PM SHRI KENDRIYA VIDYALAYA DHARMAPURI

SUMMER HOLIDAYS HOMEWORK-(2026-27)

SUBJECT –ARTIFICIAL INTELLIGENCE

CLASS-VI

Part 1: Draw and Learn

- Draw **any 2 AI devices** you know
- Example ideas:
  - Mobile phone face unlock
  - Smart speaker (like Alexa)
- Write 1 line about each drawing

✍ Part 2: Creative Writing

Write 50–80 words on:
☞ **"My Robot Helper"**

Part 3 : Computational Thinking Chapter 1 (Patterns in Mathematics) find the solutions.

Note : Use A4 Sheet

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CLASS-VII

Part 1: Fun Activity – AI Around You

- Look around your home or school.
- Find **3 things that use AI**.
- Draw or paste pictures of them.
- Write 1–2 lines about each.

Example:

- Smart phone face unlock
- YouTube suggestions
- Google Assistant

💻 Part 2: Simple Practical

Choose any one:

Option A:

- Create a small animation using **Scratch**
- Draw your project or paste a screenshot
- Write 3 lines explaining it

Part 3: Computational Thinking Chapter 1 (large Numbers Around Us)) find the solutions.

Note : Use A4 Sheet

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CLASS-VIII

Part 1: Activity – AI Around Me

- Observe your surroundings for a day.
- Write down **5 examples where AI is used**.
- Paste/draw pictures (optional).
- Example:
    - Google Maps (navigation)
    - Alexa/Voice Assistant
    - Netflix recommendations

Part 2: Critical Thinking

Answer in 5–6 lines each:

1. Can AI replace humans? Why or why not?
2. What are the advantages and disadvantages of AI?
3. How can AI help students in studies?

💻 Part 3 : Computational Thinking Chapter 1 (A Square and a Cube) find the solutions.

Note : Use A4 Sheet

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CLASS-1X

Activity 1 DREAM SMART HOME IDEA

You must be knowing what a smart home means. Well, it is a home with smart devices using a specialised technology called IoT (Internet of Things). A smart device (called a thing in this context) is an electronic device that is able to connect, share and interact with its user and other smart devices and loT is a technology that forms a network of smart devices (things).

Let us play a game where you will design a dream smart home for you. Make groups of 4 students and discuss what should be your answer for the below given questions.

(1) List the most important things, which you need to connect with these devices.

(You may refer to: https://www.youtube.com/watch?v=jyMC_HAIzpg @0.33seconds)

(ii) Now think of the functionality you would want for your home.

(You may refer to the following videos to check for various technologies and

functionalities available today:

https://www.youtube.com/watch?v=9u9kqhHC6Ok

https://www.youtube.com/watch?v=F-mEA5RN_yo)

(a)

(b)

(c)

(iii) Pick the devices you want for your dream smart home .

(d)

(e)

(f)

(iv) Pick the appropriate position for these in your dream smart home.

(v) Draw a layout of your dream smart home with all your selected devices.

CHART WORK

I.Draw an Application of AI give the explanation

II. Draw an intelligence project cycle