Computing Skills Progression Map

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

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	''That's All, Folks!'	'Athens v Sparta'	'Lindow Man'	'Rocky the Finosaur'	Out and About	Under the Canopy	'Come Fly With Me!'
Y3	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	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				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	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

	'Lightning Speed'	'Law and Order'	'Viking Warrior'	'May the Force Be With You'	'Saxon King'	Picture Our Planet	'Cry Freedom'
Y4	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 effectsIT4 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	

Computing Skills Progression Map

	'Mission Control'	'You're Not Invited'	'Fighting Footballer	'Go With The Flow'	'Pharaoh Queen'	'Global Warning'	'Come Fly With Me!'
Y5	Mm10 Analyse, describe and discuss the effectiveness of the work with ICT Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes 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 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. IT7 Understand computer networks including the Internet, recognizing how they can provide multiple services, such as the world-wide-web. IT8 Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Mm10 Analyse, describe and discuss the effectiveness of the work with ICT 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				Mm10 Analyse, describe and discuss the effectiveness of the work with ICT Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes 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 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 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.	D5 Use ICT to explore and develop simple models by changing variables and simple formulae D6 Answer questions by using ICT to identify, collect, store, analyse and present information D7 Represent data from analysis in appropriate ways, including the use of graphs 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
Y6	'A World of Bright Ideas'	'Wars of the World'	'True Crime'	'In Your Element'	'Time Team'	'Full of Beans'	'I Have a Dream...'

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	Mm10 Analyse, describe and discuss the effectiveness of the work with ICT Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes 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 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 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.			Mm10 Analyse, describe and discuss the effectiveness of the work with ICT Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes 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 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 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.	Mm10 Analyse, describe and discuss the effectiveness of the work with ICT Mm11 Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effect to enhance outcomes 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 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 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. 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