

Pegswood Primary School

Year 5 Coverage

Computing



Pegswood Primary School
Year Group Coverage – Computing



Year 5							
		Mars Rover 1	Mars Rover 2	Stop Motion Animation	Search Engines	Micro: bit	Programming: music
Vocabulary		Binary code, Data, Data transmission Discovery Distance, Input Moon, Numerical data Out, Signal Planet, Computer Radio signal Simulation Scientist, Space Sequence Astronomy	Algorithm Binary image Bit Bit pattern CAD Data Encode Image JPEG Memory computer Operating system Pixels	Animation, Still images, Moving images Thaumatrope Flip book, Zoetrope Frames, Stop motion, Digital device, Onion skinning, Storyboard Decomposition Character, Model Design, Animator Background, Edit Evaluate Fluid movement	Algorithms Company logo Data leak Inaccurate information Index Keywords Network Online Page rank TASK Wen crawler Website WWW	.hex file .zip file Bluetooth Code blocks Decompose Emulator Feature Loop Pedometer Predict Systematic Tinker Variable	Basic commands Bug/debug Code Error Live loop Pitch Program language Rhythm Soundtrack Tempo Timbre Tinker
Information Technology (Computers and Hardware)	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create [...] content that accomplish given goals, collecting, analysing evaluating and presenting data and information		✓		✓		✓
	Use search technologies effectively	✓	✓		✓		

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Computer Science (Computational Thinking)	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts		✓		✓	✓
	Use sequence, selection and repetition in programs and work with variables and various forms of input and output		✓		✓	✓
	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors I algorithms and programs				✓	
	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web	✓	✓			
	appreciate how results are selected and ranked		✓		✓	

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Digital Literacy and Online Thinking	Be discerning in evaluating digital content			✓		
	Understand the opportunities networks offer for communication and collaboration	✓				
	Use technology safely, respectfully and responsibly, recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact				✓	