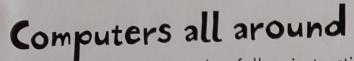
## Hardware Basics

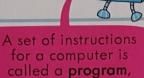
**IPOMS** 



Computers are machines that follow instructions. They come in all shapes and sizes – sometimes hidden inside other machines.







I'm opening a drawing app on my tablet.

or an app.



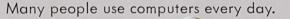
The app creates a blank 'page'.



Then it records what you draw.



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We're playing a game.

If you want to do something

Sometimes people don't even know they're using computers...

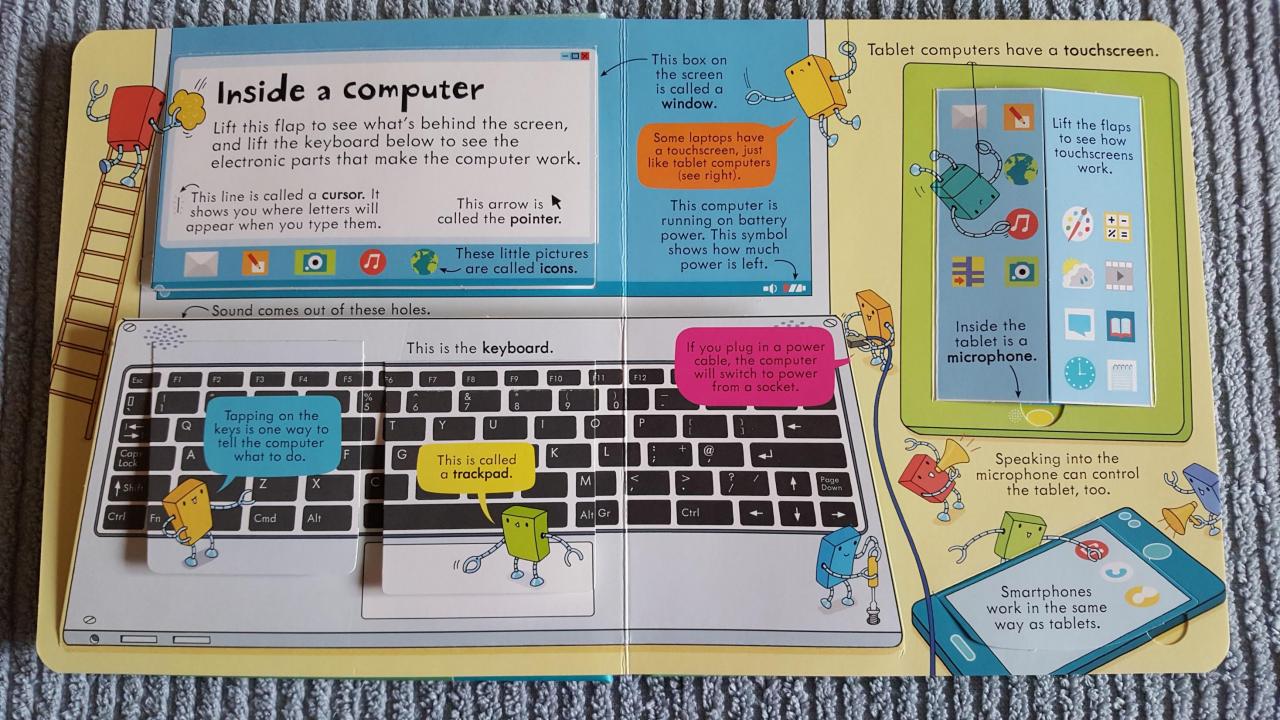


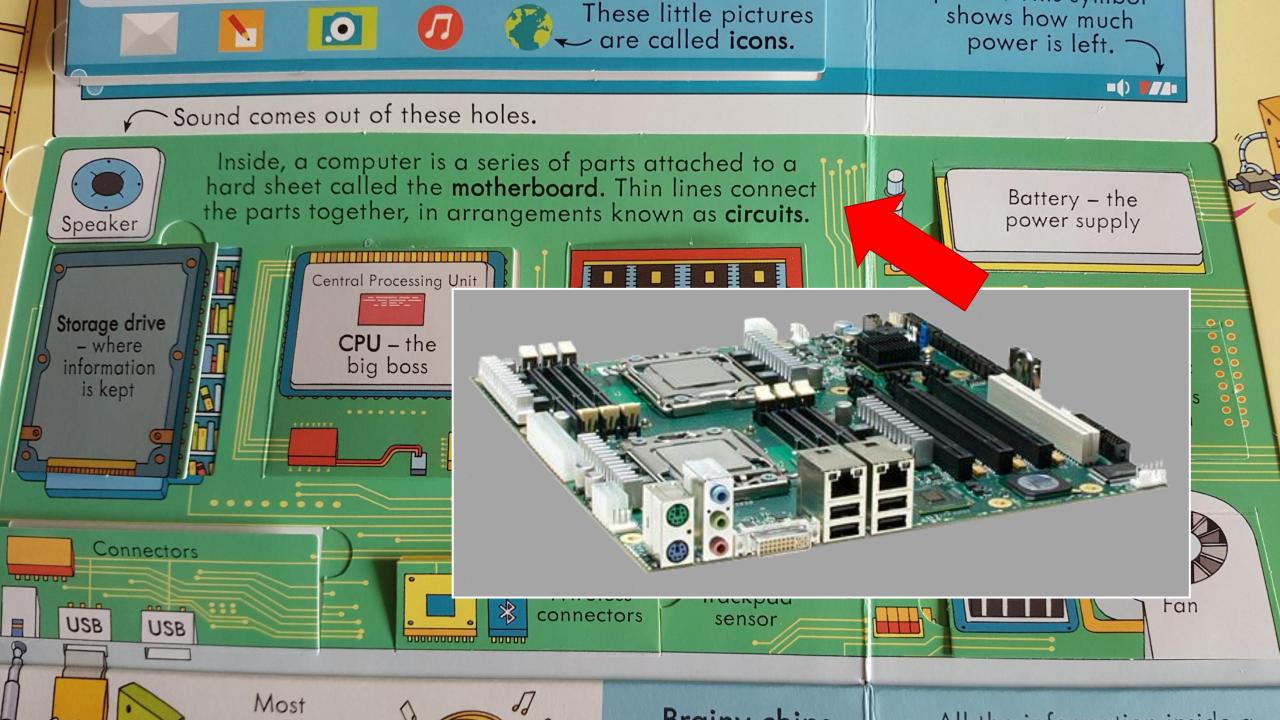
If you want to do something incredibly fast, or amazingly big, you can use a computer.





