	Eastcote Primary Academy - Computing Progression Map							
	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
computing systems	Nursery and	Nursery and	-To identify	-To recognise the	-To explain how	-To describe how	-To explain that	-To explain the
and networks	Reception	Reception	technology	uses and features of	digital devices	networks physically	computers can be	importance of
	Please note: Early	Please note: Early	-To identify a	information	function -To identify	connect to other	connected together	internet addresses
	Years use the EYFS	Years use the EYFS	computer and its	technology	input and output	networks	to form systems -To	-To recognise how
	Framework and do	Framework and do	main parts	-To identify the uses	devices -To recognise	-To recognise how	recognise the role of	data is transferred
	not engage in subject	not engage in subject	To use a mouse in	of information	how digital devices	networked devices	computer systems in	across the internet
	specific study. They	specific study. They	different ways	technology in the	can change the way	make up the internet	our lives -To	-To explain how
	are building pre-	are building pre-	-To use a keyboard to	school	we work -To explain	-To outline how	experiment with	sharing information
	requisite foundational	requisite foundational	type on a computer	-To identify	how a computer	websites can be	search engines -To	online can help
	skills that will allow	skills that will allow	-To use the keyboard	information	network can be used	shared via the World	describe how search	people to work
	them to access the	them to access the	to edit text	technology beyond	to share information -	Wide Web (WWW)	engines select results	together
	computing curriculum	computing curriculum	-To create rules for	school	To explore how digital	-To describe how	-To explain how	-To evaluate different
	in the future.	in the future.	using technology	-To explain how	devices can be	content can be added	search results are	ways of working
	Please see EYFS	Please see EYFS	responsibly	information	connected -To	and accessed on the	ranked -To recognise	together online
	Curriculum Overview	Curriculum Overview		technology helps us	recognise the physical	World Wide Web	why the order of	-To recognise how we
	for Reception and	for Reception and		-To explain how to	components of a	(WWW)	results is important,	communicate using
	Nursery for further	Nursery for further		use information	network	-To recognise how the	and to whom	technology
	information	information		technology safely		content of the WWW		-To evaluate different
				-To recognise that		is created by people		methods of online
				choices are made		-To evaluate the		communication
				when using		consequences of		
				information		unreliable content		
				technology				

programming	А	Α	Α	А	А	A-
	-To explain what a	-To describe a series	-To explore a new	-To identify that	-To control a simple	To define a 'variable'
	given command will	of instructions as a	programming	accuracy in	circuit connected to a	as something that is
	do	sequence	environment	programming is	computer	changeable -To
	-To act out a given	-To explain what	-To identify that	important	-To write a program	explain why a variable
	word	happens when we	commands have an	- To create a program	that includes count-	is used in a program -
	-To combine forwards	change the order of	outcome	in a text-based	controlled loops	To choose how to
	and backwards	instructions	-To explain that a	language	-To explain that a	improve a game by
	commands to make a	-To use logical	program has a start	- To explain what	loop can stop when a	using variables -To
	sequence	reasoning to predict	-To recognise that a	'repeat' means	condition is met	design a project that
	-To combine four	the outcome of a	sequence of	- To modify a count-	-To explain that a	builds on a given
	direction commands	program	commands can have	controlled loop to	loop can be used to	example -To use my
	to make sequences	-To explain that	an order	produce a given	repeatedly check	design to create a
	-To plan a simple	programming projects	-To change the	outcome	whether a condition	project -To evaluate
	program	can have code and	appearance of my	- To decompose a	has been met	my project
	-To find more than	artwork	project	task into small steps	-To design a physical	В
	one solution to a	-To design an	-To create a project	- To create a program	project that includes	-To create a program
	problem	algorithm	from a task	that uses count-	selection	to run on a
	в	-To create and debug	description	controlled loops	-To create a program	controllable device
	-To choose a	a program that I have	В	В	that controls a	-To explain that
	command for a given	written	-To explain how a	-To develop the use	physical computing	selection can control
	purpose	В	sprite moves in an	of count-controlled	project	the flow of a program
	- To show that a	-To explain that a	existing project	loops in a different	В	-To update a variable
	series of commands	sequence of	-To create a program	programming	-To explain how	with a user input
	can be joined	commands has a start	to move a sprite in	environment	selection is used in	-To use a conditional
	together	-To explain that a	four directions	-To explain that in	computer programs	statement to
	- To identify the effect	sequence of	-To adapt a program	programming there	-To relate that a	compare a variable to
	of changing a value	commands has an	to a new context	are infinite loops and	conditional statement	a value
	- To explain that each	outcome	-To develop my	count controlled	connects a condition	-To design a project
	sprite has its own	-To create a program	program by adding	loops	to an outcome	that uses inputs and
	instructions	using a given design	features	-To develop a design	-To explain how	outputs on a
	- To design the parts	-To change a given	-To identify and fix	that includes two or	selection directs the	controllable device
	of a project	design	bugs in a program	more loops which run	flow of a program	-To develop a
	- To use my algorithm	-To create a program	-To design and create	at the same time	-To design a program	program to use inputs
	to create a program	using my own design	a maze-based	-To modify an infinite	which uses selection	and outputs on a
		-To decide how my	challenge	loop in a given	-To create a program	controllable device
		project can be		program	which uses selection	
		improved		-To design a project	-To evaluate my	
				that includes	program	
				repetition		
				-To create a project		
				that includes		
				repetition		

