COMPUTING LONG TERM OVERVIEW – TOPICS

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Nursery	Exploring Hardware- Taking pictures.		All about instructions- Following simple instructions.		Using a Computer- Keyboards and Mouse Control	
Reception	Using a Computer- Keyboards and Mouse Control.		Introduction to Data- Creating and Using Data.		Programming Beebots- Directions.	
Y1	Getting Started- Basic ICT Skills.	Algorithms Unplugged- Following Directions.	Internet Safety	Introduction to Data- Creating and using Data.	Digital Imagery- Taking and Editing Photos.	Rocket to the Moon-Design and create.
Y2	What is a computer? Understanding computer parts.	Word Processing- Writing and typing.	Internet Safety	Programming- Using Scratch.	Stop Motion-Using cameras.	International Space Station- Design and create.
Y3	Journey inside a computer- Computer parts- Inputs and Outputs.	Networks and the Internet- How does what I post online affect me?	Internet Safety	Programming- Using Scratch.	Emailing- How to communicate with others online.	Top trumps databased- Collecting and using data.
Y4	Computational Thinking- Developing the four areas of thinking.	Coding-Using Scratch.	Internet Safety	Website Design- Creating Google Sites.	HTML-Editing webpages.	Investigation Weather- Collecting and using data
Y5	Mars Rover 1- Collecting and using data	Mars Rover 2- 3D design Skills.	Internet Safety	Stop Motion Animation-Using cameras.	Search Engines- Research skills and finding accurate information.	Programming Music-Creating sounds and melodies.
Y6	Big Data 1- QR codes and barcodes.	Bletchley Park 1- Code braking and password Hacking.	Internet Safety	Bletchley Park 2-WWII and the first computers.	Introduction to Python- Programming and coding.	Skills Showcase- Designing and new product.

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