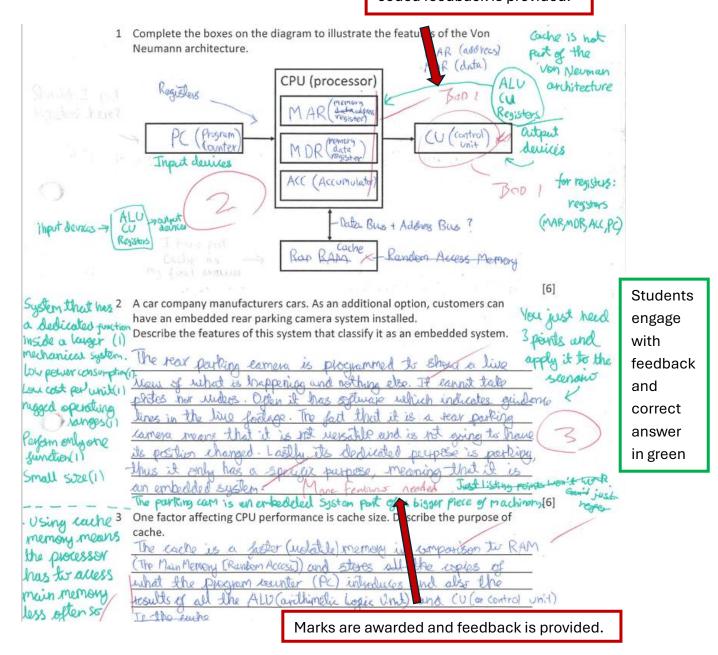
Computer Science KS4

Marks are awarded and coded feedback is provided.



Students are encouraged to research and investigate why they did not get full marks for a particular question. After this is completed, the engagement is checked and only then is the mark scheme shared.

	memory	neti	four of components bits inside the CPU between the registers, Alv and sends and receives control signals outside the CPU victions (FDF) Describe the purpose of the control unit. The willow wit (CV) decides if the task needs to be
			executed through the exithendic Logic Unit (ALV) or the (V. It decides up it is a numerical task or logical. [2]
Students engage with feedback and correct answer n green		6	A washing machine is an example of a device that has an embedded operating system. Describe what an embedded operating system is. The embedded operating system the is the physical by knows, buttons and for touchscreen I touchpanels which when pressed know what type of wash law eyele the person has chosen and decides how it will operate the machinery based on the input. This question is not meant for this text! for the future! (3) State the difference between the Memory Address Register (MAR) and the Memory Data Register (MDR). The MAR hads the address of the line in the RAM, which is brought in by the PC and through the address bus, but the MDR holds the data of the address which some from the data bus, in memory of the instruction or data to be. To vague [2]
	US T	7	A CPU contains many diff pecial purpose registers. State the names of two registers. State the names of two registers. State the names of two registers.
Marks are awarded and coded feedback		 	ACC (Accumilator): Holds the numerical malue which somes from the result of Calculations & of the ALV Carthrocke Logic unity
		8	PC (Program Counter): Hold the address of the d po the address of the bin infunction intended of the RAM. Bill (4) State the purpose of the CPU. To fetch, decode cend execute instructions from the user and/or programs. It allows till operations to occur in

Verbal feedback on topic misconceptions, or exam technique issues, are provided during lessons.

Students engage with

feedback

and correct answer in green