reating media		To describe what	-To use a digital	Α	Α	Α	-To recognise that
0		different freehand	device to take a	-To explain that	-To identify that	-To explain what	you can work in three
		tools do	photograph -To make	animation is a	sound can be	makes a video	dimensions on a
		-To use the shape tool	choices when taking a	sequence of drawings	recorded	effective	computer
		and the line tools	photograph -To	or photographs	-To explain that audio	-To identify digital	-To identify that
		-To make careful	describe what makes	-To relate animated	recordings can be	devices that can	digital 3D objects ca
		choices when	a good photograph -	movement with a	edited	record video	be modified
		painting a digital	To decide how	sequence of images -	-To recognise the	-To capture video	-To recognise that
		picture	photographs can be	To plan an animation	different parts of	using a range of	objects can be
		-To explain why I	improved -To use	-To identify the need	creating a podcast	techniques	combined in a 3D
			tools to change an	to work consistently	project	-To create a	model
		-To use a computer	image -To recognise	and carefully	-To apply audio	storyboard -To	-To create a 3D mod
		on my own to paint a	that photos can be	-To review and	editing skills	identify that video	for a given purpose
		picture	changed	improve an animation	independently	can be improved	-To plan my own 3D
		-To compare painting		-To evaluate the	-To combine audio to	through reshooting	model
		a picture on a		impact of adding	enhance my podcast	and editing	-To create my own
		computer and on		other media to an	project	-To consider the	digital 3D model
		paper		animation	-To evaluate the	impact of the choices	
		pape.			effective use of audio	made when making	
				В	В	and sharing a video	
				- To recognise how	To explain that the	В	
				text and images	composition of digital	-To identify that	
				convey information	images can be	drawing tools can be	
				-To recognise that	changed	used to produce	
				U	-To explain that	different outcomes	
				edited	colours can be	-To create a vector	
				-To choose	changed in digital	drawing by combining	
				appropriate page	images	shapes	
				settings	-To explain how	-To use tools to	
				-To add content to a	cloning can be used in	achieve a desired	
				desktop publishing	photo editing	effect	
				publication	-To explain that	-To recognise that	
				-To consider how	images can be	vector drawings	
				different layouts can	combined	consist of layers	
				suit different	-To combine images	-To group objects to	
				purposes	for a purpose	make them easier to	
				-To consider the	-To evaluate how	work with	
				benefits of desktop	changes can improve	-To apply what I have	
				publishing	an image	learned about vector	
				0		drawings	

data and information	Α	Α	-To create questions	-To explain how	-To use a form to	-To create a data set
	-To label objects	-To recognise that we	with yes/no answers	digital devices	record information	in a spreadsheet -To
	-To identify that	can count and	-To identify the	function	-To compare paper	build a data set in a
	objects can be	compare objects	attributes needed to	-To identify input and	and computer-based	spreadsheet -To
	counted	using tally charts	collect data about an	output devices	databases	explain that formulas
	-To describe objects	-To recognise that	object	-To recognise how	-To outline how you	can be used to
	in different ways	objects can be	-To create a	digital devices can	can answer questions	produce calculated
	-To count objects	represented as	branching database	change the way we	by grouping and then	data -To apply
	with the same	pictures	-To explain why it is	work	sorting data	formulas to data -To
	properties	-To create a	helpful for a database	-To explain how a	-To explain that tools	create a spreadsheet
	-To compare groups	pictogram	to be well structured	computer network	can be used to select	to plan an event -To
	of objects	-To select objects by	-To plan the structure	can be used to share	specific data	choose suitable ways
	-To answer questions	attribute and make	of a branching	information	-To explain that	to present data
	about groups of	comparisons	database	-To explore how	computer programs	
	object	-To recognise that	-To independently	digital devices can be	can be used to	
	B	people can be	create an	connected	compare data visually	
	-To use a computer to	described by	identification tool	-To recognise the	-To use a real-world	
	write	attributes		physical components	database to answer	
	-To add and remove	-To explain that we		of a network	questions	
	text on a computer	can present				
	-To identify that the	information using a				
	look of text can be	computer				
	changed on a	В				
	computer	-To say how music				
	-To make careful	can make us feel				
	choices when	-To identify that there				
	changing text	are patterns in music				
	-To explain why I used	-				
	the tools that I chose	To experiment with				
	-To compare typing	sound using a device				
	on a computer to	-To use a device to				
	writing on paper	create a musical				
	- · · ·	pattern				
		-To create music for a				
		purpose				
		-To review and refine				
		our computer work				