



# Computing in Year 1

	Autumn	Spring	Summer
Objectives	<ul style="list-style-type: none"> <li>•understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>•create and debug simple programs</li> <li>•use logical reasoning to predict the behaviour of simple programs</li> <li>•use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>•recognise common uses of information technology beyond school and 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</li> </ul>		
Teaching skills with Continuous Provision	Logging on and off—using a laptop and an iPad  Selecting and using a “paint” program  Online safety	Saving and retrieving —using a laptop and an iPad  Programming—looking at algorithms and predicting patterns  Online safety	Using digital equipment to research and publish findings—using a laptop and an iPad  Programming and beginning to “debug”  Online safety
Enhancements	Use of QR codes to support CP  Familiarity with apps on iPads—challenges linked to a different app each week/fortnight	Use of QR codes to support CP  Familiarity with apps on iPads—challenges linked to a different app each week/fortnight  Variety of Beebot mats	Use of QR codes to support CP  Familiarity with apps on iPads—challenges linked to a different app each week/fortnight  Variety of Beebot mats with instructions
Projects	Paint/2draw—design a picture linked to topic/fireworks/Christmas  Logging on and off Bug Club—encourage parental participation	Algorithms - can children discuss instructions and make simple predictions?  Designing settings linked to fairy tale and develop key board skills  Logging on and off DB Primary—encourage parental participation	Algorithms - can children produce their own algorithms to meet a given task?  Creating posters with text and images  Research engines to find out information linked to topic (especially linked to DB primary research pages)