Year 7 Computer Science Checklist

End of Year Assessment			
Student Checklist			
Computer Systems	R	A	G
I understand the difference between hardware and software			
I can say what the CPU, RAM, storage and motherboard are and what they do			
I can say what an operating system is and what it does			
I can identify the three logic gates			
I can say what the output would be from a logic circuit			
I can say how AI learns new information			
I can explain problems that AI might have			
Scratch Programming	R	A	G
I can identify the correct block to use for a specific purpose			
I can read through Scratch code and predict what it does			
I can explain how to use variables			
I can create Scratch code to move a sprite around the screen			
Computational Thinking	R	A	G

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I can explain what computational thinking is			
I can explain how a given problem could be broken down into smaller subtasks			
I can explain what information is important to a problem, and what can be ignored			
I can identify the correct shapes of a flowchart			

Computer Science	Link (add revision links- page no or online)
● BBC Bitesize Computer Science ○ Computational Thinking ○ Digital Devices	https://www.bbc.co.uk/bitesize/subjects/zvc9q6f
● Seneca ○ Computational Thinking ○ Hardware	https://senecalearning.com/en-GB/revision-notes/ks3/computer-science/national-curriculum
● Raspberry Pi Projects ○ Scratch tutorials	https://projects.raspberrypi.org/en/projects/getting-started-scratch/0