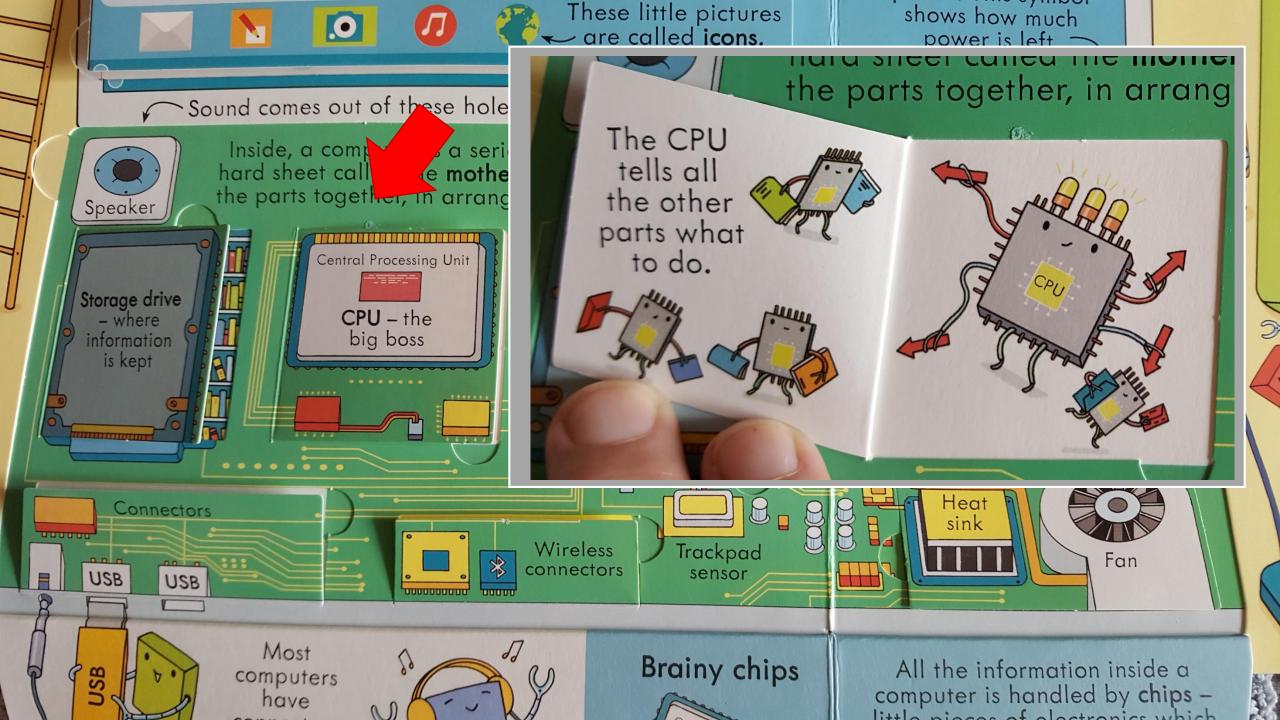


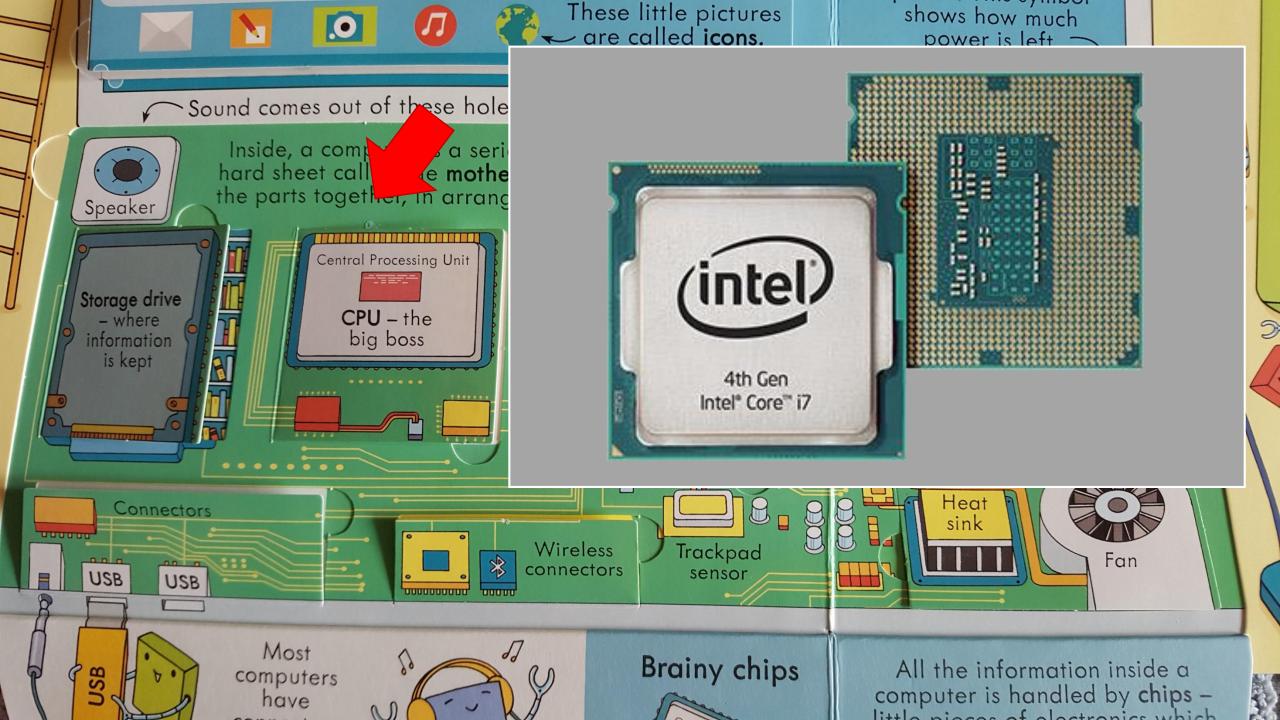


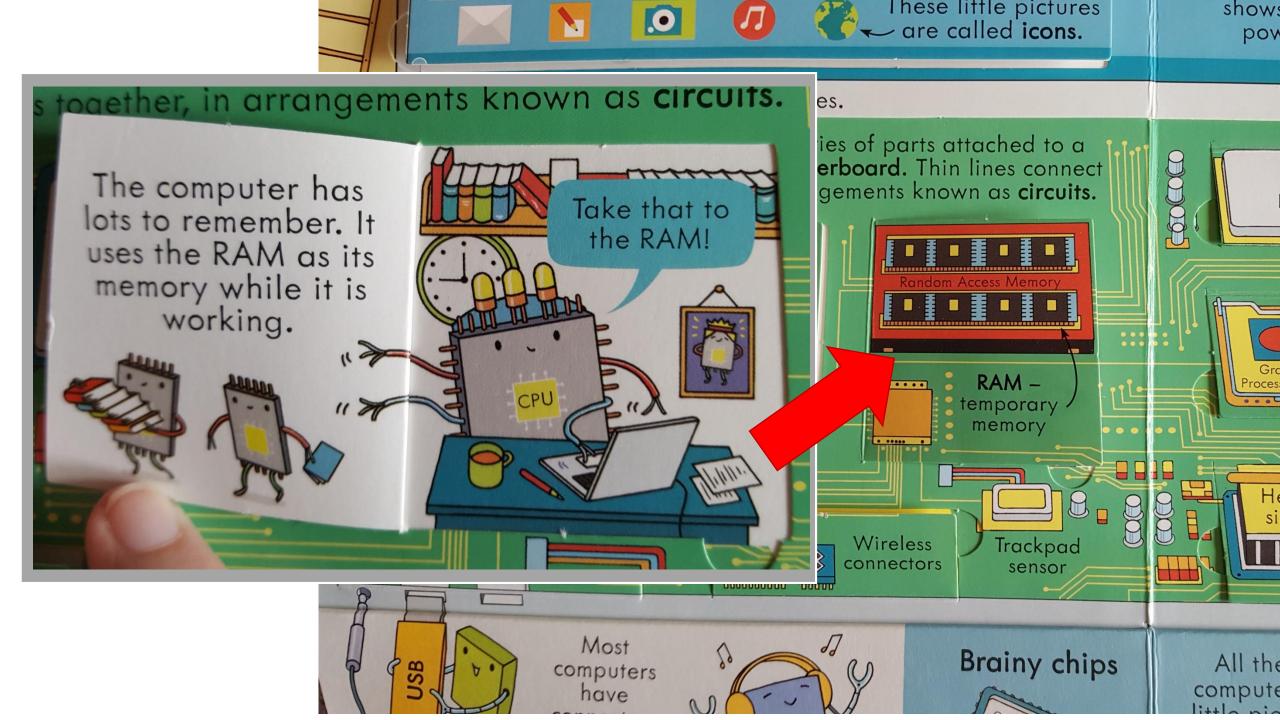


