1 Computer – A Smart Machine

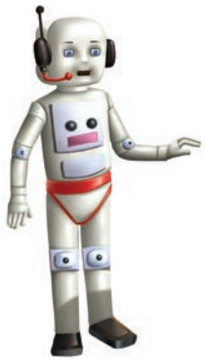
Learning Outcomes

At the end of this lesson, students will be able to :

- Recognise different types of machines.
- Comprehend the various uses of machines.
- Know about the different variety of computers.

Warm Up

Colour the box 'green' if the object is natural and 'red' if the object is man-made:



Teacher's Note

- *Apprise the students about the difference between natural and man-made things.*

Hi! *I am Peter. Let's go on a journey of machines.*

What is a Machine?

A machine is a man-made thing which helps us to :

perform our task more quickly

do different types of work

MACHINES

save our time

make our work easy

The following images demonstrate how machines assist us in performing our tasks more quickly :

Functioning without the use of machines

Ball with hands

Amrita is cooling herself with a paper fan

Let me Answer

What does your mother use to chop the vegetables?

Functioning with the use of machines

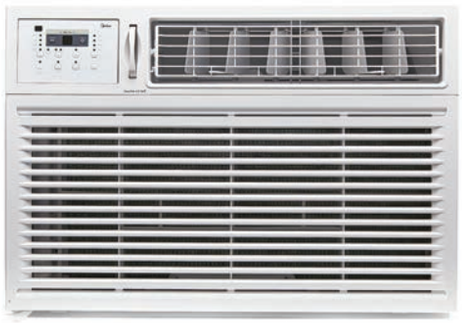
Using microwave to heat the food

Saumya is sewing clothes by using a sewing machine

Machinery of Many Types

Now, let's learn about different varieties of machines.

- Electricity is used by some machines. They are described as Electrical or Electronic machines.



Air Conditioner

Refrigerator

Kids' IQ

Which of the above machines is used in summers only?

Ans. .....

- Some machines can be operated with our hands or feet. They are called as Manual machines.

Hand Juicer

A Rickshaw

Let me Answer

Name some more electronic machines.

- Some machines work with fuel, like petrol, diesel, etc.

Bike

Bus

Characteristics of a Computer

Here are some of the characteristics of a computer :

Now, lets learn about the different varieties of computers.

Varieties of Computers

Laptop

- A laptop is compact in size and light in weight.
- It can be kept and taken anywhere.
- It works on batteries.

Desktop

- A desktop is big in size and heavier than a laptop.
- It is difficult to carry.
- It needs electricity to work.

Tablet

- A tablet is smaller than a laptop.
- It can be held in the hand and has a touchscreen.

Do You Know?

The first modern computer was basically a giant calculator which could actually do 4 things : add, subtract, multiply and divide.

REMEMBER IT!

A mobile phone is also a type of computer.

Let's Recall

- Machines are created by humans.
- Our work is made easier by machines.
- Some machines work with fuel and electricity.
- A laptop and tablet can be taken anywhere easily.
- Desktop computer needs electricity to work.

Upskill Your Intelligence

A. Circle the pictures which are machines.

B. Tick (✓) the correct answer.

1. A ..... saves our time.

   ☐ a. machine ☐ b. plant ☐ c. pencil

2. A fridge is an example of .....

   ☐ a. manual machine

   ☐ b. electronic machine

   ☐ c. fuel machine

3. A ..... never forgets instructions.

   ☐ a. human ☐ b. dog ☐ c. computer

4. ..... is difficult to carry.

   ☐ a. Laptop ☐ b. Desktop ☐ c. Tablet

5. Which of the following machine work with fuel?

   ☐ a. A rikshaw ☐ b. A fridge ☐ c. A car

C. Match the following.

Manual Machine

Fuel Machine

Electronic Machine

D. Write 'T' for True statements and 'F' for False statements.

1. A machine makes our work difficult. ☐
2. A laptop can be carried anywhere. ☐
3. A computer gets exhausted easily. ☐
4. A mobile is a type of computer. ☐
5. A tablet is big in size. ☐

Critical Thinking

A. Who am I?

- I make work simple and easy. I can store large amount of data.

  .....

- I have a touchscreen and you can carry me anywhere.

  .....

- I work on electricity and cool down your room temperature.

  .....

B. Unjumble the jumbled words and find it on the grid given below.

AIESMCHN — .....

LNUMAA — .....

RTCMUPOE — .....

