

# **Star Public School**

**Dear Parents'**

## **Today's assignment**

**Computer - Chapter 2 reading and book exercise**

**G.K - Chapter 9 and 10**

**Art and craft**

## **Home assignment**

**Computer- Learn chapter 2 book exercise**

**G.K - Learn chapter 9 and 10**



# 2

## Parts of a Computer

### Learning Outcomes

**Students will be able to**

- learn about computer.
- learn about software and its types.

- explain hardware and its parts.



Sanaya: Why are you staring at your computer?

Vivaan: I am surprised to look at different parts of a computer. I am trying to remember all these parts.



Children, let's help Sanaya and Vivaan to have a better understanding of parts of a computer. Just like we have different body parts to perform various functions, similarly a computer also consists of many parts. Before learning about various parts of a computer, help Sanaya and Vivaan to answer the following questions.

1. Name any three body parts and state their functions.

Body Part	Function

2. Name any three parts of a computer that you have learnt in your previous classes.

Keyboard      Monitor      Mouse

### Computer

A **computer** is a smart machine that performs various tasks. It consists of different parts that work together. This is why a computer is also called a **computer system**.

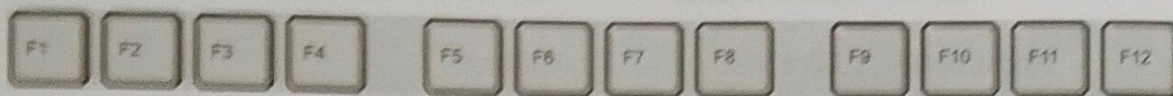


## Function Keys

There are 12 function keys from F1 to F12.  
Each function key performs a special task.

### Learn More

Function keys perform different actions on different softwares.



## Think and Answer

Answer in one word.

Keys used to type letters and numbers

Key used to type from a new line

Keys used to add punctuation marks

Keys pressed with the other keys to change their output

Alphanumeric keys  
Enter key  
Symbol key  
Shift key

## Do and Learn

Type the letters f and j as shown: fffffffjjjjj

Use the keys of the Home row to type the following.

fdsajkl; fdsajkl;

Use the letter Space bar key to type the given text.

a as ask asks al ask dad; ask dad;

Skills Covered: Decision-making, Observation, Identification

## Use

Mouse is an input device that is used to point at or select an object on a computer screen. It usually has two buttons: left button and right button.



Pressing and releasing the left mouse button is called click. Single-click is pressing the left button or right button once. When we press it twice quickly, it is called double-click.

## Monitor

Monitor is an output device that has a screen. It displays the work we do on a computer, such as typing words and numbers, and making pictures, tables, graphs and charts. We also watch movies or cartoons on a monitor. Monitors are of three types.

**Cathode Ray Tube (CRT) Monitor:** It is big in size, very heavy and occupies lots of space. This monitor is rarely in use now.

**Liquid Crystal Display (LCD) Monitor:** It is not very big in size, not very heavy and occupies less space. The pictures on it are clearer than on CRT monitor.

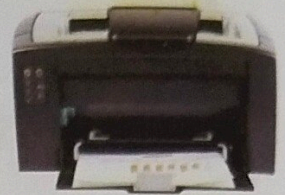


Following are the main parts of a processor.

- **Arithmetic Logic Unit (ALU)** carries out mathematical and logical operations.
- **Control Unit (CU)** controls the transfer of information from one part of the processor to the other.
- **Memory Unit (MU)** stores data in a computer.

## Printer

A **printer** is an output device used to take printouts of the work done on paper.



## MODEM

A **MODEM** connects one computer to the other computers through Internet. It exchanges information over telephone lines.