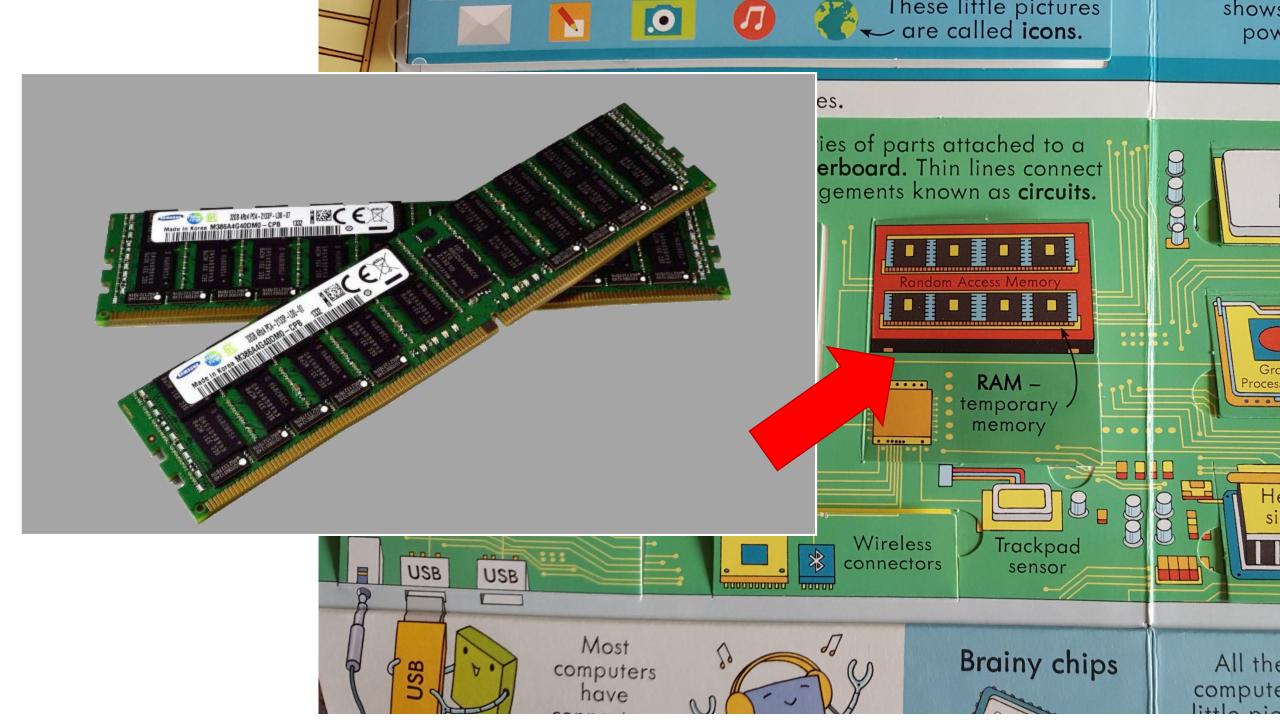


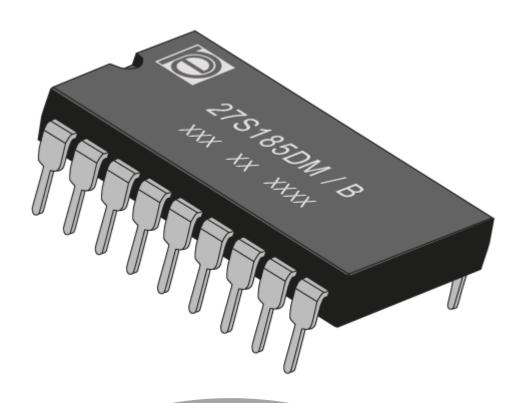




