# Information and Communication Technology



## Grade 6

## Importance of Computers



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# 01 Importance of Computers





## What is a computer?

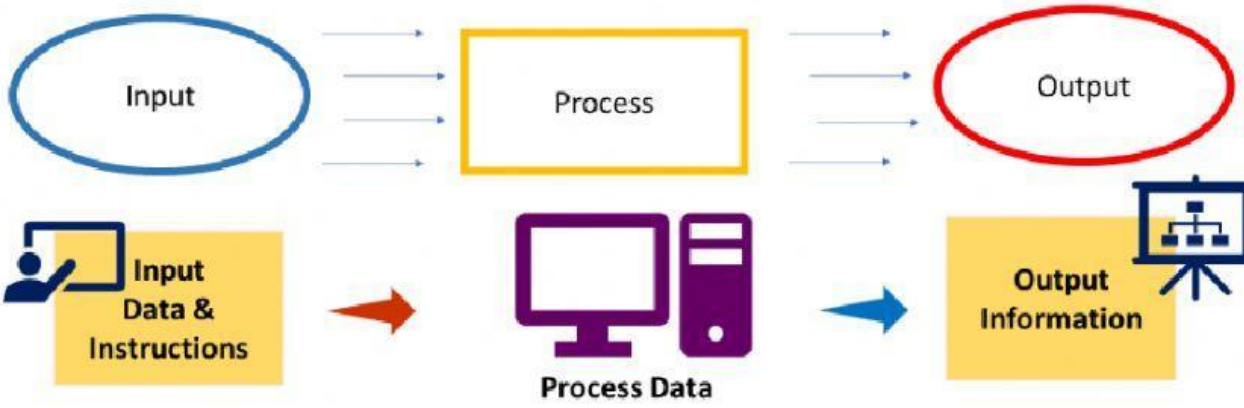
A computer is a programmable electronic device that accepts raw data as input and processes it with a set of instructions (a program) to produce the result as output.



## Functions of a Computer










The basic functions of a computer are entering data, processing them and producing processed data (information)

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## Significant Features of a Computer





| | | |
|---|---|---|
| Speed and Efficiency | Reliability | Intelligence |
| Accuracy | Consistency | Storage Capacity |
| | Cost | |



## Devices with embedded computers





- Devices with computers to perform s specific task are called embedded devices.

| Washing Machines | Modern Televisions | Mobile Phones | Automobiles |
|---|---|---|---|











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# Components of a Computer






A computer is a unit which consists of many parts.

- Input Devices
- Output Devices
- Storage Devices
- Central Processing Unit
- Communication Devices
- Main Memory





## Input Devices

Devices used to send data to a computer system are input devices






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## Output Devices

These devices are used to provide the processed information and signals from the computer to the user



Computer Monitor



Printer



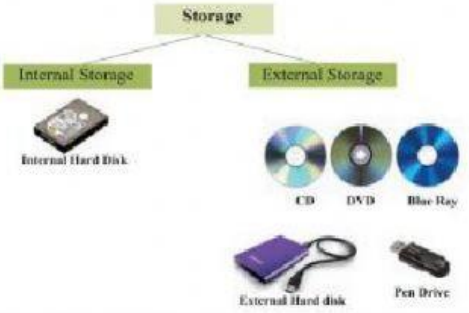
Speaker





## Storage Devices

These are used for storing data /information permanently.








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## Central Processing Unit (CPU)

Controlling the computer and processing data according to the given instructions are done by the Central Processing Unit.



System Unit  Mother Board  Central Processing Unit



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## Communication Devices

The devices which are used to exchange the processed data and information are called communication devices.



Network Interface Card (NIC)



Modem



Router



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## Main Memory

The device which is used to store data, information and instructions temporarily is identified as the main memory or the primary memory. It is also called the Random Access Memory (RAM).





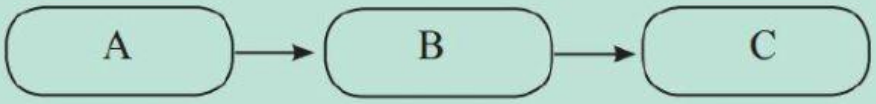


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# Evaluation

## Activity 01

1. complete the following diagram which shows basic functions of computer.




A - .....
B - .....
C - .....

Input

Output

Process

## Activity 02

Write three examples for input devices

- .....
- .....
- .....

Write three examples for output devices.

- .....
- .....
- .....

Printer

Mouse

CD

Speaker

Keyboard

Monitor

Scanner

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# Activity 03

Name the devices shown below.




A ..... B .....

C ..... D .....

E ..... F .....

G .....

- Speaker
- Keyboard
- Mouse
- Micro phone
- Monitor
- Printer
- CPU

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