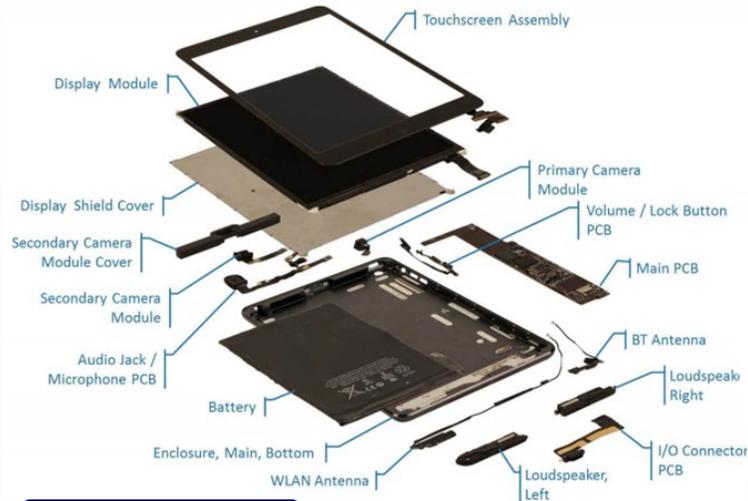


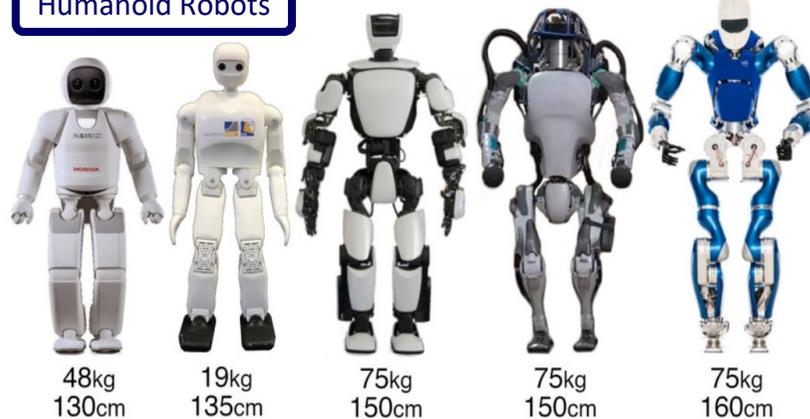
Year 6 - Computing - Summer - What is inside a computer?

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:

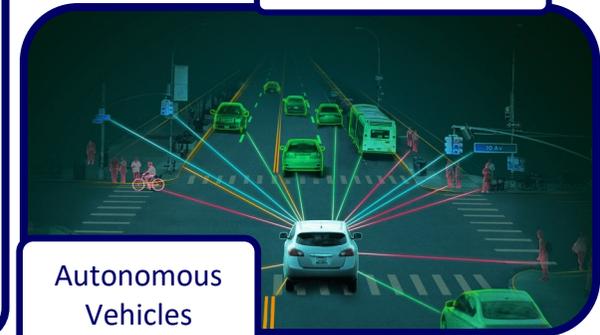
- To know what the key components of a computer are and their role.
- To know about some different emerging technologies and the potential impact on these on the world.

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