

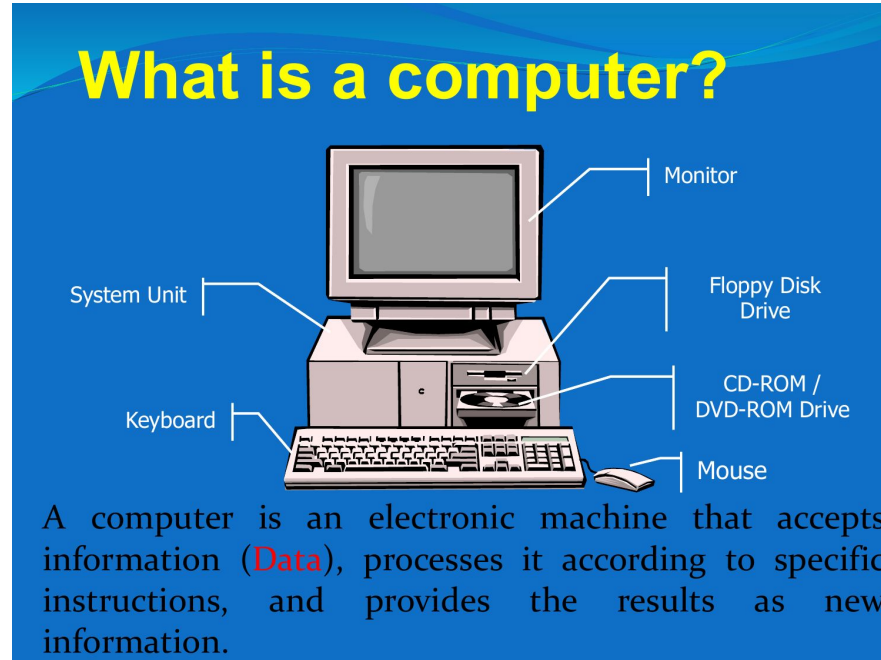
# Computer Components!!

