p> <p>How to behave responsibly online including behaviours, safe personal information and sharing of others work/images.</p> <p>E.g. Digiduck's Big Decision- book</p>	<p>Know how passwords work.</p> <p>Know how to keep private information safe, including all passwords.</p> <p>Know how to collaborate respectfully online using school iPads and when gaming at home.</p> <p>Know how to minimise the risk of viruses when using PCs.</p> <p>Know about social networking sites and social networking features built into other things (such as online games and handheld games consoles).</p>	<p>Know how to create own rules for using online sites.</p> <p>Know and understand online problems and understand how to be a responsible and respectful user of the internet.</p> <p>Know how to post information online.</p> <p><a href="https://www.thinkuknow.co.uk/teachers/resources/?tabID=2">https://www.thinkuknow.co.uk/teachers/resources/?tabID=2</a></p> <p><a href="http://www.bbc.co.uk/cbbc/clips/p01g2pt6">http://www.bbc.co.uk/cbbc/clips/p01g2pt6</a></p> <p>Know how to find and note/share the web address for any information or resource found online – e.g. through airdrop.</p>

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Programming	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple program use logical reasoning to predict the behaviour of simple programs	<p>Know how to operate simple equipment.</p> <p>Know that information can be retrieved from computers.</p> <p>Know how to use a range of toys and devices which require an input: microwave key pad, remote control toys.</p>	<p>Know how to complete a simple program on a computer.</p> <p>Know how to interact with age-appropriate computer software. elect and use technology for particular purposes</p> <p>Know how to build a bot.</p> <p>Know how to use Bee Bot to support learning -use <a href="http://www.northernqri.d.org/content/town_trail/ttrail.html">http://www.northernqri.d.org/content/town_trail/ttrail.html</a></p>	<p>Know how to explore the use of a floor robot.</p> <p>Know how to build up simple programs using sequences.</p> <p>Know how to analyse and use existing programs.</p> <p>Know how to test programs and modify.</p> <p>Know how to explore and use Bee Bots</p>	<p>Know how to design and record simple programs to achieve a specific goal, using a floor robot.</p> <p>Know how to test and modify.</p> <p>Know how to use an on screen turtle with turns and diagonals.</p> <p>Know about and us online tools: <a href="https://www.bigdayout.wgfi.org.uk/flash/index.htm">https://www.bigdayout.wgfi.org.uk/flash/index.htm</a></p>	<p>Know how to revise, use and understand the term 'algorithm'.</p> <p>Know how to use programming with repeats.</p> <p>Begin to know and use Scratch Junior.</p> <p>Know how to use a floor robot to achieve goals - Bee Bot.</p> <p>Know how to design, write and test programs.</p> <p>Know how to recognise errors in a prepared program, identify them, test and modify sequences in programs.</p>	<p>Begin an introduction to Lego WeDo.</p> <p>Know how to use Scratch Junior to create an animation.</p> <p>Know and understand terms: <a href="http://games.thinkingmyself.com/">http://games.thinkingmyself.com/</a></p> <p>Know how to recognise errors in a program and change.</p>	<p>Know how to explore variables.</p> <p>Know how to explore and use WeDo.</p> <p>Know how to experiment with Scratch Junior on tablet to program and create a game.</p> <p>Know how to experiment with Hopscotch on tablet to program and create a game.</p>	<p>Know how to change variables to alter outcomes.</p> <p>Know how to use the advanced Scratch on the school network PCs.</p> <p><b>(EXTRA UNIT - Introduction to Mindstorms software and robot.</b> Investigate programming simple movements for the Robot. Know how to explore other coding languages for this robot.)</p>
	Data	use technology purposefully to create, organise, store, manipulate and retrieve digital content	<p>Know that information can be retrieved from computers.</p> <p>Know how to collect and sort a range of pictures and photos.</p> <p>Know how to use cameras and sound recorders to collect information.</p>	<p>Know how to complete a simple program on a computer.</p> <p>Know how to interact with age-appropriate computer software, select and use technology for particular purpose.</p> <p>Know how to collect information in a variety of forms, photos, sounds.</p>	<p>Know how to collect and sort information using a range of devices.</p> <p>Know how to create a photo database.</p> <p>Know how to use 2count to create a pictogram and interpret results.</p> <p>IWB; Know how to develop pictograms and block graphs to answer questions.</p>	<p>Know how to pose questions, collect data and generate charts and graphs.</p> <p>Know how to investigate a purpose built database</p> <p>Know that images give information and say what a pictogram is showing them.</p> <p>Know how to put data into a program (pictogram – 2Count).</p> <p>Know how to sort objects and pictures in lists or simple tables.</p> <p>Know how to evaluate work and make simple changes.</p> <p>Know how a file structure works.</p> <p>Know how to retrieve and edit information - 2graph.</p>	<p>Know how to select a question to answer and collect data to answer this question.</p> <p>Begin to know how to organize and sequence data.</p> <p>Know how to use and contribute to a pre-constructed database.</p> <p>Know how to select appropriate graph type.</p> <p>Know how to construct a branching database.</p>	<p>Know how to use different tools for collecting data, organising and interrogate data.</p> <p>Know how to identify different types of data.</p> <p>Know how to use searches.</p> <p>Know how to create a database with different fields.</p> <p>Know how to present and analyse data.</p> <p>Know how to recognise QR codes and their uses.</p>	<p>Know how to use spread sheets and databases to record and interpret information.</p> <p>Know how to create a database in Excel: Sort and interpret data.</p> <p>Know about and understand the use of QR codes.</p>

## Understanding Technology

use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school.

*Know how to operate simple equipment.*

*Shows an interest in technological toys with knobs or pulleys, or real objects.*

*Know how to observe the use of technology in the environment and at home.*

*Know how to recognise that a range of technology is used in places such as homes and schools.*

*Know how to use technology as part of role play.*

Know about technology in the world around them.

Know how to use the internet for a range of reasons (modeled by the adult)

Know how to use an online site.

Know how to explore the use of simple email by using an adult's email.

Know how to send and receive emails from a protected site/own school email account.

Know how to share information with others using the school network and school email.

Know how to use a range of devices to share information  
Complete a safe search:  
<http://infant.parkfieldprimary.com/>

Know how to discuss what is true:  
<http://webfronter.com/rbk c/tomatospider/>

Know how to save work on a range of devices and storage spaces.

Know about the Internet and how it works and connects.  
Know how to use a search engine  
<http://www.swiggle.org.uk>

Know how to discuss reliability of information online  
<http://zapatopi.net/treeoc topus/>

Know how to collaborate online through a safe space.

Know how to frame question and understand key words in order to complete a search on the Internet.

Know about copyright and use sites which have copyright free resources.

Know about advertising and pop ups.  
<http://pbskids.org/dontbuyit/advertisingtricks/index.html>

Know that not all online information is reliable.  
<http://www.thedogisland.com>

Know about how to maintain their iPads.

Know about the world wide web. Know how to examine a range of websites and web tools and how they work in different ways.

Focus on the process of finding information.

Know how to search safely on the internet.  
<http://www.searchbox.co.uk/kids.htm>.

Know how to evaluate information.

Know how to use their school email safely and responsibly.

Know how to compare searches and understand how key words work, how hits occur and reliability of information.

<http://www.bing-vs-google.com>

Know how to use Google in a safe way when research for curriculum work.

Know and understand the range of services provided by the internet

Know how to register and use a blog safely and responsibly – e.g. Edublog.