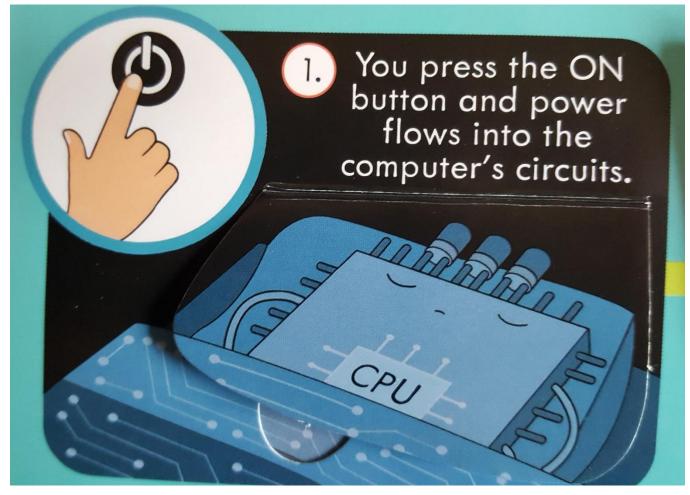


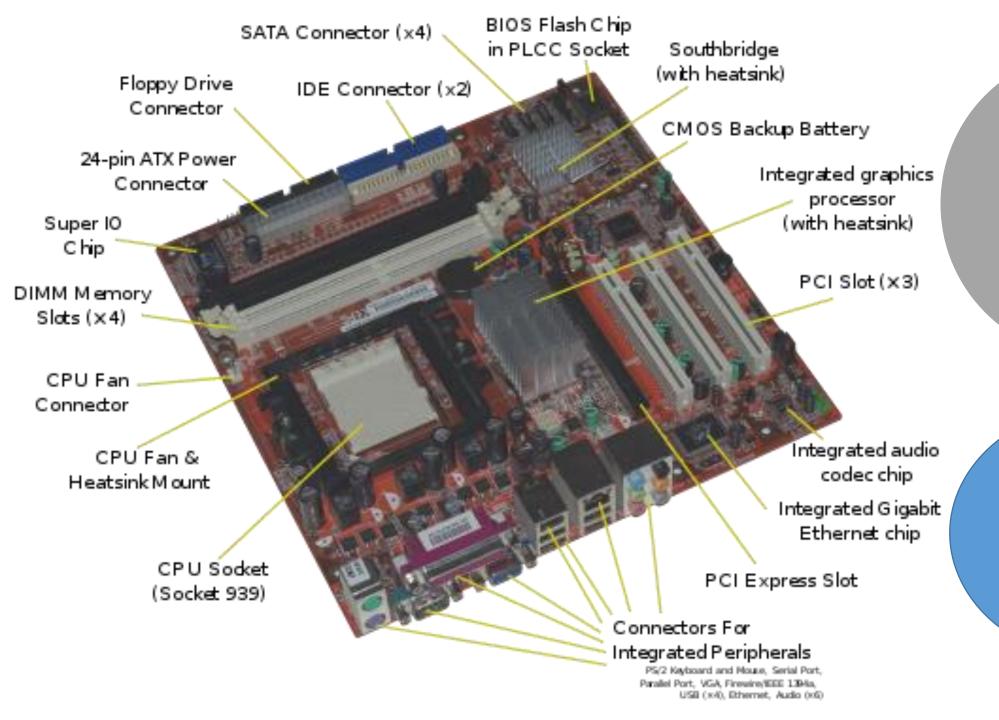






