

Information

Think about a car and all the components that make up a bike, all the little parts are essential for it to work. What would happen if a tyre fell off? What would happen if you lost the key to the bike chain that was protecting the bike? What would happen if you didn't have any handle bars? It's the same for digital systems like your phone, laptop or even game console. Just like a bike there are lots of different components to a digital system.

A digital system is made up of hardware and software components.

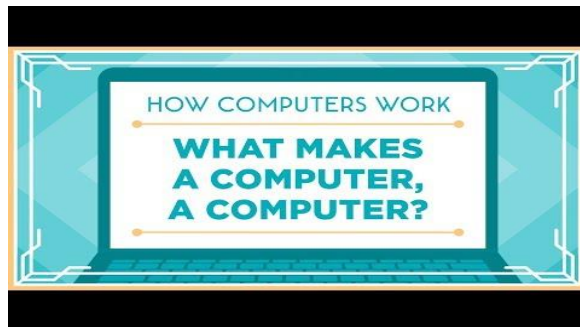
The following list are the common parts of a computer, ones you'll find in most digital systems.

- **CPU:** Central Processing Unit. This is like the brains of the computer, that controls what is happening.
- **Motherboard:** Where the CPU sits and allows information to get to the CPU.
- **Storage:** where you save your data (word documents on a laptop, contact details in a phone). The amount of storage you have will influence how much you can save. Have you ever run out of storage on a device? Get deleting!
- **Keyboard:** allows the user to input data.
- **Monitor:** allows the user to see the data.
- **Power Supply:** allows the device to work. This could be enabling a battery to charge a phone or mobile device or having access to a power cord to an electrical socket.

Video Resources

Click the image to access the video

These videos go into greater detail on how the components work together to get a computer working.



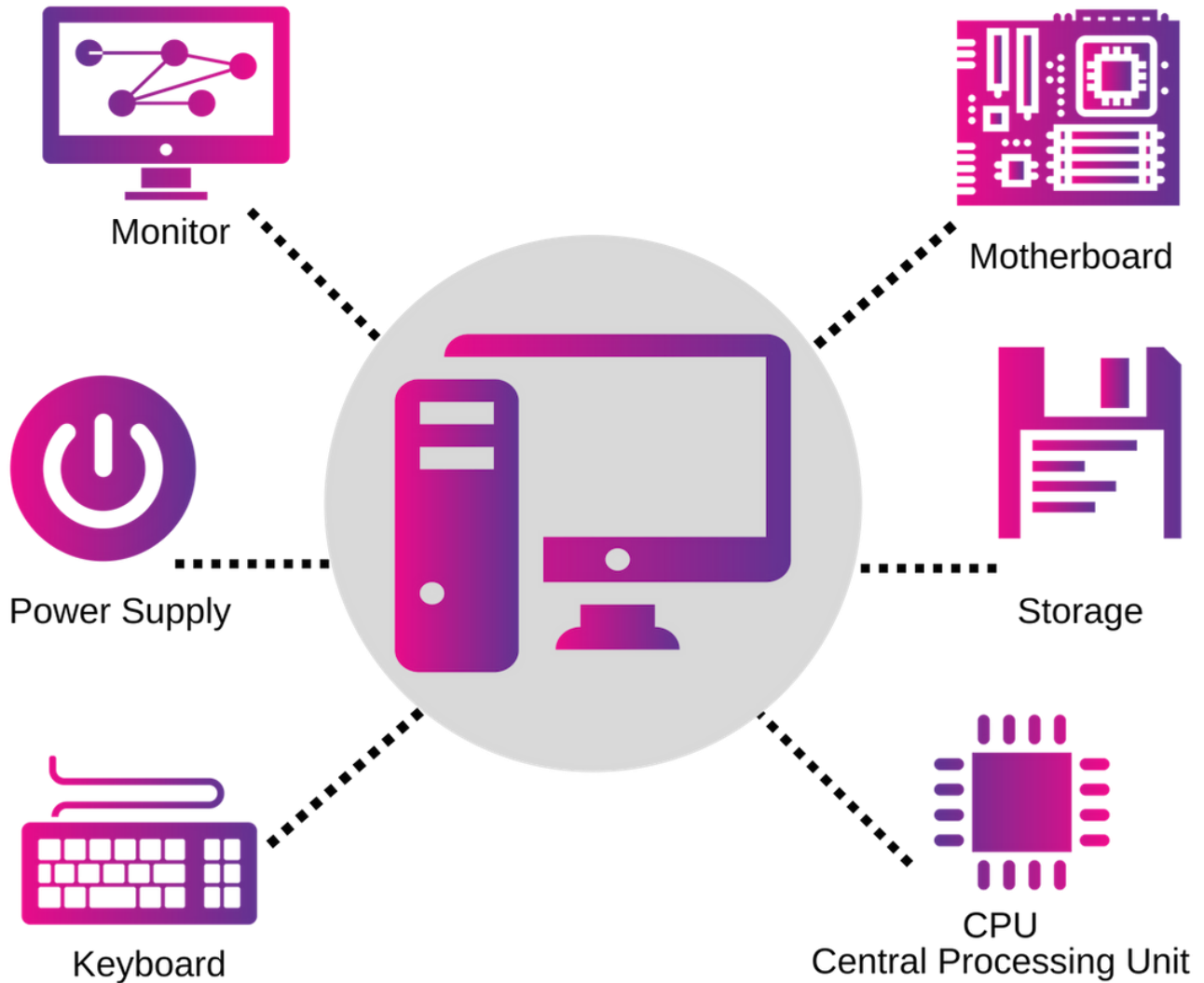
Source: Code.org



Source: GClearnitree.org

COMPONENTS OF DIGITAL SYSTEMS

Parts of a digital system



External Components
Components that are found on the outside

categorised into...

Internal Components
Components that are found on the inside

Common parts work together to create a digital system for a purpose.