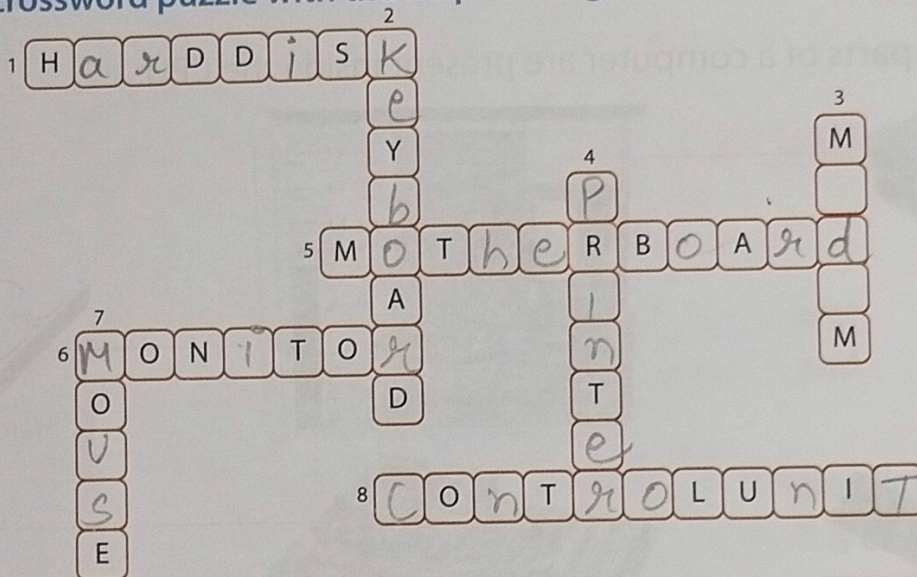
## Compact Disk Read Only Memory (CD-ROM)

**CD-ROM** is a storage device of a computer. It stores a large amount of information outside a computer.



## Crossword Puzzle

Complete the crossword puzzle with the help of the given clues.



### Across

1. A part of a computer inside CPU that stores data permanently
5. A part inside the CPU that connects all other parts of the CPU
6. An output device that has a screen
8. A part of a processor that controls the transfer of information from one part of the processor to the other

### Down

2. An input device used to type text or numbers
3. A device that connects one computer to the other through Internet
4. A device used to take printouts of work done on paper
7. An input device that consists of two buttons

**Skills Covered:** Observation, Critical and logical thinking



## Tech Terms

**Click:** Pressing and releasing the left mouse button

**CPU:** The brain of a computer

**Hardware:** The part of a computer that we can see and touch

**Software:** The program we use on a computer

## Quick Recap

- A computer has different parts that work together.
- We can see and touch the hardware. All visible parts of a computer are hardware.
- CPU, keyboard, mouse and monitor are some examples of hardware.
- Software cannot be touched.
- Hardware and software are dependent on each other.
- System software helps a computer to run and perform all its tasks.
- Application software allows us to do one or more specific tasks on a computer.

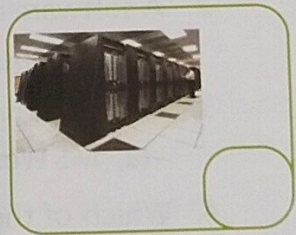
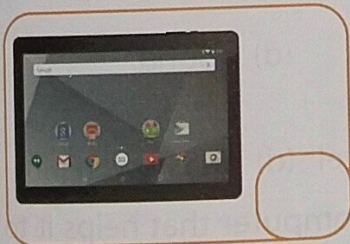
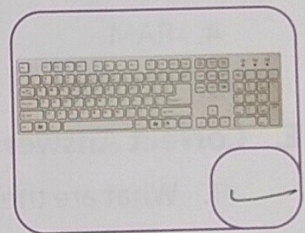
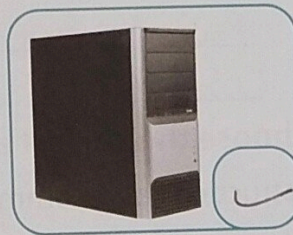
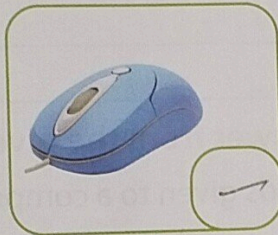