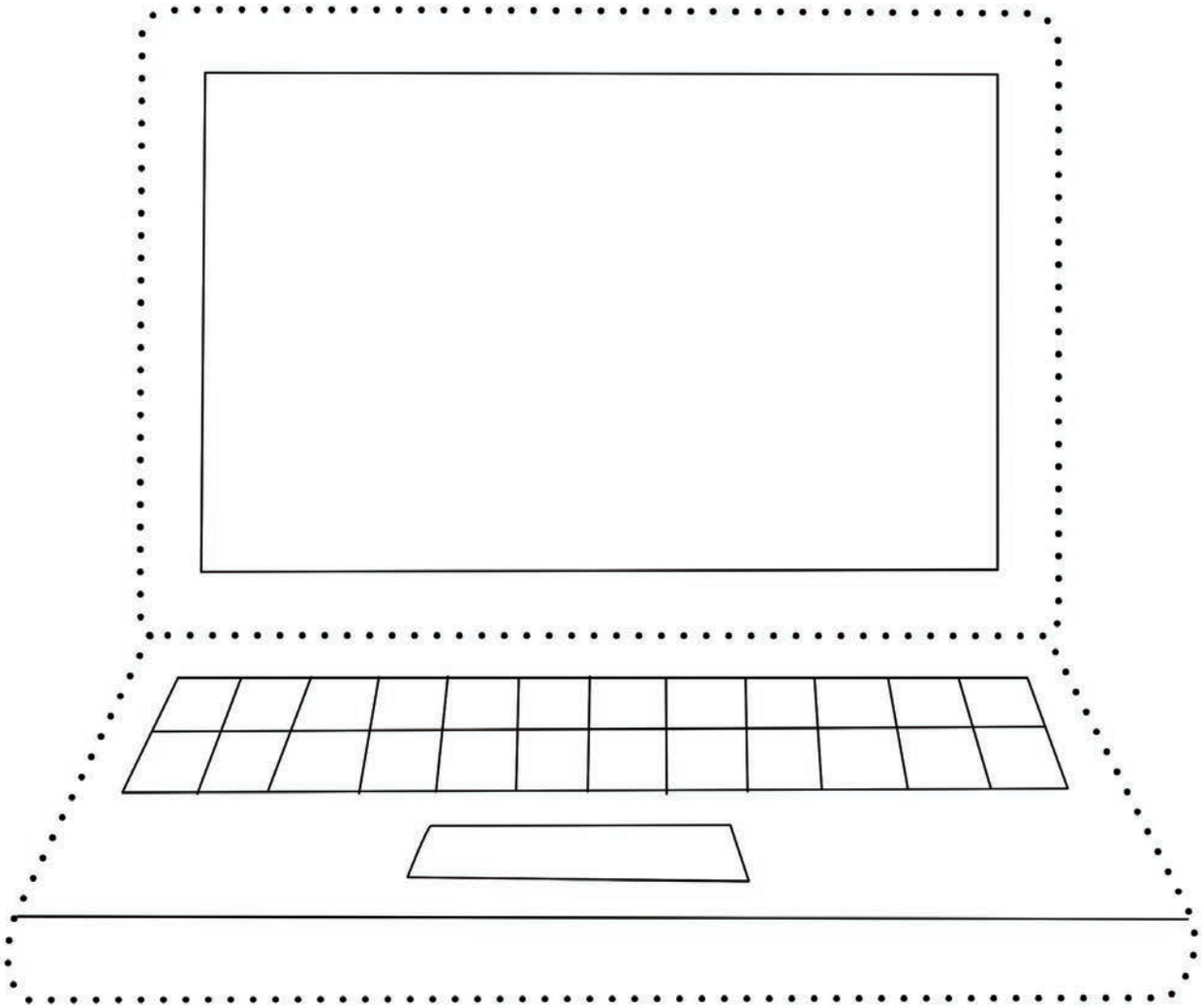
PLAPOT — .....

M	B	E	G	I	J	P	R	L
A	C	N	I	J	L	T	A	O
N	N	I	K	U	Q	P	B	T
U	Y	H	S	X	T	X	M	D
A	Z	C	B	O	T	L	R	T
L	V	A	P	O	S	W	S	O
C	O	M	P	U	T	E	R	E

Team Work

A. Collect and paste the picutres of any six machines. Write their names.

B. Join the dots to complete the picture and colour it.



C. Identify and label the following :

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