

LTP for 2023-2024: Computing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Notes
Year R	Topic - Computer Science: Programming Concepts and Controlling Hardware – Computational thinking						
	Topic - Information Technology: Knowledge & Understanding – Children explore a range of mostly non-screen based activities						
	Topic - Information Technology: Media & Sound – Media & Sound Foundations						
	Topic - Digital Literacy - Operational Core Skills - hand-eye coordination - Internet safety – explore internet safety concepts						
Year 1	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Media & sound	Topic - Computer Science: Programming concepts and controlling hardware	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	
	IT Around us: Technology around us	Digital Design: Digital painting	Hardware: Moving a robot	Programming Concepts: Introduction to animation	Data & Information: Grouping data	Digital Design: Digital writing	
	Topic - Digital Literacy - Operational Core Skills – use websites and apps, save and retrieve - Internet Safety						
Year 2	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	
	Programming Concepts: Click and go: Scratch junior	IT Around us: Computer systems and networks	Controlling Hardware: Robot algorithms	Digital Design: Making music	Digital Design: Digital photography	Data & Information: Pictograms	
	Topic - Digital Literacy - Operational Core Skills – create and manipulate text, use keyboard, change text. Two-finger scrolling, shift key and deleting. - Internet Safety						
Year 3	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	

	Digital Design: Book creator	Data & Information: Branching databases	IT Around us: Connecting computers	Programming Concepts: Sequence in music	Digital Design: Animation	Programming Concepts: Events and actions	
	Topic - Digital Literacy <ul style="list-style-type: none"> - Operational Core Skills – use software to edit and improve work, use shift key for punctuation. Type written piece and use typing software. - Internet Safety 						
Year 4	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	
	IT Around us: The internet	Digital Design: Audio editing	Data & Information: Data logging	Programming Concepts: Repetition in shapes	Digital Design: Photo manipulation	Programming Concepts: Repetition with games	
	Topic - Digital Literacy <ul style="list-style-type: none"> - Operational Core Skills – improve typing skills. Digital spell-check. Use multiple tabs or move between different apps. - Internet Safety 						
Year 5	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	Topic - Computer Science: Programming concepts and controlling hardware	
	IT Around us: Systems and searching	Digital Design: Video editing	Digital Design: Vector drawing	Data & Information: Flat-file databases	Controlling Hardware: Selection with Microbits	Programming Concepts: Selection in quizzes	
	Topic - Digital Literacy <ul style="list-style-type: none"> - Operational Core Skills – competent and confident users of web-based programs. Improve typing skills. Use digital thesaurus. - Internet Safety- 						
Year 6	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	Topic – Information Technology: Knowledge & Understanding	Topic - Computer Science: Programming concepts and controlling hardware	
	IT Around us: Communication and collaboration	Digital Design: 3D modelling	Digital Design: Webpage creation	Programming Concepts: Variables in games	Data & Information: Spreadsheets	Controlling Hardware: Sensing with Microbits	
	Topic - Digital Literacy <ul style="list-style-type: none"> - Operational Core Skills – look critically at on-screen pieces and reorder as necessary. Type at speed. Use digital spell checkers and thesaurus with confidence. - Internet Safety 						