

Computing – Year 1			
Computing intent		Vocabulary	
Aims	<ul style="list-style-type: none"> can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology. 	technology, computer, mouse, trackpad, keyboard, screen, double-click, typing paint program, tool, paintbrush, erase, fill, undo, shape tools, line tool, fill tool, undo tool, colour, brush style, brush size, pictures, painting, computers Bee-Bot, forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, route, plan, algorithm, program.	
	Knowledge and skills	Useful Units	Outcomes
Digital Literacy	<ul style="list-style-type: none"> 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. recognise common uses of information technology beyond school 	Technology around us Digital painting Moving a robot	Understand technology and how it can help us in our everyday lives. Use a range of tools to create a digital painting Program a robots using individual commands
Information Technology	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content 	Technology around us Digital painting Moving a robot	Cross-curricular links <u>Education for a Connected World links</u> Managing Online Information <ul style="list-style-type: none"> I know how to get help from a trusted adult if we see content that makes us feel sad, uncomfortable, worried or frightened.
Computer Science	<ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions use logical reasoning to predict the behaviour of simple programs create and debug simple programs 	Technology around us Digital painting Moving a robot	Self-image and Identity <ul style="list-style-type: none"> If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust and how they can help. Health, well-being and lifestyle <ul style="list-style-type: none"> I can explain rules to keep myself safe when using technology both in and beyond the home. Copyright and ownership

			<ul style="list-style-type: none">• I can save my work under a suitable title or name so that others know it belongs to me (e.g. filename, name on content). <p><u>Art</u></p> <ul style="list-style-type: none">• to use drawing, painting and sculpture to develop and share their ideas, experiences and imagination <p><u>Maths</u></p> <p>Measure</p> <ul style="list-style-type: none">• sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] <p>Geometry - position and direction</p> <ul style="list-style-type: none">• describe position, direction and movement, including whole, half, quarter and three-quarter turns
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