## TRAIN THE MIND

### QUICK CHECK

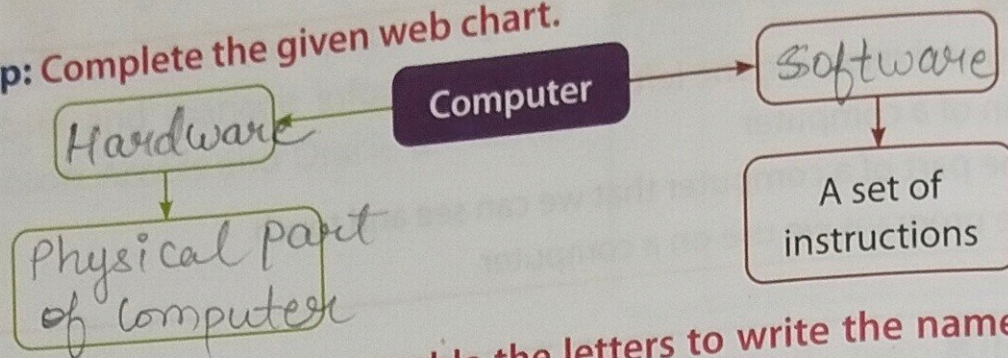
Skills Covered: Observation, Critical and logical thinking, Identification, Memorisation

**A. Assemble and Form a Computer System:** Tick the hardware parts that are required to form a computer system.





B. Mind Map: Complete the given web chart.



C. Unscramble and Match: Unscramble the letters to write the names of different keys. Then match them with their pictures.

S. No.	Keys	Picture
1.	OAVNAIGTIN EKYS <u>Navigation keys</u>	
2.	APSCEABR YKE <u>Spacebar key</u>	
3.	PLAHANUEMRICI YKE <u>Alphanumeric key</u>	
4.	PABCKSAEC YKE <u>Backspace key</u>	

D. Expand and Answer: Write the full forms of the following abbreviations.

- CPU Central Processing Unit
- ALU Arithmetic Logical unit
- ROM Read only memory
- RAM Random Access memory
- CD-ROM Compact disk - Read only memory

E. Correct Answer: Choose the correct answer from the given options.

- What are the instructions and commands given to a computer called?  
(a) Hardware (b) ☒ Software (c) Windows (d) Files
- A software cannot be \_\_\_\_\_.  
(a) ☒ touched (b) used (c) operated (d) found
- Which of the following is a word processing software?  
(a) ☒ MS Word (b) Windows 10 (c) Microsoft Excel (d) ☒ MS PowerPoint
- Which of the following is the main software program of a computer that helps it to run and perform all its tasks?  
(a) Application software (b) ☒ System software  
(c) MS Word (d) MS Excel



5. Which of the following controls the transfer of information from one part of the processor to the other?

(a) CU (b) ALU (c) MU (d) CPU

### THINK AND WRITE

Skills Covered: Memorisation, Critical and logical thinking, Applicative thinking

Answer the following questions.

1. Name the types of keys a keyboard comprises of. Describe any two types.
2. Describe the three types of monitors.
3. Name the parts inside the CPU. Describe them.
4. Differentiate between hardware and software.
5. Differentiate between system software and application software. Give examples.

[HOTS]

### APPLY YOUR LEARNING

1. Is it possible to work on a computer without mouse and keyboard?
2. Adiba types a letter using a specific software. What type of software does she use?
3. Sweta wish to connect her system to Internet. Suggest which device Sweta should use to connect her system to Internet.

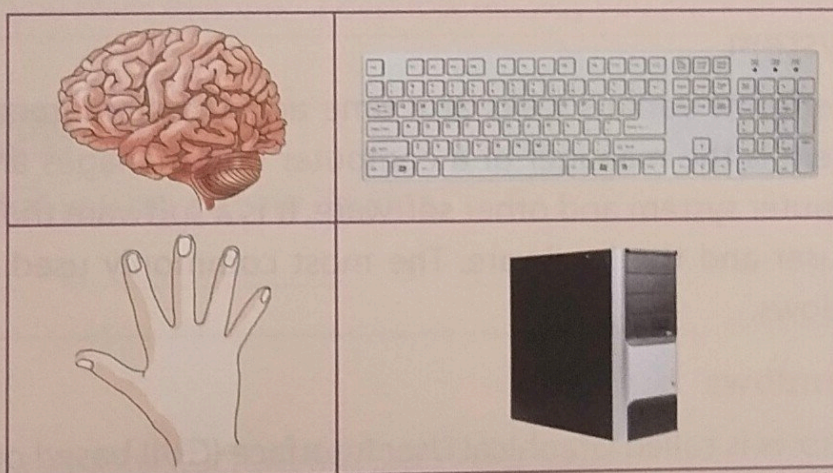
Skills Covered: Applicative thinking, Critical and logical thinking, Observation