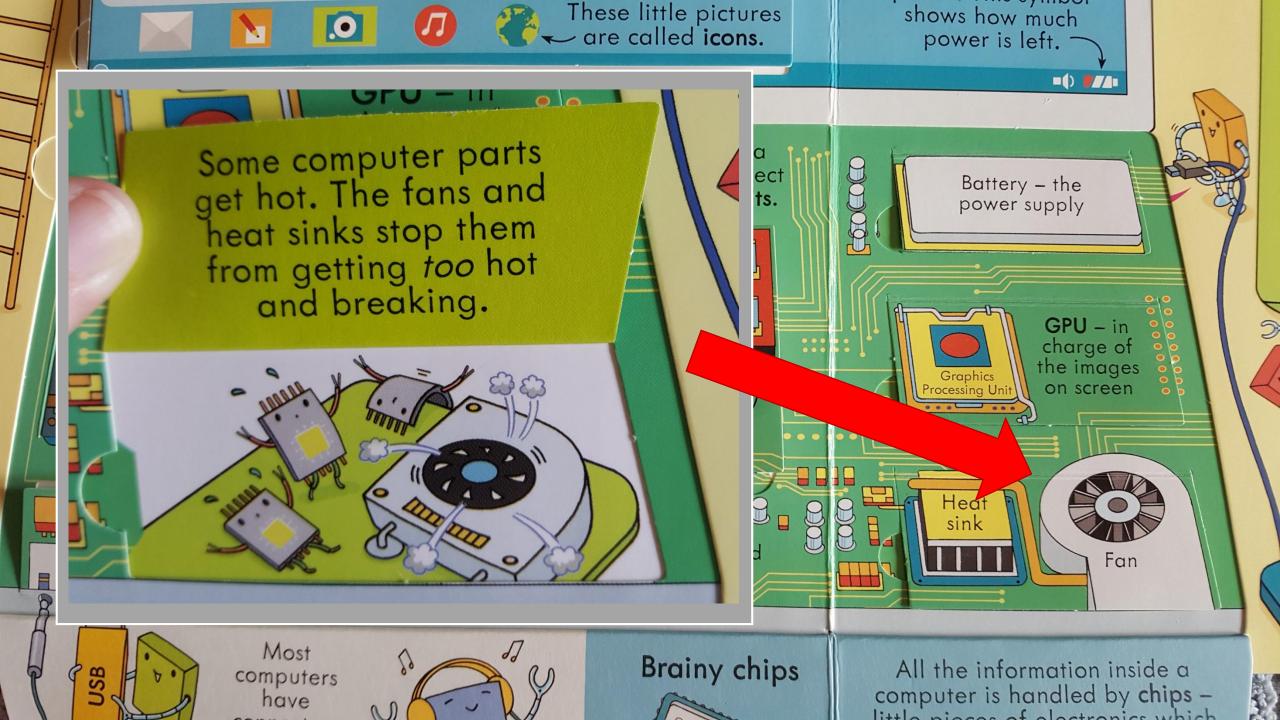
The ROM's job is to turn on – or wake up the computer. It is also on the motherboard.

