

# HOLIDAY HOMEWORK FILE

## Technology, AI & Smart Living

**Class & Section:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Roll No.:** \_\_\_\_\_

# CLASS 6 (2026-27)

Holiday Homework | Technology & AI

## TOPIC 1: AI is Like a Brain in a Machine

### What is AI? (Read this first!)

AI stands for Artificial Intelligence. 'Artificial' means made by humans. 'Intelligence' means the ability to think and learn. So AI = a machine that can think and learn — like your phone that understands your voice or a game that gets harder as you get better!

You use AI every day without knowing it. When YouTube suggests your next video — that is AI. When your phone corrects your spelling — that is AI!

### Activity 1: SPOT THE AI! (Observation Activity)

Look at the list below. Tick (✓) the things that you think use AI. Put a cross (X) for things that do NOT use AI.

Hint: AI things can listen, learn, suggest, or recognise faces/voices.

| S.No. | Thing   | Uses AI?    | My Tick/Cross |
|-------|---|-------------|---------------|
| 1.    | Google Maps showing the fastest route         | AI / Not AI |               |
| 2.    | A regular table fan                           | AI / Not AI |               |
| 3.    | Siri or Google Assistant answering a question | AI / Not AI |               |
| 4.    | An ordinary wall clock                        | AI / Not AI |               |
| 5.    | Face unlock on a smartphone                   | AI / Not AI |               |
| 6.    | A wooden pencil                               | AI / Not AI |               |
| 7.    | Netflix / YouTube suggesting next video       | AI / Not AI |               |
| 8.    | A notebook                                    | AI / Not AI |               |
| 9.    | Auto-correct while typing a message           | AI / Not AI |               |
| 10.   | A bicycle                                     | AI / Not AI |               |



## TOPIC 2: Smart Tools at Home — Discover & Explore

### What are Smart Tools?

Smart tools are gadgets that can connect to the internet or be controlled by your voice or phone. They make home life easier, safer, and more fun. Examples: Smart TV, Smart Bulb, Smart Doorbell, Smart Speaker.

The internet that connects all these smart devices together is called the Internet of Things (IoT). Think of it as devices 'talking' to each other!

#### Activity 1: HOME SURVEY (Observation + Talk to Family)

Walk around your home and ask your family members. Find at least 5 gadgets/devices. Fill the table below.

For each device write: its name, what it does, and whether it can connect to the internet (Yes / No / Not Sure).

| S.No. | Device / Gadget Name | What does it do? | Connects to Internet? |
|-------|----------------------|------------------|-----------------------|
| 1.    |                      |                  | Yes / No / Not Sure   |
| 2.    |                      |                  | Yes / No / Not Sure   |
| 3.    |                      |                  | Yes / No / Not Sure   |
| 4.    |                      |                  | Yes / No / Not Sure   |
| 5.    |                      |                  | Yes / No / Not Sure   |

#### Activity 2: WORD SCRAMBLE (Fun Puzzle)

Unscramble the letters to find Smart Home words. Write the correct word in the Answer box.

| No. | Scrambled Word | Answer (Correct Word) |
|-----|----------------|-----------------------|
| 1.  | TSMRA VELI     | Answer: _____         |
| 2.  | CEVO AISTSSATN | Answer: _____         |
| 3.  | TNERNTIE       | Answer: _____         |
| 4.  | TRAMS BUBL     | Answer: _____         |
| 5.  | KPESREA        | Answer: _____         |
| 6.  | ARBCOEDL       | Answer: _____         |