

Year 1 Computing Coverage

As coders we identify how we can make things happen and solve problems when they arise As digital creators we learn how to use and make content to share our ideas safely As online users we learn how to stay safe and act appropriately when using technology.						
	Autumn Term 1 Computing lessons - We are Treasure Hunters	Autumn Term 2 Computing lessons - We are TV chefs	Spring Term 1 Computing lessons - We are painters	Spring Term 2 Computing lessons - We are collectors	Summer Term 1 Computing lessons - We are storytellers	Summer Term 2 Computing lessons - We are celebrating
National Curriculum	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 programs use logical reasoning to predict the behaviour of simple programs recognise common uses of information technology beyond school	understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school create and debug simple programs use logical reasoning to predict the behaviour of simple programs	use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
Subject Focus	In this unit children understand that a programmable toy (or simulation of such) can be controlled by inputting a sequence of instructions. They identify where there are errors and debug their programs.	In this unit children break down a process into simple, clear steps to begin to understand what an algorithm is. They use an iPad to capture moving images while developing collaboration skills. They discuss their work and how it could be improved. Asking for permissions when capturing voices and images	In this unit children use the web safely to find ideas for an illustration. They select and use appropriate painting tools to create and change images on the computer. They create an illustration for a particular purpose. Know how to save, retrieve and change their work.	In this unit children find and use pictures on the web. They discuss what to do if they encounter pictures which cause concern. They group images based on binary (yes/no) questions. Organise images into groups according to clear rules.	In this unit children use sound recording equipment to record sounds (iPad - book creator). They develop collaboration skills and understand how a talking book differs from a paper-based book. Asking for permissions when capturing voices and images	In this unit children develop basic mouse and keyboard skills through typing and formatting text. They recap how to use the web to find and select images safely. They develop skills combining text and images.
Top Ten / Fab Five	1 Know that we can make things happen by giving instructions. 2 Break a task into a series of simple instructions. 3 Revise these instructions when things do not go right. 4 Understand that sometimes a sequence of events needs to be changed. 5 Predict what they think will happen.	1 Know that we can make things happen by giving instructions. 2 Break a task into a series of simple instructions. 3 Revise these instructions when things do not go right. 4 Know that videos can be made of different clips. 5 Edit a video.	1 Know how to search the internet for images. 2 Know what to do if they find anything which causes concern. 3 Know how to use simple 'brush' tools in paint to create different effects. 4 Know how to change colours. 5 Know how to add shapes to an image. 6 Select and area of the screen.	1 Know how to search the internet for images. 2 Know what to do if they find anything which causes concern. 3 Manipulate images on the screen. 4 Pose questions to organise data (images). 5 Use a keyboard to input key words. 6 Use a mouse to select an area of the screen. 7 Use drag and drop. 8 Know how to get a capital letter.	1 Know how to add an image to book creator. 2 Know how to add text on an ipad. 3 Know how to use the voice recorder. 4 Know how to get a clear sound recording. 5 Share their work with others. 6 Give supportive feedback. 7 Receive supportive feedback.	1 Know how to search the internet for images. 2 Know what to do if they find anything which causes concern. 3 Manipulate images on the screen. 4 Copy and paste a picture. 5 Use a keyboard to input key words. 6 Use a mouse to select an area of the screen. 7 Use drag and drop. 8 Know how to get a capital letter. 9 Save a picture
Unit specific Vocabulary	instruction, algorithm, debug, step-by-step, process, order, sequence, predict	instruction, algorithm, debug, step-by-step, process, clips, order, sequence, edit	tools, toolbox, shapes, colours, picker tool, select, zoom	search, enter, space, keys, mouse, keyboard, drag, drop, shift, caps lock	add sound, import, recording, pixels, handles, move, resize	search, enter, space, keys, mouse, keyboard, drag, drop, shift, caps lock, font, colour, size, print

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Software Knowledge	Bee-Bot app, Daisy the Dinosaur, ALEX	iPads	MS Paint, Brushes app, MS PowerPoint	Internet safe search MS PowerPoint	Book Creator app.	MS Powerpoint/MS Word
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Green highlighting indicates areas linked to online safety.