[Integrated Learning]

### LINK AND LEARN

1. Just like the parts of our body, a computer also has various parts that make it work. Match the body parts with the parts of a computer based on similar functions.

[ICT – Science]



2. Open WordPad and type ten sentences on 'Air and Water'. Make a list of the keys that you used while typing the text.

[ICT – Science]

Skills Covered: Applicative thinking, Creative thinking, Observation, Critical and logical thinking



9

# Great Indian Leaders

The whole world knows them as freedom fighters. They sacrificed their lives for our freedom. They are popularly known by their nicknames. Identify the freedom fighters and write their real names.



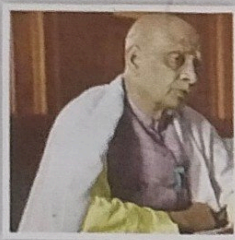
1. Punjab Kesari

Lala Lajpat Rai



2. Netaji

Subhash Chandra Bose



3. The Iron Man of India

Sardar Vallabhbhai Patel



4. The Nightingale of India

Sarojini Naidu



5. Shaheed-e-Azam

Bhagat Singh



6. Lokmanya

Bal Gangadhar Tilak



Clues for you

Sardar Vallabhbhai Patel  
Bal Gangadhar Tilak

Lala Lajpat Rai  
Subhas Chandra Bose

Bhagat Singh  
Sarojini Naidu



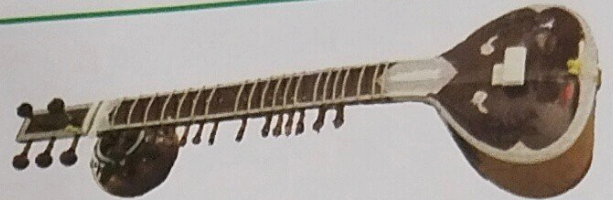
Indian classical music is appreciated all around the globe. Some of the famous musicians are listed below. Identify the instruments they play/played using the picture clues.

1. a. ☒ Pandit Hariprasad Chaurasia  
b. Late Pandit Pannalal Ghosh  
c. Late Pandit Raghunath Seth



Flute

2. a. ☒ Late Pandit Ravi Shankar  
b. Late Ustad Vilayat Khan  
c. Late Nikhil Banerjee



sitar

3. a. ☒ Late Ustad Bismillah Khan  
b. Lokesh Anand  
c. Bageshwari Qamar



shehnai

4. a. ☒ Ustad Amjad Ali Khan  
b. Tejendra Majumdar  
c. Rajeev Taranath



sarod.

**Do You Know?**

In jal tarang, sound is produced by striking the edges of cups filled with varying amounts of water with a stick. The cups are arranged in the shape of a horseshoe.





5. a. Late Ustad Alla Rakha Khan  
b. ☒ Ustad Zakir Hussain  
c. Late Ahmed Jan Thirakwa



Tabla

6. a. Late Kunnakudi Vaidyanathan  
b. ☒ A. Kanyakumari  
c. L. Subramaniam



Violin

7. a. ☒ Late Pandit Shivkumar Sharma  
b. Late Pandit Bhajan Sopori  
c. Pandit Tarun Bhattacharya



santoor

8. a. Late Chitti Babu  
b. E. Gayathri  
c. Late V. Doreswamy Iyengar



veena



Clues for you

violin shehnai tabla santoor sitar veena sarod flute