

THE YEAR 1 LEARNER WILL COVER THE FOLLOWING:

AUTUMN 1		AUTUMN 2	
WE ARE INTERNET USERS Using the Internet safely, responsibly & respectfully		WE ARE CODERS Using programmable toys	
Knowledge	Skills	Knowledge	Skills
In Year 1, pupils learn about some of the potential dangers in the online world and what basic steps we all need to take in order to have positive digital experiences. They learn the SMART rules and look at what information should be kept safe when using the Internet. They explore the positives and potential negatives of online communication and begin to develop the skills to recognise potential dangers and act accordingly to keep themselves and others safe.	Recall some of the SMART rules for Internet safety.	In this unit, pupils understand algorithms as a simple set of instructions, and learn that algorithms can be used to give instructions to a digital device. They have practical experience of giving simple instructions to control a digital device to solve a problem. If things do not go as expected they are taught to use a 'trial and error' approach to fix problems. Pupils will also begin to develop logical reasoning through making simple predictions.	Use directional language to navigate a person or object.
	Know who to tell if someone online asks for personal information.		Develop and record sequences of instructions as an algorithm.
	Make links between the online and offline world.		Program a toy to follow an algorithm.
			Try a different solution when something doesn't happen as expected.
			Make verbal predictions about what will, or has, happened.

SPRING 1		SPRING 2	
WE ARE EDITORS Typing and changing text		WE ARE ARTISTS Creating digital artwork	
Knowledge	Skills	Knowledge	Skills
In this unit, pupils learn to use a software program to create a simple poster that combines a picture background with text. They will make some changes to their work and talk about their choices. With guidance, they will learn to save their work and understand that doing this makes it available to work on in the future.	Develop basic keyboard and keypad skills, through typing and formatting text.	In this unit, pupils will learn how to open a browser and use a search engine to search for pictures. They will use their research to gather ideas for a digital art composition which they will go on to create using a basic graphics package.	Develop basic keyboard and keypad skills, through typing and formatting pictures.
	Make simple edits to text, including changing a font colour, size and style.		Use agreed keywords to search for pictures.
	Develop skills in combining text and images.		Combine picture objects to make a composition.
	With guidance, save their work with a meaningful name.		With guidance, save their work with a meaningful name.

SUMMER 1

SUMMER 2

WE ARE PRESENTERS
Filming the steps of a recipe

WE ARE PHOTOGRAPHERS
Creating a digital self-portrait

Knowledge	Skills	Knowledge	Skills
<p>In this unit, pupils produce short videos of themselves making a healthy meal or snack. They also decompose a complex problem into smaller parts – an important idea from computer science.</p>	<p>Break down a process into simple, clear steps, as in an algorithm.</p>	<p>In this unit, pupils will consolidate or further their 'applications' skills by creating a digital self-portrait. They will use a built-in webcam to take a picture of themselves and then (with help) load it into a basic graphics package to edit and enhance it with text and graphics.</p>	<p>Take a photograph of themselves using a webcam (such as that on a Chromebook or tablet).</p>
	<p>Use a video camera to capture moving images.</p>		<p>Create simple digital content using some combination of text, paint and photographic tools.</p>
	<p>Create simple digital content using video.</p>		<p>Make some changes to a piece of digital work.</p>
	<p>Develop basic collaboration skills.</p>		<p>Create and save new files within a personal network location.</p>
			<p>With guidance, save their work with a meaningful name.</p>