



Cycle A – 2022 onwards - (beginning on even academic years)

	Reception	Year 1	Year 2	Year 3 and 4	Year 5 and 6
Autumn 1	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Digital Literacy Logging on and using PMNC: 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	Digital Literacy Effective SearchingInformation Technology Making MusicNC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Digital Literacy Online Safety NC: Recognise acceptable and unacceptable behaviour using technology. Use technology safely, respectfully and responsibly. Identify a range of ways to report concerns about content and contact.	Digital Literacy Online Safety NC: use technology safely, respectfully and responsibly.
Autumn 2	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Information Technology Getting started NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Creating Pictures NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Digital Literacy Effective Searching NC: Use search tech effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content. NC: Identify a range of ways to report concerns about content and	Computer Science Coding NC: use sequence, selection, and repetition in programs; work with variables and various forms of input and output





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				contact. NC: Select, use and combine a variety of content to accomplish given goals, including collecting, analysing, evaluating and presenting data and information NC: Understand what computer networks do and how they provide multiple services.	
Spring 1	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Information Technology Pictograms and spreadsheets NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Spreadsheets Presenting Ideas NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Spreadsheets NC: 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. NC: Use logical reasoning to explain	Computer Science Networks NC: 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 NC: use search technologies effectively, appreciate how results are selected and ranked, and be discerning in





THINGS School					Chinary Shird
				how some simple algorithms work and to detect and correct errors in algorithms and programs	evaluating digital content.
Spring 2	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Computer Science Coding NC: Create and debug simple programs; Use logical reasoning to predict the behaviour of simple programs NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	Information Technology Creating Pictures NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Sharing and Presenting ideas NC: 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.	Computer Science Coding NC: design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts NC: use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
Summer 1	Technology aspects including beebots, remote control devices.	Digital Literacy Technology outside of school	Digital Literacy Online safety NC: Use technology	Algorithms and programming - Logo NC: Use sequence,	Information Technology Animation NC: select, use and
	Online Safety is also covered – explain the	NC: Recognise common uses of information	safely and respectfully, keeping personal	selection, and repetition in programs;	combine a variety of software (including



Computing Cycle A & B Overview



Things School					Alanany School
	reasons for rules, know right from wrong and behave accordingly.	technology beyond school	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.	work with variables and various forms of input and output. NC: Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	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
Summer 2	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Information Technology Animated story NC: use logical reasoning to predict the behaviour of simple programs. NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Computer Science Coding NC: Create and debug simple programs; Use logical reasoning to predict the behaviour of simple programs NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	Algorithms and programming Coding NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. NC: Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve	Digital Literacy Online Safety NC: recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact





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			decomposing them into		
			smaller parts		



Computing Cycle A & B Overview Cycle B – 2023 onwards - (beginning on odd academic years)



	Reception	Year 1	Year 2	Year 3 and 4	Year 5 and 6
Autumn 1	Technology aspects including beebots, remote control devices.	Digital Literacy Logging on and using PM	Information Technology Getting started	<u>Digital Literacy</u> <u>Online Safety</u>	Digital Literacy Online Safety
	Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	NC: 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	NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	NC: Use technology respectfully and responsibly. NC: Identify a range of ways to report concerns about content and contact.	NC: use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.
Autumn 2	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Information Technology Getting started NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Digital LiteracyEffective SearchingInformation TechnologyMaking MusicNC: use technologypurposefully to create,organise, store,manipulate and retrievedigital content	Digital Literacy Email NC: Understand what computer networks do and how they provide multiple services.	<u>Computer Science</u> <u>Coding</u> NC: use repetition in programs; work with variables NC: design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into small parts



Computing Cycle A & B Overview



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Spring 1	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Information Technology Pictograms and spreadsheets NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Spreadsheets Presenting Ideas NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information Technology Branching Databases NC: 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 Manipulate and improve digital images	Information Technology Word Processing NC: select, use and combine a variety of software (including internet services) on a range of digital devices to design an create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. NC: use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
Spring 2	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Computer Science Coding NC: Create and debug simple programs; Use logical reasoning to predict the behaviour of simple programs	Information Technology Creating Pictures NC: use technology purposefully to create, organise, store, manipulate and retrieve digital content	Information <u>Technology</u> <u>Spreadsheets &</u> <u>Graphing</u> NC: select, use and combine a variety of software (including internet services) on a range of digital devices	Computer Science Coding NC: design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems





School School					thouse Start
		NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions		to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	by decomposing them into smaller parts NC: use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
Summer 1	Technology aspects including beebots, remote control devices. Online Safety is also covered – explain the reasons for rules, know right from wrong and behave accordingly.	Digital Literacy Technology outside of school NC: Recognise common uses of information technology beyond school	Digital Literacy Online safety NC: 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.	Algorithms and programming Coding/simulations N.C: Design a sequence of instructions including directional instructions N.C Write programs that accomplish specific goals NC: Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	Information Technology Spreadsheets NC: 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
Summer 2	Technology aspects including beebots, remote control devices.	Information Technology Animated story	Computer Science Coding NC: Create and debug simple programs; Use	Algorithms and programming Coding/simulations	Information Technology 3D Modelling NC: select, use and combine a variety of



Computing Cycle A & B Overview



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Online covere reason right f	red – explain the ons for rules, know from wrong and ve accordingly.	 NC: use logical reasoning to predict the behaviour of simple programs. NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	logical reasoning to predict the behaviour of simple programs NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	N.C: Design a sequence of instructions including directional instructions N.C Write programs that accomplish specific goals NC: Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	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