

Class
1

LESSON PLAN

Artificial Intelligence

1. Natural and Artificial Things

Teaching Objectives

Students will learn about

- ☞ Natural Things
- ☞ Artificial Things
- ☞ Machine
- ☞ Computer—A Smart Machine

Number of Periods

Theory

1

Practical

1

Teaching Plan

While teaching this chapter, tell the students about natural and artificial things by showing pictures and videos.

Encourage the students to name some things which they see around themselves.

Make them understand that some of these things are natural like the sun, moon, star, mountains, cat, dog, tree, boy, girl, etc.

The other things are man-made like a chair, table, TV, fan, pencil, eraser, board, building, washing machine, mobile, etc.

Explain to the students that natural things are gifted by nature and artificial things are made by man(man-made)

Explain to the students that machines are made by man.

Give examples of some machines around us like refrigerator, air conditioner, television, juicer, mobile, car, etc., and their uses. Also, tell the benefits of using a machine.

Tell them that a computer is also a machine.

Tell them the various things we can do with the computer like doing sums, drawing, listening to music, watching movies, learning, playing games, etc.



Ask the student to solve the exercise given on page 17 as **AI in Life**.

Ask the students to read the **Brainy Fact** given on page 14.

Extension

Ask the students some oral questions based on this chapter.

- Q. What do you mean by natural things?
- Q. Give two examples of artificial things.
- Q. What is a computer?
- Q. Give any two examples of natural things.
- Q. Why machines are useful to us?
- Q. What are artificial things?

Evaluation

After explaining the chapter, let the students do exercises given on Pages 16 and 17 of the main course book as **Exercise**.

Take the students to the computer lab and let them practice the activity given in the **AI Lab** section on Page 17 in the main course book. This will enhance the abilities of the students and serve as a Subject Enrichment Activity.

Suggested Activity

Ask the students to discuss with their parents and elders and learn more about what they use the computer for. Encourage the students to share some more uses of computers with the class.

2. Smart Machines

Teaching Objectives

Students will learn about

- ☞ Smart Washing Machine
- ☞ Smart Refrigerator
- ☞ Smartwatches
- ☞ Smart Vacuum Cleanser
- ☞ Smart Speakers

Teaching Plan

While teaching this chapter, tell the students about machines are all around us and we use it everyday.

Encourage the students to name some machines which they see around themselves.

Make them understand about Smart machines and Artificial Intelligence.

Number of Periods	
Theory	Practical
1	2



Explain to the students about Smart machines and how we can access it by connecting through our mobile phones:

- Smart Washing Machine
- Smart Vacuum Cleanser
- • Smart Refrigerator
- Smart Speakers
- Smartwatches

Also, teach the students through Topic Animation and show the video about artificial intelligence on the link given on page 24 as **Video Session**.

Ask the students to solve the exercise given on page 22 as **AI Reboot**.

Ask the students to solve the task given on page 22 as **AI Task**.

Ask the students to read the **Brainy Fact** given on page 20.

Extension

Ask the students some oral questions based on this chapter.

- Q. What do you mean by natural things?
- Q. Give two examples of artificial things.
- Q. What is a computer?
- Q. Give any two examples of natural things.
- Q. Why machines are useful to us?
- Q. What are artificial things?

Evaluation

Encourage the students to walk through the chapter and ask them to play the game given on page 23 on their own under the name **AI Game** after learning about the rules and basics.

After explaining the chapter, let the students do the exercises given on Pages 24 to 27 of the main course book as **AI Quiz** and **Exercise**. Tell them to solve the critical and computational skill-developing exercises as **AI in Life** given on page 27

Take the students to the computer lab and let them practice the activity given in the **AI Lab** section on Page 27 in the main course book. This will enhance the abilities of the students and serve as a Subject Enrichment Activity.

Suggested Activity

Ask the students to paste pictures of different types of smart machines in their computer notebooks and write their names.

3. Natural and Artificial Intelligence

Teaching Objectives

Students will learn about

- 👁 Natural Intelligence
- 👁 Artificial Intelligence

Number of Periods

Theory

2

Practical

2

Teaching Plan

While teaching this chapter, tell the students that Intelligence is the ability to think, understand and learn from previous experience to act in a given situation.

Make them understand about the following:

- Natural Intelligence
- Artificial Intelligence

Share the various examples of natural intelligence and artificial intelligence to the students.

Show the pictures of artificially intelligent devices to the students and also, explain their working and uses.

Also, teach the students through Topic Animation and show the video about artificial intelligence on the link given on page 33 as **Video Session**.

Ask the students to solve the exercise given on page 33 as **AI Reboot**.

Ask the students to solve the task given on page 32 as **AI Task**.

Ask the students to read the **Brainy Fact** given on page 32.

Extension

Ask the students some oral questions based on this chapter.

- Q. What do you mean by natural intelligence?
- Q. Give two examples of artificial intelligence.
- Q. Name an artificial dog with artificial intelligence.
- Q. Which devices used in factories are capable of lifting, moving, and packing objects, just like human beings?
- Q. Why machines are useful to us?
- Q. How AI is used in Smartphones?
- Q. Define Intelligence
- Q. Which makes machines as smart as humans?



Evaluation

Encourage the students to walk through the chapter and ask them to play the game given on page 34 on their own under the name **AI Game** after learning about the rules and basics.

After explaining the chapter, let the students do the exercises given on Pages 35 to 37 of the main course book as **AI Quiz** and Exercise. Tell them to solve the critical and computational skill-developing exercises as **AI Deep Thinking** given on page 37

Take the students to the computer lab and let them practice the activity given in the **AI Lab** section on Page 37 in the main course book. This will enhance the abilities of the students and serve as a Subject Enrichment Activity. Ask the students to think and answer the exercise as **AI Ready 1** given on page 38.

Suggested Activity

Ask the students to draw a picture of an Artificial intelligent devices.