

Summer Vacation Assignment 2026-27
Subject: Computational Thinking & Artificial Intelligence
CLASS 6 | Total Marks: 20

Name: _____	Class & Section: _____	Roll No: _____
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TOPIC: Patterns & Sequences in Everyday Life

AI in My Daily Life — A Summer Detective Journal

This summer, you will become an AI Detective! Observe patterns in your everyday life and explore how computers and AI use similar patterns to make decisions.

Part A: Know Your Topic (2 Marks)

Answer the following in one or two sentences:

1. What is a pattern? Give one example from nature.

2. What is Computational Thinking? Write its four pillars.

Part B: Pattern Detective Activity (4 Marks)






Observe your daily routine for one week. Fill in the table below:

Day	Activity	Pattern Observed	Time	Repeated? (Y/N)
1				
2				
3				
4				
5				

Part C: Draw a Decision Flowchart (4 Marks)

Draw a flowchart for the decision: "Should I carry an umbrella today?"

Use the boxes provided. Include: Start, Question (Yes/No), Two outcomes, End.

Symbol	Name	Function
	Oval	Represents the start or end of a process
	Rectangle	Denotes a process or operation step
	Arrow	Indicates the flow between steps
	Diamond	Signifies a point requiring a yes/no
	Parallelogram	Used for input or output operations

Draw your flowchart here:

Part D: Real-Life AI Examples (4 Marks)

Find 3 examples of AI or smart technology used in your chosen summer activity. Write below:

#	AI/Smart Tool Name	What It Does	Where You Saw It
1			
2			
3			

Part E: Reflection (3 Marks)

Write a short paragraph (5-8 sentences): What did you learn about AI this summer? How does it use patterns?

Part F: Project Booklet Checklist (3 Marks)

Before submitting, tick all completed items:

- Cover page with name, class, topic, and a drawing
- Table of contents (list of sections in your booklet)
- Pattern observation table (from Part B)
- Flowchart drawing (from Part C)
- AI examples page with drawings or clippings (from Part D)
- Reflection paragraph (from Part E)
- Minimum 8 pages, neat and colourful

Submission Date: _____ Teacher's Signature: _____ Marks Awarded _____ / 20