

Percentage	I can ...	Prove it!
	<p>Programming</p> <p>1.4 Advanced turtle</p>	<p>1.4 Use begin_fill() and end_fill() to colour in your chosen shapes. After your shapes are finished use the clear() function to erase all work.</p> <p>1.4 choose your turtle's starting point by selecting the correct coordinates, use goto/ set-x and set-y.</p>
	<p>1.7 Input/Output devices</p> <p>1.8 Understanding the components of a computer</p> <p>1.9 Understanding how to assemble a PC</p>	<p>1.7 List and describe 2 input and output devices. Now list and describe 2 devices that are both input and output devices (e.g Touch screen)</p> <p>1.8 Identify the 7 main components used in a desktop/home computer. Describe 2 duties for each device</p> <p>1.9 Assemble a working computer and disassemble your built computer safely.</p>
	<p>Programming</p> <p>1.3 Turtle letters and words</p>	<p>1.3 Use python turtle to write the first three letters of your name or all of your initials. Use colour to show further understanding.</p>
	<p>1.5 CPU and system performance</p> <p>1.6 CPU - Fetch, Decode, Execute cycle</p>	<p>1.5 What is the benefit to a higher cache memory size?</p> <p>1.5 One PC has more CPU cores than another PC, what effect will this have on processing power?</p> <p>1.6 Expand these computing abbreviations: MAR and MDR.</p> <p>1.6 When the CPU decodes instructions, where are the instructions stored?</p>
	<p>Python Programming</p> <p>1.2 Turtle Shapes</p>	<p>1.2 Use python turtle to draw squares, triangles, circles and hexagons. Make sure you use different colours.</p>
	<p>Computer hardware</p> <p>1.3 CPU - 3 main parts</p>	<p>1.3 Name each of the three main parts of a Central Processing Unit, explain the purpose of each one.</p> <p>What changes allow a different CPU to process data faster?</p>

	<p>1.2 CPU - Von Neumann architecture</p>	<p>1.4 FILL IN BLANKS Von _____ architecture used the idea of holding programs in the _____. Data would then move between the _____ and the _____. Memory, Processor, Unit, Memory, Neumann 1.4 The term 'Von Neumann architecture' relates to a computer with _____ shared between _____ instructions and _____. Data, Programming, Single, Memory.</p>
	<p>Programming 1.1 Computational thinking</p>	<p>1.1 List and explain what the three main techniques for Computational thinking are. 1.1 Show how you might use computational thinking to choose a drink from the nearby shop.</p>
	<p>1.1 The embedded system and Computer components.</p>	<p>1.1 Identify and describe the three main aspects that make a computer system embedded. Identify 7 computer components and describe one duty for each component.</p>

GCSE Computing

Autumn 1

Learning Ladder

Year 9

