



## Sholing Infant School – Computing Curriculum Coverage

Year 1						
Concepts	IT	Computing	Digital Literacy	IT	Digital Literacy	Computing
Curriculum objectives	Recognise common uses of information technology	Understand what algorithms are and how they are implemented as programs on digital devices	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Recognise common uses of information technology beyond school	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Understand what algorithms are and how they are implemented as programs on digital devices
Sticky knowledge	❖ I know how to use different devices	❖ I know how to give clear instructions to someone and create a program for a Beebot.	❖ I know how to create and save a picture on 2Paint	❖ I know that computers are used inside some toys to make them do things when I play with them	❖ I know how to create and save a picture and text with 2Publish ❖ I know how to perform a simple safe search with Google	❖ I know what algorithms and programs are. ❖ I know how to give clear instructions to someone and create a program for a Beebot.
Vocabulary	Mouse, touchpad, touchscreen, login, password, username	Algorithm, instructions, order, Beebot, program, device, create	Mouse, touchpad, touchscreen, keyboard, click, drag, save, create, type, open, cursor, paint, pen, brush	Connected, electronic, interactive, IT	Image, text, Purple Mash, 2Publish, Google Chrome, Internet, browser, safe search	Algorithm, instructions, order, Beebot, program, device, create
E-Safety Focus	<i>Tell</i> - Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	<i>Safe</i> - Use technology safely and respectfully, keeping personal information private	<i>Reliable</i> - Use technology safely and identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	<i>Accepting &amp; Meet</i> - Use technology safely and identify where to go for help and support when they have concerns about content on the internet or other online technologies.	<i>Inappropriate Content</i> - Use technology safely and identify where to go for help and support when they have concerns about content on the internet or other online technologies.	<i>Cyberbullying</i> - Use technology respectfully and identify where to go for help and support when they have concerns about content on the internet or other online technologies.
E-Safety Sticky Knowledge	❖ Know who to ask if they are worried about anything they experience online (SMART rule T) ❖ Know to keep their personal information private (SMART rule S) ❖ Know that I should not meet up with people I have only met online (SMART rule M) ❖ Know that not everything I see or hear online can be trusted (SMART rule R). ❖ Know that I should not accept messages from people I don't know online (SMART rule A)					
E-Safety Vocabulary	Safe, personal, private, safety, internet, trusted, tell, meet, accept, reliable					
Topic	Autumn 1 - Marvellous Me	Autumn 2 - Pirates	Spring 1 – Hot or Not	Spring 2 - Toys	Summer 1 – The Great Fire of London	Summer 2 - Forests



## Sholing Infant School – Computing Curriculum Coverage

Year 2					
<b>Concepts</b>	IT	IT	Digital Literacy	Computing	Digital Literacy
<b>Curriculum objectives</b>	Recognise common uses of information technology	Recognise common uses of information technology beyond school	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	<ul style="list-style-type: none"> <li>❖ Understand what algorithms are and how they are implemented as programs on digital devices</li> <li>❖ Understand that programs execute by following precise and unambiguous instructions</li> <li>❖ Use logical reasoning to predict the behaviour of simple programs</li> <li>❖ Create and debug simple programs</li> </ul>	Use technology purposefully to create, organise, store, manipulate and retrieve digital content
<b>Sticky knowledge</b>	<ul style="list-style-type: none"> <li>❖ I know how to use different devices</li> </ul>	<ul style="list-style-type: none"> <li>❖ I know and understand that computers work together in networks to control and guide aircraft</li> </ul>	<ul style="list-style-type: none"> <li>❖ I know that the purpose of a presentation is to share information and be able to create, organise, save, change and open a presentation.</li> <li>❖ I know how to find the most relevant searches with Google Safe search</li> </ul>	<ul style="list-style-type: none"> <li>❖ I know and understand what algorithms and programs are and how they can debug them to make things happen</li> </ul>	<ul style="list-style-type: none"> <li>❖ I know how to create, organise, save, change and present data with 2Graph</li> </ul>
<b>Vocabulary</b>	Mouse, touchpad, touchscreen, login, password, username	IT, information technology, computer, communicate, electronic, mechanical, fly-by-wire, air traffic control, network	copy, paste, organise, font, size, colour, text, picture, caption, title, subheading, insert, Google Slides, presentation, slide,	Algorithm, debug, instructions, order, clear, program, predict, create	2Graph, Table, chart, pictogram, data
<b>E-Safety Focus</b>	<i>Tell</i> - Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	<i>Safe</i> - Use technology safely and respectfully, keeping personal information private	<i>Reliable &amp; Accepting</i> - Use technology safely and identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	<i>Meet</i> - Use technology safely and identify where to go for help and support when they have concerns about contact on the internet or other online technologies.	<i>Inappropriate Content</i> - Use technology safely and identify where to go for help and support when they have concerns about content on the internet or other online technologies. <i>Cyberbullying</i> - Use technology respectfully and identify where to go for help and support when they have concerns about contact on the internet or other online technologies.
<b>E-Safety Sticky Knowledge</b>	<ul style="list-style-type: none"> <li>❖ Know that not everyone online can be trusted.</li> <li>❖ Know and explain the SMART rules.</li> </ul>				
<b>E-Safety Vocabulary</b>	Safe, personal, private, safety, internet, trusted, tell, meet, accept, reliable, cyberbullying				
<b>Topic</b>	Autumn 1 – Victorians	Autumn 2 – Flight	Spring 1 – Wonderful World	Spring 2 – Titanic	Summer Term – Survival SOS