Code Girls 2021-22

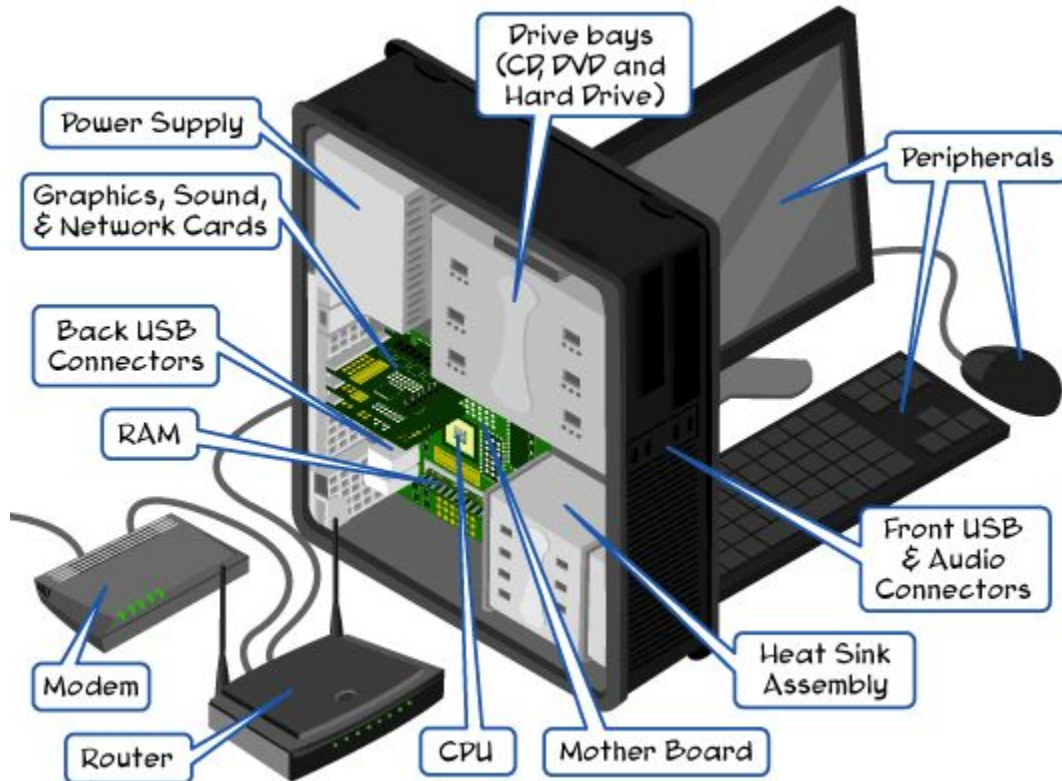


# What is a computer?

- an electronic device for storing and processing data, typically in binary form, according to instructions given to it in a variable program



# Dissecting a computer





## External Parts: The “Face”

- 





# External Parts: The “Face”

- Speakers: Mouth
  - Output sound



# External Parts: The “Face”

- Speakers: Mouth
  - Output sound
- Camera: Eyes
  - Input visual information



# External Parts: The “Face”

- Speakers: Mouth
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- Microphone: Ears
  - Input auditory information



# External Parts: The “Face”

- Speakers: Mouth
  - Output sound
- Camera: Eyes
  - Input visual information
- Microphone: Ears
  - Input auditory information
- Monitor: Face
  - What users see





# The Nervous System of a Computer

- The motherboard connects and controls everything





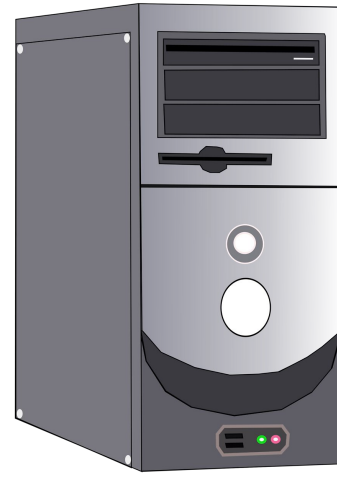
# The Skeletal System - Case

- Holds everything together
- Bigger case, more potential

Almost everything is in there



Very outdated design!!

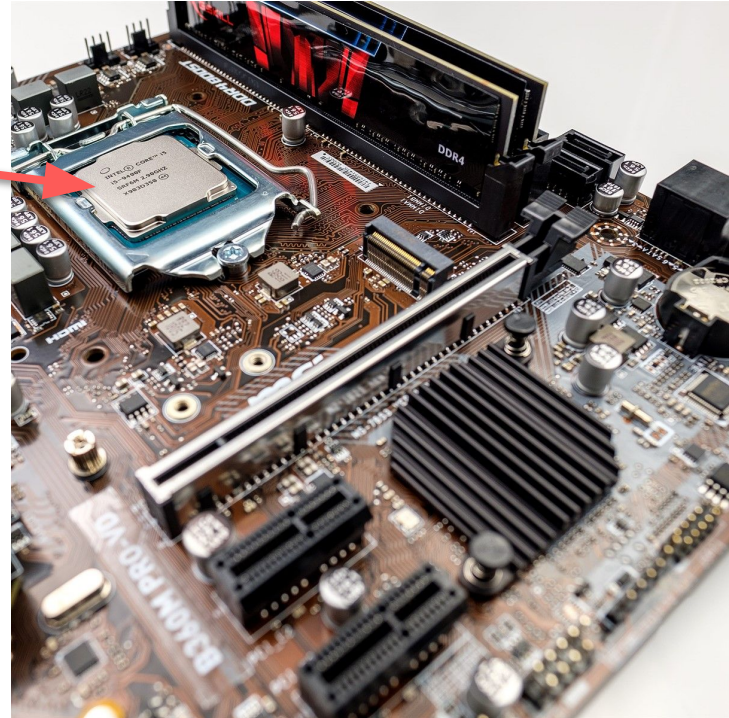


Newer design



# The Brain - Central Processing Unit

- Microprocessor
- Processor
- The CPU processes instructions received from input devices (i.e keyboard, mouse, hard drive)
- It performs calculations and basically manipulates the instructions it gets to do what is needed