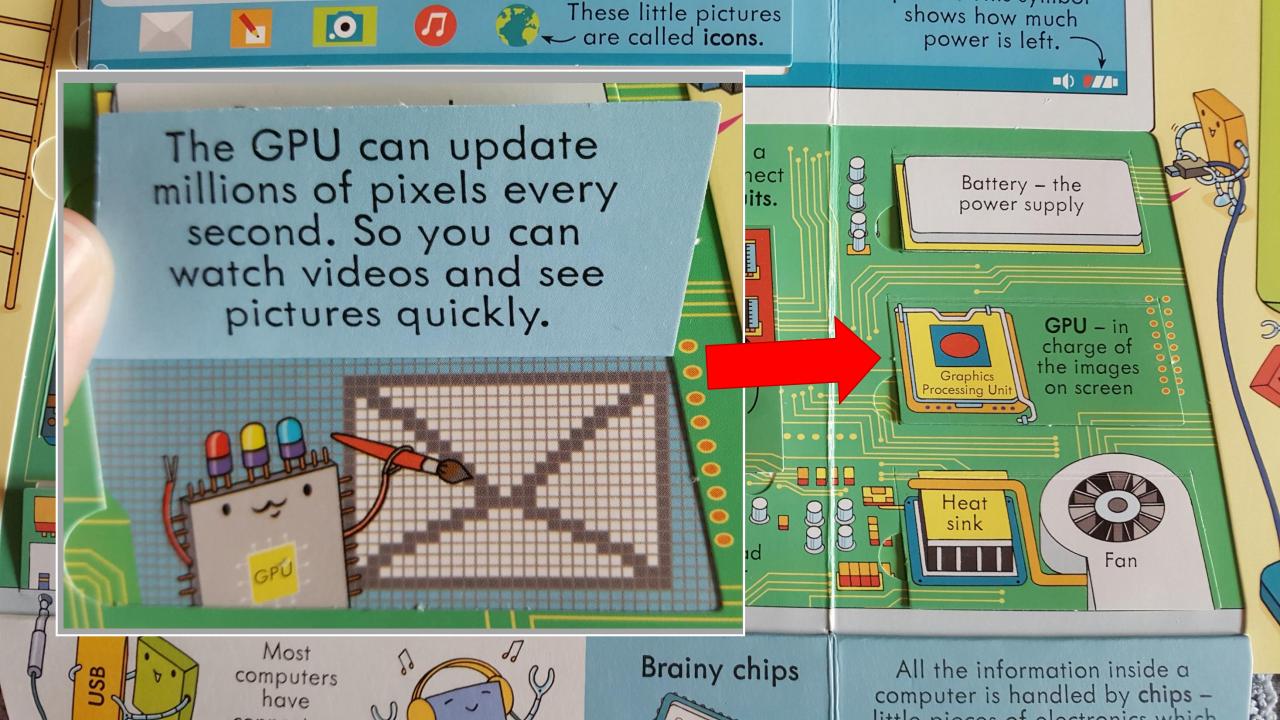


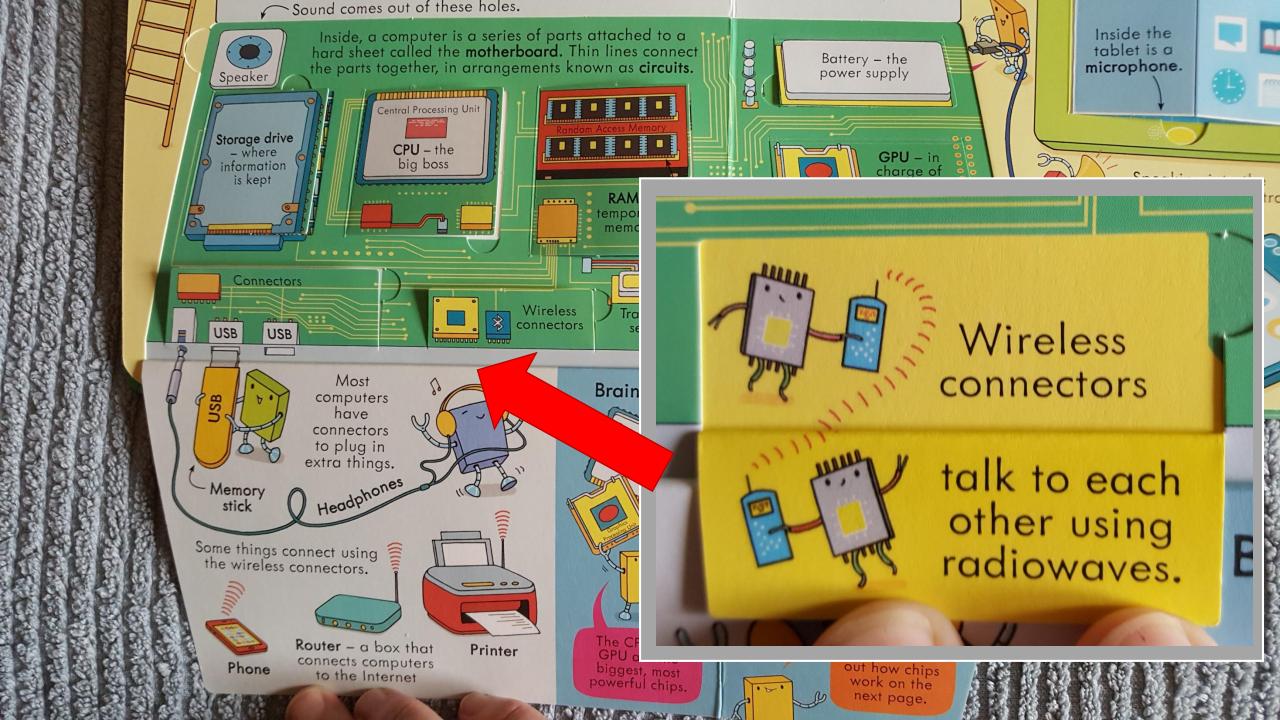


