





































RAB Computing Curriculum – Long Term Plan

 Digital Literacy	 Digital Literacy	 Digital Literacy	 Information Technology	 Computer Science
Computers and the Internet	Creating Media (use of tools)	E-safety	Data and the effective use of tools	Programming and Algorithms

	E-safety Unit – Autumn 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Continual exposure to technology through the use of the interactive whiteboard in phonics and maths. Independent access to Yoto player, listening to digital audio and using controls to adjust volume and make selections.						
Year 1	 Digital Literacy	 Digital Literacy		 Computing Science	 Computer Science		 Digital Literacy
	E-safety	Computer systems, Safety and Security & Impact of Technology: <i>Technology around us</i>		Algorithms and programming: <i>Moving a robot</i>	Algorithms and Programming: <i>Programming animations</i>		Creating Media & Effective use of tools: <i>Digital writing</i>
	Technology used: Ipads	Technology used: Ipads		Technology used: Beebots	Technology used: Ipads		Technology used: Ipads Curriculum links: English (writing)
Year 2	 Digital Literacy		 Programming and Algorithms		 Digital Literacy	 Computer Science	 Information Technology
	E-safety		Robot Algorithms		Creating media, Design and Development and Effective use of Tools: <i>Digital Photography</i>	Algorithms and Programming: <i>Programming quizzes</i>	Computing Systems, Data & Information: <i>Pictograms</i>
	Technology used: Ipad		Technology used: Ipads Curriculum links: Maths: Geometry (position and direction)		Technology used: Ipads	Technology used: Ipads	Technology Used: Ipads Curriculum Links: Maths- statistics



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	E-safety Unit – Autumn 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	 Digital Literacy	 Digital Literacy		 Digital Literacy	 Computer Science	 Computer Science	
	E-safety	Computer systems and networks: Connecting computers		Creating media, design and development and effective use of tools: Desktop publishing	Algorithms and programming: Sequencing sounds	Programming & design and development: Events and actions	
	Technology used: N/A	Technology used: Laptops		Technology used: Laptops Curriculum Links: English	Technology used: Ipads	Technology uses: Ipads	
Year 4	 Digital Literacy		 Digital Literacy	 Computer Science		 Computer Science	 Information Technology
	E-safety		Networks, safety and security: The internet	Algorithms and programming: Repetition in shape		Design and development, programming and algorithms: Repetition in games	Computing systems, data and information and effective use of tools: Data loggers
	Technology used: N/A		Technology used: Laptops	Technology used: Ipads Curriculum links: Maths - Geometry		Technology used: Ipads	Technology used: Data loggers
Year 5	 Digital Literacy	 Digital Literacy		 Computer Science	 Digital Literacy		 Computer Science
	E-safety	Creating media and effective use of tools: Vector drawing		Computing systems and programming: selection in quizzes	Networks, computer systems and the impact of technology: Sharing information		Computing systems & programming: Selection in physical computing
	Technology used: N/A	Technology used: Laptops		Technology used: Ipads	Technology used: Laptops		Technology used: Crumbles / Laptops Curriculum links: DT – electrical systems
Year 6	 Digital Literacy		 Computer Science	 Digital Literacy			 Information Technology
	E-safety		Programming, algorithms, design and developments: STEM Project	Creating media, design and development, safety and security: Web page creation			Data, information and effective use of tools: Introduction to spreadsheets
	Technology used: N/A		Technology used: Crumbles/laptops Curriculum links: STEM	Technology used: Laptops Curriculum links: prior learning in history and science			Technology used: Laptops Curriculum links: Maths