HIGH LITTLETON CHURCH OF ENGLAND PRIMARY SCHOOL COMPUTING OVERVIEW EYFS TO YEAR 2

touchscreen devices such as mobile phones and tablets • Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images • Knows that information can be retrieved from digital devices and the internet • Plays with a range of materials to learn cause and effect, for example, makes a string puppet using dowels and string to suspend the puppet	r 1 Year 2	
 Knows how to operate simple equipment, e.g. turns on CD player, uses a remote control, can navigate touch-capable technology with support Shows an interest in technological toys with knobs or pulleys, real objects such as cameras, and touchscreen devices such as mobile phones and tablets Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images Knows that information can be retrieved from digital devices and the internet Plays with a range of materials to learn cause and effect, for example, makes a string puppet using dowels and string to suspend the puppet Makes a string puppet using for Save, Print, Open, N To explore the Games s To understand the imp 	Children are taught to:	
	ve work.algorithms.work in the Online WorkTo compare the Turtle and Character of To use the button object.rple Mash to findTo understand how use the Repeat con To understand how to use the Timer co To know what debugging means.re types of resources ion.To understand how to use the Timer co To know what debugging means.vith the icons used in the ion.To debug simple programs.d text to work. n of Purple Mash and to cons used in Purple MashTo predict what the objects will do in o programs, based on their knowledge or	bjects. nmand. ommand. bug a ds of objects ic actions. ther f what the erstand that i, as that is nave learned to create a
Birth to 5 Matters Understanding the World:Grouping and Sorting:Technology Range 6To sort items using a ra	Online Safety:	•

• Completes a simple program on electronic	To sort items on the computer using the 'Grouping'	To know how to refine searches using the Search
devices	activities in Purple Mash.	tool.
 Uses ICT hardware to interact with age 		To know how to share work electronically using the
appropriate computer software		display boards.
• Can create content such as a video recording,		To use digital technology to share work on Purple
stories, and/or draw a picture on screen		Mash to communicate and connect with others
• Develops digital literacy skills by being able to		locally.
access, understand and interact with a range of		To have some knowledge and understanding about
technologies		sharing more globally on the Internet.
• Can use the internet with adult supervision to		To introduce Email as a communication tool using
find and retrieve information of interest to them		2Respond simulations.
		To understand how we talk to others when they
		aren't there in front of us.
		To open and send simple online communications in
		the form of email.
		To understand that information put online leaves a
		digital footprint or trail.
		To begin to think critically about the information
		they leave online.
		To identify the steps that can be taken to keep
		personal data and hardware secure.
Statutory ELG: None Birth to Five Matters:	Pictograms:	Spreadsheets:
Children require access to a range of technologies,	To understand that data can be represented in	Reviewing prior use of spreadsheets.
both digital and non-digital in their early lives.	picture format.	Copying and Pasting.
Exploring with different technologies through play	To contribute to a class pictogram	Totalling tools.
provides opportunities to develop skills that	To use a pictogram to record the results of an	Using a spreadsheet to add amounts.
children will go on to develop in their lifetimes.	experiment.	Creating a table and block graph.
Investigations, scientific inquiry and exploration are		
essential components of learning about and with		
technology both digitally and in the natural world.		
Through technology children have additional		
opportunities to learn across all areas in both		
formal and informal ways. Technologies should be		
seen as tools to learn both from and with, in order		
to integrate technology effectively within early		
years practice.		

Lego Builders: To emphasise the importance of following instructions. To follow and create simple instructions on the computer. To consider how the order of instructions affects the result.	Questioning: To show that the information provided on pictogram is of limited use beyond answering simple questions. To use YES or No questions to separate information. To construct a binary tree to separate different items.
	Use 2Question (a binary tree) to answer questions. To use a database to answer more complex search questions. To use the search tool to find information.
Maze Explorers:To understand the functionality of the basicdirection keys in Challenges 1 and 2.To be able to use the direction keys to complete thechallenges successfully.To understand the functionality of the basicdirection keys in Challenges 3 and 4.To understand how to create and debug a set ofinstructions (algorithm).To use the additional direction keys as part of theiralgorithm.To understand how to change and extend thealgorithm list.To create a longer algorithm for an activity.To provide an opportunity for the children to setchallenges for each other.To provide an opportunity for the teacher to setthese new challenges as 2Dos for all the class to try.	Effective Searching: To understand the terminology associated with searching. To gain a better understanding about searching on the Internet. To create a leaflet to help someone search for information on the Internet.
Coding: To understand what coding means in computing. To create unambiguous instructions like those required by a computer. To build one- and two-step instructions using the printable code cards. To introduce 2Code.	Creating Pictures: To be introduced to 2Paint A Picture. To look at the impressionist style of art (Monet, Degas, Renoir). To recreate pointillist art and look at the work of pointillist artists such as Seurat.

To use the 2Code program to create a simple	To look at the work of Piet Mondrian and recreate it
program.	using the Lines template.
To use Design Mode to add and change	To look at the work of William Morris and recreate
backgrounds and characters. They will use the	it using the Patterns template.
Properties table to change the look of the objects.	To explore surrealism and eCollage.
To use the Properties table to change the look of	
the objects.	
To design a scene for a program.	
To use code blocks to make the characters move	
automatically when the green Play button is clicked	
To add an additional character who moves when	
clicked.	
To explore the When Key and When Swiped	
commands (on tablets if available).	
To use the Stop button to make characters stop	
when the background is clicked.	
To explore a method to code interactivity between	
objects.	
To use Collision Detection to make objects perform	
actions.	
To use the sound property.	
Spreadsheets:	Making Music:
Introduction to spreadsheets.	To be introduced to making music digitally using
Adding images to a spreadsheet and using the	2Sequence.
image toolbox.	To explore, edit and combine sounds using
Using the 'speak' and 'count' tools in 2Calculate to	2Sequence.
count items.	To add sounds to a tune they've already created to
	change it.
	To think about how music can be used to express
	feelings and create tunes which depict feelings.
	To upload a sound from a bank of sounds into the
	Sounds section.
	To record their own sound and upload it into the
	Sounds section.
	To create their own tune using the sounds which
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Animated Story Books:	Presenting Ideas:
To be introduced to e-books and to 2Create a Story.	To explore how a story can be presented in
To continue a previously saved story.	different ways.
To add animation to a story.	To make a quiz about a story or class topic.
To add sound to a story including voice recording	To make a fact file on a non-fiction topic.
and music the children have created.	To make a presentation to the class.
To work on a more complex story including adding	
backgrounds and copying and pasting pages.	
To use additional features to enhance their stories.	
To share their e-books on a class display board.	