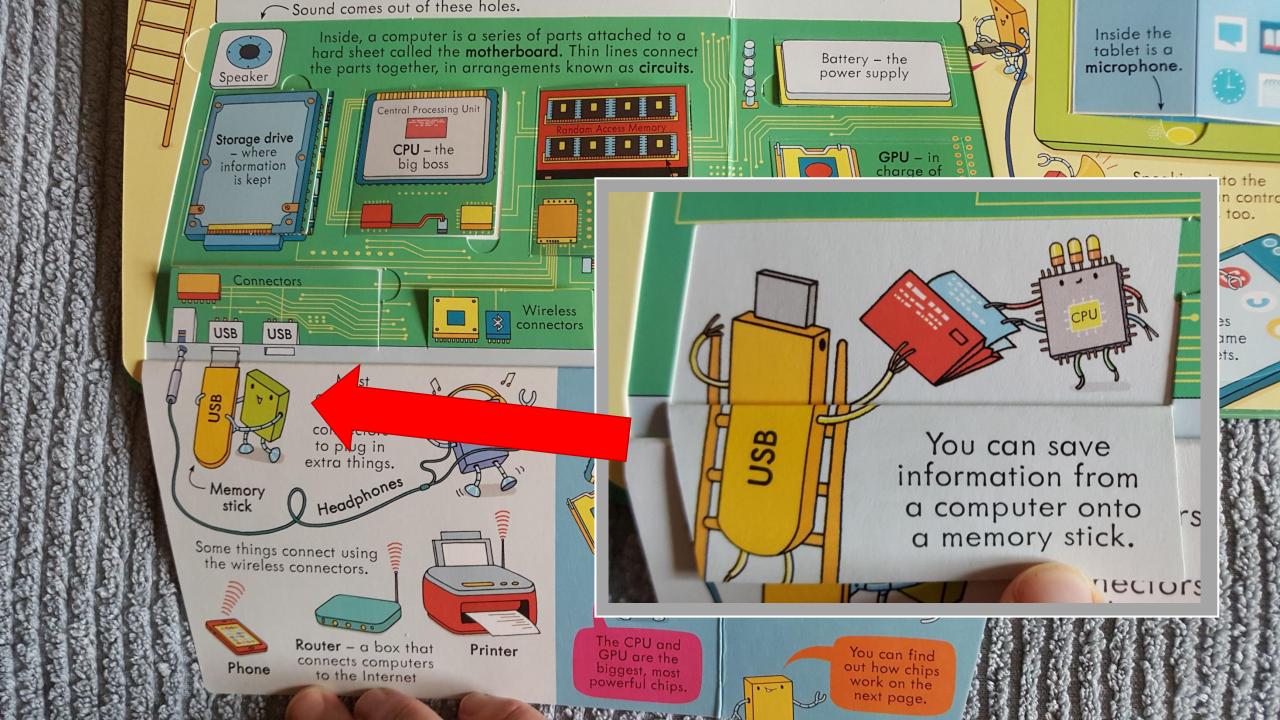
This is a labelled motherboard – with more detail that we need.

