

Pegswood Primary School

Year 6 Coverage

Computing



Pegswood Primary School
Year Group Coverage – Computing



Year 6							
		Bletchley Park 1	Bletchley Park 2	Introduction to Python	Big Data 1	Big Data 2	Skills Showcase
Vocabulary		Acrostic code Brute force hacking Caesar cipher Cipher Encrypt Invention Nth letter cipher Password Pigpen cipher Technological advancement Trial and error	Background Byte Computer CPU Memory storage Mouse OS Radio play RAM ROM Sound effects Touch screen Trackpad	Algorithm Code Computer command Decompose Import Loop Nested loop Random numbers Remix Script libraries Variable	Barcode Boolean Brand Commuter Contactless Data, Data privacy, Encrypt Infrared waves NFC, QR code Radio waves RFID, Signal Systems Data analyst Transmission	Big data Bluetooth Corrupt data Digital revolution GPS Infrared waves IoT QR code SIM Computer simulation Smart school/city	Input Information Invention Loop Output Photo Program Repetition Screenshot Selection Sequence Variable WWW
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 Safety	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	✓				✓