





# Computing Skills Progression Map

							
	<b>'Happily Ever After'</b>	<b>'Unity in the Community'</b>	<b>'Come Fly With Me!' Arctic Circle</b>	<b>'Light Up the World'</b>	<b>'Royal Patrons'</b>	<b>'Never Eat Shredded Wheat'</b>	<b>'Children's Champion'</b>
Y1	<p>CS1 Recognise and understand that algorithms are implemented as programs on digital devices, executing by following precise and unambiguous instructions</p> <p>CS2 Create and debug simple programs</p> <p>CS3 Use logical reasoning to predict the behaviour of simple programs</p>	<p>CS1 Recognise and understand that algorithms are implemented as programs on digital devices, executing by following precise and unambiguous instructions</p> <p>CS2 Create and debug simple programs</p> <p>CS3 Use logical reasoning to predict the behaviour of simple programs</p>	<p>Mm1 Use technology purposefully to create, capture, organise, store, manipulate, retrieve and present digital content</p> <p>Mm2 Try alternatives using a range of tools and techniques to alter text, images and sounds</p> <p>Mm3 Combine written text with graphics, tables., sounds and images and present work appropriately</p> <p>Mm4 Use ICT to communicate with unknown audiences</p> <p>Mm5 Plan, discuss and review work developed using ICT in order to improve it</p>	<p>D1 Collect, sort, record and represent information to inform investigations and designs</p> <p>D2 Draw conclusions from data collected</p>			
	<b>'Mobile Mystery'</b>	<b>'The Beachcombers'</b>	<b>'Zero to Hero'</b>	<b>'Going Wild!'</b>	<b>'Dancing Spy'</b>	<b>'Paddington's Passport'</b>	<b>'Record Breaker'</b>
Y2	<p>Mm1 Use technology purposefully to create, capture, organise, store, manipulate, retrieve and present digital content</p> <p>Mm2 Try alternatives using a range of tools and techniques to alter text, images and sounds</p> <p>Mm3 Combine written text with graphics, tables., sounds and images and present work appropriately</p> <p>Mm4 Use ICT to communicate with unknown audiences</p> <p>Mm5 Plan, discuss and review work developed using ICT in order to improve it</p>		<p>Mm1 Use technology purposefully to create, capture, organise, store, manipulate, retrieve and present digital content</p> <p>Mm2 Try alternatives using a range of tools and techniques to alter text, images and sounds</p> <p>Mm3 Combine written text with graphics, tables., sounds and images and present work appropriately</p> <p>Mm4 Use ICT to communicate with unknown audiences</p> <p>Mm5 Plan, discuss and review work developed using ICT in order to improve it.</p>	<p>Mm1 Use technology purposefully to create, capture, organise, store, manipulate, retrieve and present digital content</p> <p>Mm2 Try alternatives using a range of tools and techniques to alter text, images and sounds</p> <p>Mm3 Combine written text with graphics, tables., sounds and images and present work appropriately</p> <p>Mm4 Use ICT to communicate with unknown audiences</p> <p>Mm5 Plan, discuss and review work developed using ICT in order to improve it</p> <p>D1 Collect, sort, record and represent information to inform investigations and designs</p> <p>D2 Draw conclusions from data collected</p>			

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	‘Hot off the Press’	‘Athens v Sparta’	‘Come Fly With Me!’ Africa	‘Under the Canopy’	‘Lindow Man’	‘Rocky the Findosaur’	‘Out and About’
Y3		DC6 Use ICT safely and appreciate the need to keep electronic data secure CS4 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems CS5 Solve problems by decomposing them into smaller parts CS6 Use sequence, selection, and repetition in programs CS7 Work with variables and various forms of input and output CS8 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	Mm6 Explore alternative approaches to develop and refine work Mm7 Use a variety of ICT tools to create, refine and present work in a variety of ways Mm8 Use features of layout, presentation and organisation in print and on screen Mm9 Use editing skills for visual effects	D3 Identify how ICT can be used to collect and structure information so that it can be searched and analysed D4 Capture, record and analyse data using sensors in order to support observations and investigations			
Y4	‘Lightning Speed’	‘Law and Order’	‘Cry Freedom’	Picture Our Planet	‘Viking Warrior’	‘May the Force Be With You’	‘Saxon King’
	DC5 Use ICT to exchange ideas and collaborate with others remotely DC6 Use ICT safely and appreciate the need to keep electronic data secure IT5 Identify the opportunities computer networks offer for communication and collaboration IT6 Use key words to search for and select appropriate information from the internet and other digital sources IT7 Understand computer networks including the Internet, recognizing how they can provide multiple services, such as the world-wide web	CS4 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems CS5 Solve problems by decomposing them into smaller parts CS6 Use sequence, selection, and repetition in programs CS7 Work with variables and various forms of input and output CS8 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs		Mm6 Explore alternative approaches to develop and refine work Mm7 Use a variety of ICT tools to create, refine and present work in a variety of ways Mm8 Use features of layout, presentation and organisation in print and on screen Mm9 Use editing skills for visual effects IT4 Save and use stored information to follow lines of enquiry IT5 Identify the opportunities computer networks offer for communication and collaboration IT6 Use key words to search for and select appropriate information from the internet and other digital sources			

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	‘Mission Control’	‘You’re Not Invited’	‘Cosmopolitan’	‘Global Warning’	‘Fighting Footballer’	‘Go With The Flow’	‘Pharaoh Queen’	
Y5	<p>Mm10 Analyse, describe and discuss the effectiveness of the work with ICT</p> <p>Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>Mm14 Use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions.</p> <p>IT7 Understand computer networks including the Internet, recognizing how they can provide multiple services, such as the world-wide-web.</p> <p>IT8 Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p>	<p>Mm10 Analyse, describe and discuss the effectiveness of the work with ICT</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p>D5 Use ICT to explore and develop simple models by changing variables and simple formulae</p> <p>D6 Answer questions by using ICT to identify, collect, store, analyse and present information</p> <p>D7 Represent data from analysis in appropriate ways, including the use of graphs</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<p>Mm10 Analyse, describe and discuss the effectiveness of the work with ICT</p> <p>Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>Mm13 Organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication</p> <p>Mm14 Use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions.</p>				
Y6	<p>CS4 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p>CS5 Solve problems by decomposing them into smaller parts</p> <p>CS6 Use sequence, selection, and repetition in programs</p> <p>CS7 Work with variables and various forms of input and output</p> <p>CS8 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Mm10 Analyse, describe and discuss the effectiveness of the work with ICT</p> <p>Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>Mm13 Organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication</p>	<p>Mm10 Analyse, describe and discuss the effectiveness of the work with ICT</p> <p>Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes</p> <p>Mm12 Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>Mm13 Organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication</p> <p>Mm14 Use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions.</p> <p>CS4 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p>CS5 Solve problems by decomposing them into smaller parts</p> <p>CS6 Use sequence, selection, and repetition in programs</p> <p>CS7 Work with variables and various forms of input and output</p> <p>CS8 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>					