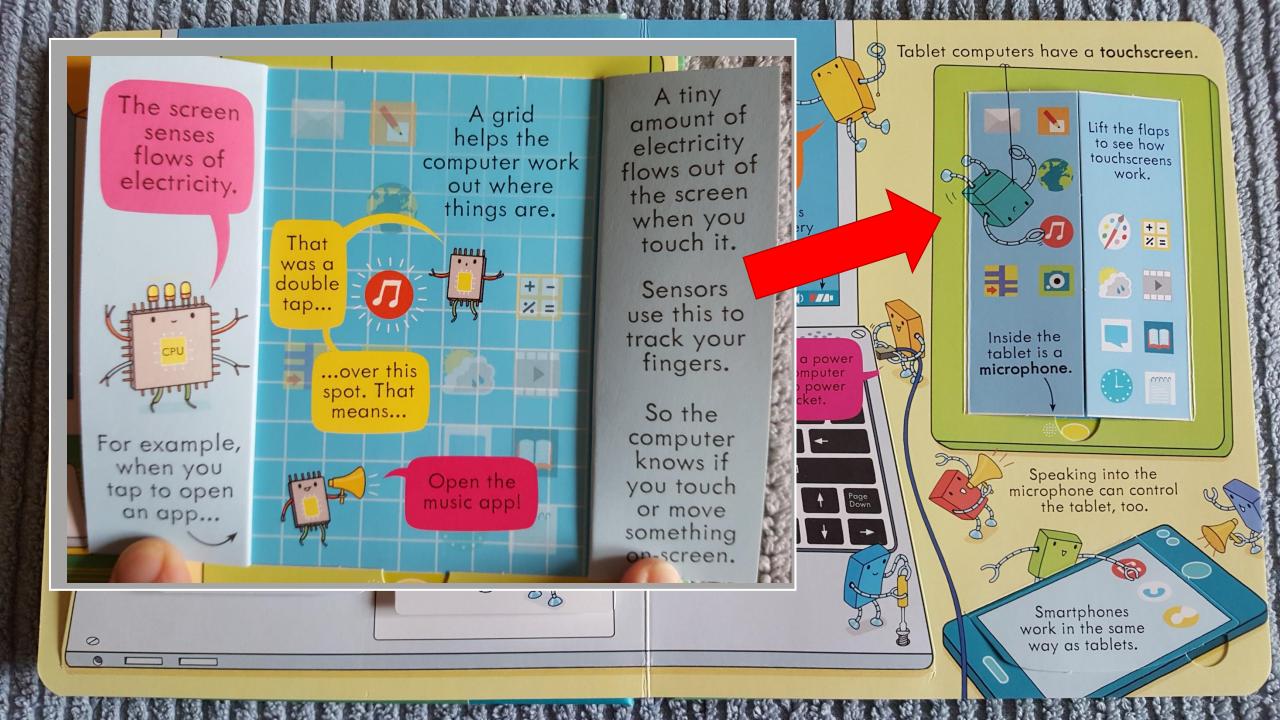
Locate the RAM, ROM, Motherboard and CPU.
Where is the HD?











## **Hardware Basics Summary**

Name	Examples	Purpose
Input	Keyboard, Mouse, Trackpad, Touchpad, Camera, Microphone, Touchscreen, Game Controller, RFID Tags, Barcodes	To get instructions from the user.
Processing	(all different names for the same thing) CPU, Processor, Chip	The brain of the computer.
Output	Screen, Printer, LCD Projector, Speakers, Touchscreen, 3D Printer, Robots	To give results to the user.
Memory	RAM (ROM too)	To remember small things for the CPU.
Storage	Hard Drive, USB Memory Stick (Flash Drive), SD Card, CD-ROM, DVD, Blu-Ray.	To remember big things, when power is off.

