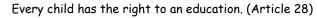




			У1	У2	У3	У4	У5	У6	
Aims of the National Curriculum			 Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation Can analyse problems in computational terms, and have repeated practical experience of writing computer 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 						
NC Programme of Study			understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions		design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts				
			create and debug simple programs		use sequence, selection, and repetition in programs; work with variables and various forms of input and output				
			use logical reasoning to predict the behaviour of simple programs		use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs				
			use technology purposefully to create, organise, store, manipulate and retrieve digital content		understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration				
			recognise common uses of info beyond school	rmation technology	use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content				
			use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or		select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information				
			contact on the internet or other online technologies		use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact				
Progression in Learning skills	To code	Motion	Specify the number of steps t turn.	o travel, direction and	Use specified coordinat	es to control movement	Set IF conditions. Spe	cify rotations.	
		Looks	Add text strings, show and hid features.	de objects and change	Set the appearance and changes.	create sequences of	Change the position of layers.	things between screen	
		Sound	Select sounds, their duration	and volume.	Create and edit sounds.		Upload sounds and edit	them.	
		Draw	Set pen colour, shape and size		Control the shades of p	en.	Combine the use of pen	s with movement.	
		Events	Specify user inputs.		Specify condition to tri	gger events.	Set events to trigger e	vents.	
		Control	Specify the nature of events.		Use IF THEN condition	S.	Use IF THEN ELSE con	nditions.	
		Sensing	Create conditions for actions.		Use a sensing proximity	by waiting for use input.	Use a range of sensing	tools.	



RIGHTS RESPECTING SCHOOLS

Education must develop every child's personality, talents and abilities to the full. (Article 29) Every child has the right to reliable information from a variety of sources. (Article 17)





Learning in Computing Skills Progression - Year 1 - Year 6



Variables		Use variables and use the functions to control variables.	Use lists to create a set of variables.
Operators		Use reporter operators.	Use the Boolean operators.
To connect	Understand online risks.	Contribute to blogs, understand risks related to online bullying.	Collaborate with others online, understand how networks are set up.
To communicate	Use a range of applications to communicate ideas, work and messages.	To use some advanced features of applications.	Choose the most suitable application for purpose.
To collect	Use simple databases.	Devise and construct databases.	Select appropriate applications to devise, construct and manipulate data.
Support transition to Bishop Walsh	Children know the basics of programming; to code. Understand and know how to be safe when online.		



Every child has the right to an education. (Article 28) Education must develop every child's personality, talents and abilities to the full. (Article 29) Every child has the right to reliable information from a variety of sources. (Article 17)

