**Student learning outcome (SLO):**

| • Machines and its types | • What is a computer? |
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**Overview:**
The main purpose of this lesson is to reinforce the names of the different machines and their functions.

## Introduction:
**The purpose of this guideline:**
- It is designed to introduce you to the relevant support material about different machines. It helps you to organize and plan your teaching.
- Understand the types and functions of different machines, mainly about computer.
- Encourage the students to recall the machines they have in their homes.

Some interesting videos related to this topic are:

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| https://www.youtube.com/watch?v=dYfIDuIw44I | |
| https://www.youtube.com/watch?v=hiU96gK-PKY | |

**Resources:**
Mobile phone, calculator**,** books with machines and computer.

**Key terminology:**
Machines, manual, automatic, tool, computer, electronic

**Activities:**

1. Arrange two types of cut-outs; ones for the **machines** and the others for the functions. Divide the class into two groups. Give the cut outs of the machines to first group. And the cut outs with the functions to the second group. Ask them to match the cut outs.
2. Ask the students to take a look in and around your house and make a list of any five machines that you see. Also try to draw their pictures.
3. Visit the computer lab to the students and tell them about the computer**.**
4. Ask the students to make the essential rules of the computer lab interesting and entertaining, so everyone wants to obey them without complaint.

5. Take the flash card of different machines with their functions and ask the students to identify the tool, manual and electronic machines from them.

**Essential questions:**

Before starting the lesson, ask some questions to explore the background knowledge of students:

1. What are machines?

2. Which machines are used to travel?

3. What is the name of the machine that is used for washing clothes?

4. Have you ever seen a computer? What does it look like?

5. What can we do on a computer?

6. Is computer an electronic machine?

7. Ask the students to see around in the classroom and tell how many machines are there?

8. Can we play games on the computer?

9. Name the natural things.

10. What are the man-made machines?

# A Computer

**Scheme of Work**

| Unit | Lesson No | Topic wise allocation of periods | Lecture and Activity | Worksheet |
|------|-----------|----------------------------------|----------------------|-----------|
| A Computer | Lesson 1 | 1 Period | What are machines and what machines can do | Questions (i) |
| | Lesson 2 | 1 Period | Types of machines | Identify the types of machines. |
| | Lesson 3 | 1 Period | What is a computer? | Questions (ii, iii) |
| | Lesson 4 | 1 Period | Why computer is a smart machine? | Question (iv, v) |
| | Lesson 5 | 1 Period | Interesting information | Question (vi) |
| | Lesson 6 | 1 Period | | Question (vii-ix) |
| | Lesson 7 | 1 Period | | Crosswords and MCQ's |
| | Lesson 8 | 1 Period | | Word Search and jumbled words |
| | Lesson 9 | 1 Period | | Columns and Fill ups |
| | Lesson 11 | 1 Period | | T/F and identify the names of machines |
| | Lesson 12 | 1 Period | | Drag and Drop |
| | Lesson 13 | 1 Period | Activity ( Machines and their functions) | Comprehension |
| | Lesson 14 | 1 Period | A visit to computer lab | Revision |
| | Lesson 15 | 1 Period | | Revision |
| **Total** | **15 lessons** | **15 periods** | | |