# The Respiratory System: Cooling



- Absorbs heat from the CPU and redistributes it elsewhere

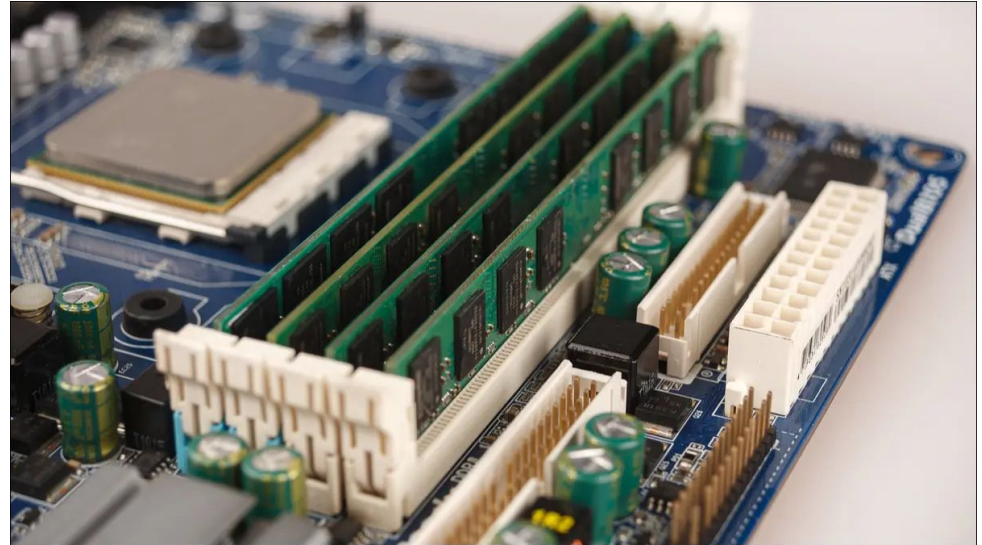
This goes directly on top of the CPU  
(We'll be working with this one)





# The Brain - RAM

- Short-terming/working memory
- “a holding area of files and instructions that are to be used and then forgotten about”
- Useful in multitasking
- Speeds the computer up when upgraded



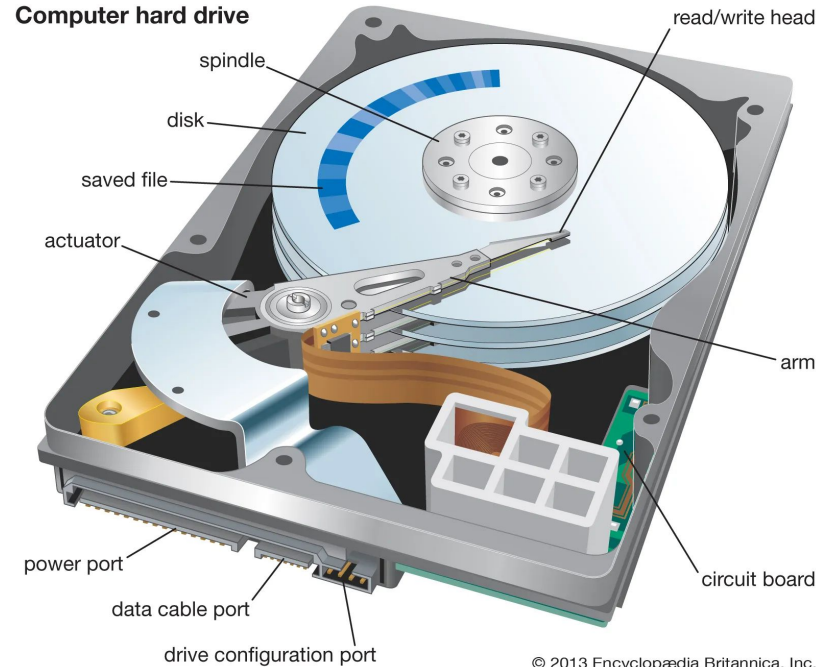
# The Brain - Hard drive

- Long term memory
- It has “all knowledge of programs, files and data.”
- It is always there and we can tap into it whenever needed.

Solid State Drive



Mechanical Drive





# Acknowledgments

Thanks to:

- Ms. B for sponsoring our club and guidance