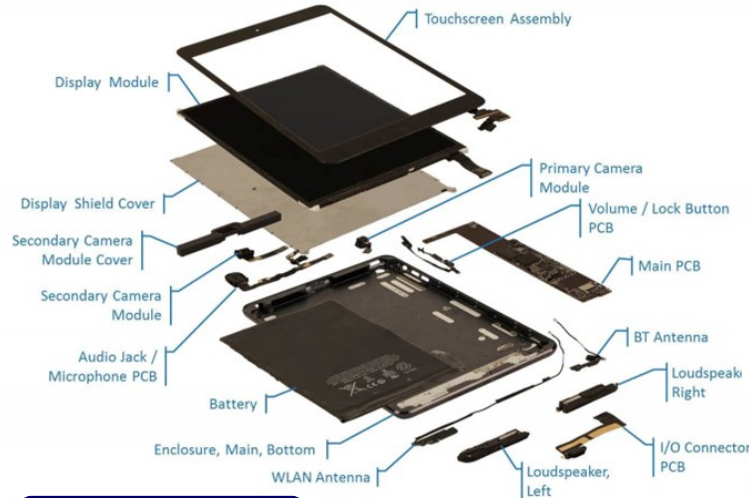


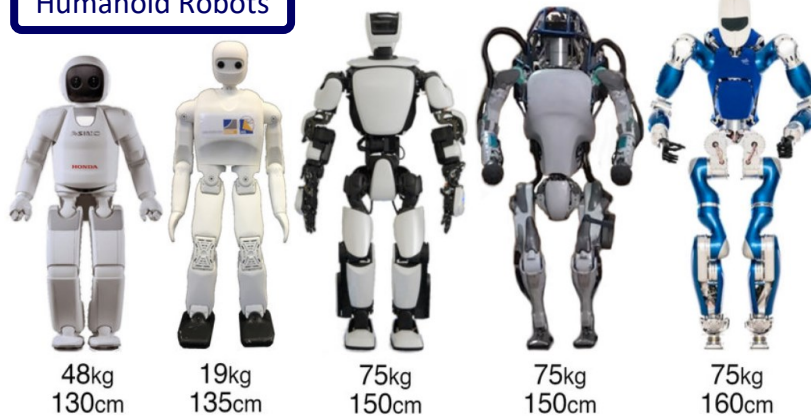
# Year 6 - Computing - Summer - What is inside a computer?

## Glossary:

- Input - put data into a computer
- Output - a response made by computer to the user.
- Software - computer programs and applications (apps).
- Chip - A tiny wafer of silicon containing miniature electric circuits that can store millions of bits of information.
- Disk drive - The equipment that you load a CD or DVD into to play it.
- Hardware - the physical and mechanical components of a computer system.
- Memory (RAM) - similar to human short term memory, a temporary storage area.
- Program - a precise series of instructions, written in a computer language, that tells the computer what to do and how to do it.
- CPU - Central processing unit. The brain of the computer. Also called the 'processor'.
- Artificial Intelligence (AI) - The simulation of human intelligence in machines that are programmed to think like humans and mimic their actions.



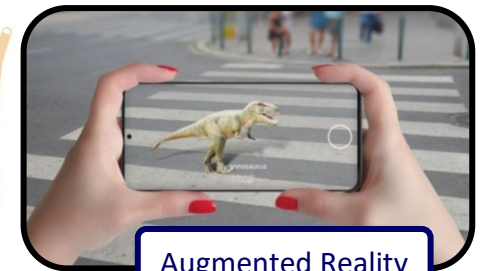
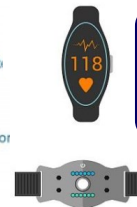
## Humanoid Robots



## Sticky Knowledge:

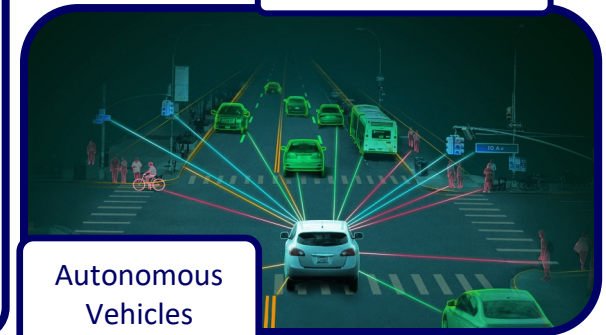
- To know what the key components of a computer are and their role.
- To know about some different emerging technologies and the potential impact on these on the world.

## Wearable devices



## Augmented Reality

Which type of technology will have the greatest impact upon our lives?



## Autonomous Vehicles

File size	1 byte	1 MB (1,000 bytes)	3 MB	5 MB	30 MB	4 GB (4,000MB)
Typical file	a					
	A letter	A document	A digital photo	A music track	An app	A HD movie