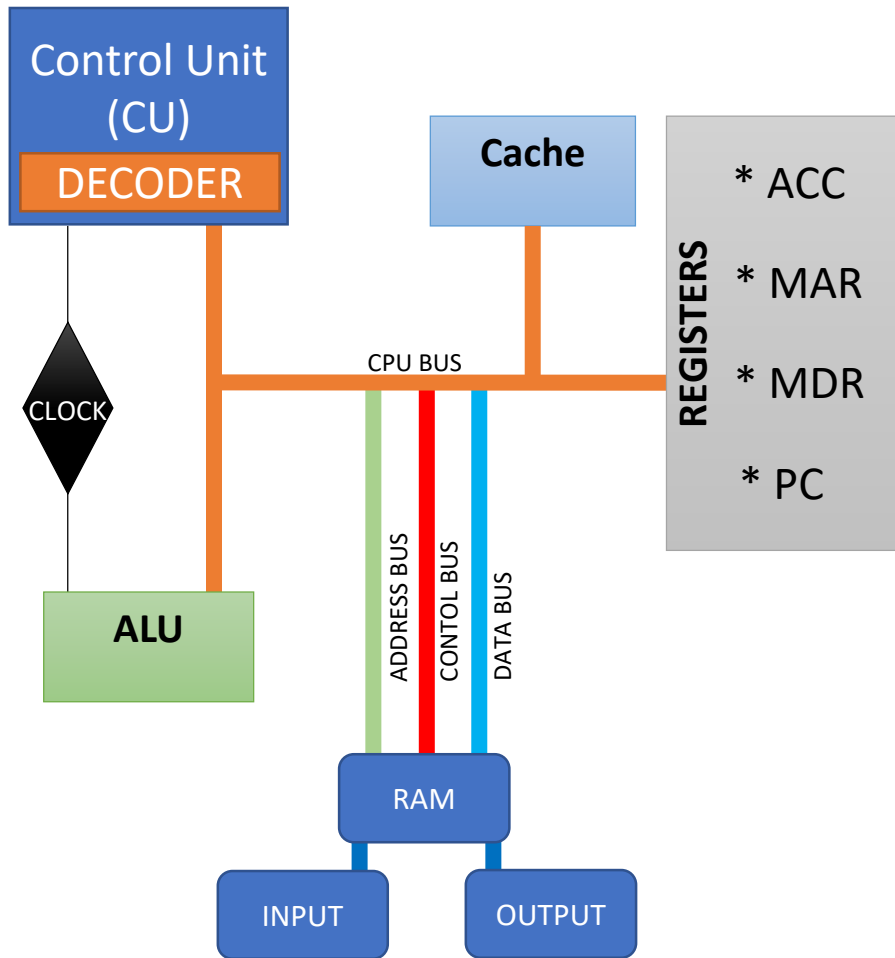
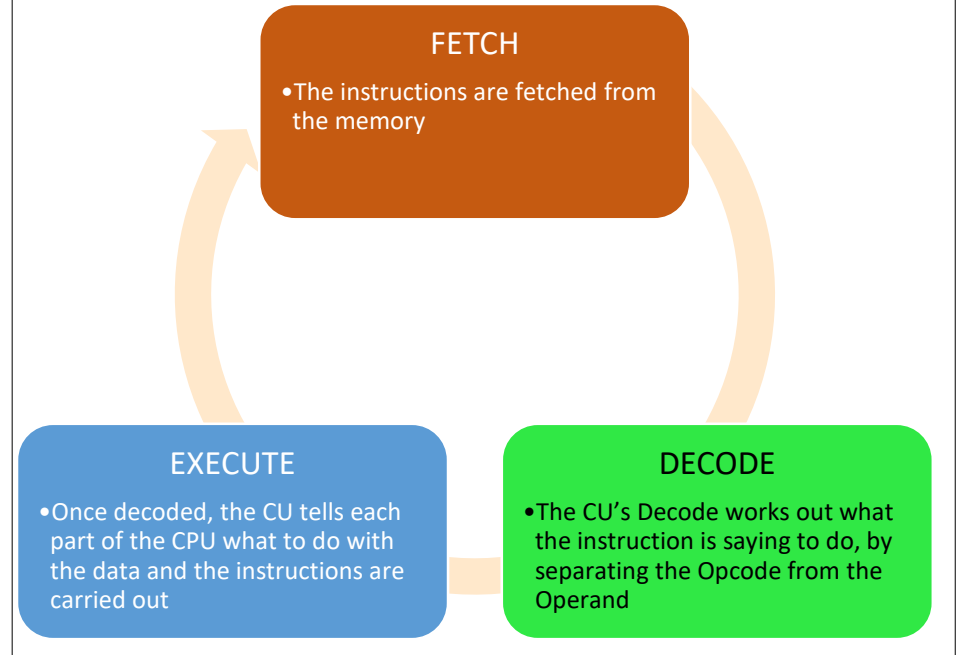


Computing GCSE – 1.1

BASIC DIAGRAM OF CPU



The FETCH – DECODE – EXECUTE cycle



KEY VOCABULARY

Machine Code	A program, stored in binary, that the CPU undertakes the FDE cycle on. All programs must be in machine code to work
Instruction	A single line of machine code, containing the command and data location on which it is to be executed. Stored in binary
Opcode	The first part of the instruction, is the command
Operand	The second part of the instruction is the data on which to carry out the command. This may be actual data stored in binary form, or a memory location reference of where to find the data

Multi Core Processing

Some processors have multiple CPU cores on one chip. They all have their own Level 1 cache, but share Level 2 cache, allowing them to collaborate quickly on large tasks.

