



VI - VIII Block Circular Grade-8

PCOR/2026-27/C00010 (C)

Date: 05.05.2026

Dear Parent,
Assalamualaikum.

Interdisciplinary project-1

In alignment with the National Education Policy (NEP) 2020 and the National Curriculum for school Education. CBSE introduces the Computational Thinking (CT) and Artificial Intelligence (AI) Curriculum for classes VI to VIII from the academic session 2026–27.

The curriculum aims to develop AI-ready learners by strengthening foundational computational thinking skills such as logical reasoning, problem-solving, pattern recognition, and algorithmic thinking. This initiative will enable students to understand the relevance of AI in everyday life. Interdisciplinary projects are also the part of this initiative.

Interdisciplinary projects help students use computational thinking and AI to solve problems, connect ideas across subjects, and create real-world, data-based solutions.

These hands-on activities make learning interesting and enjoyable, encouraging curiosity, teamwork, and creativity while building critical thinking and an appreciation for the interconnected nature of knowledge.

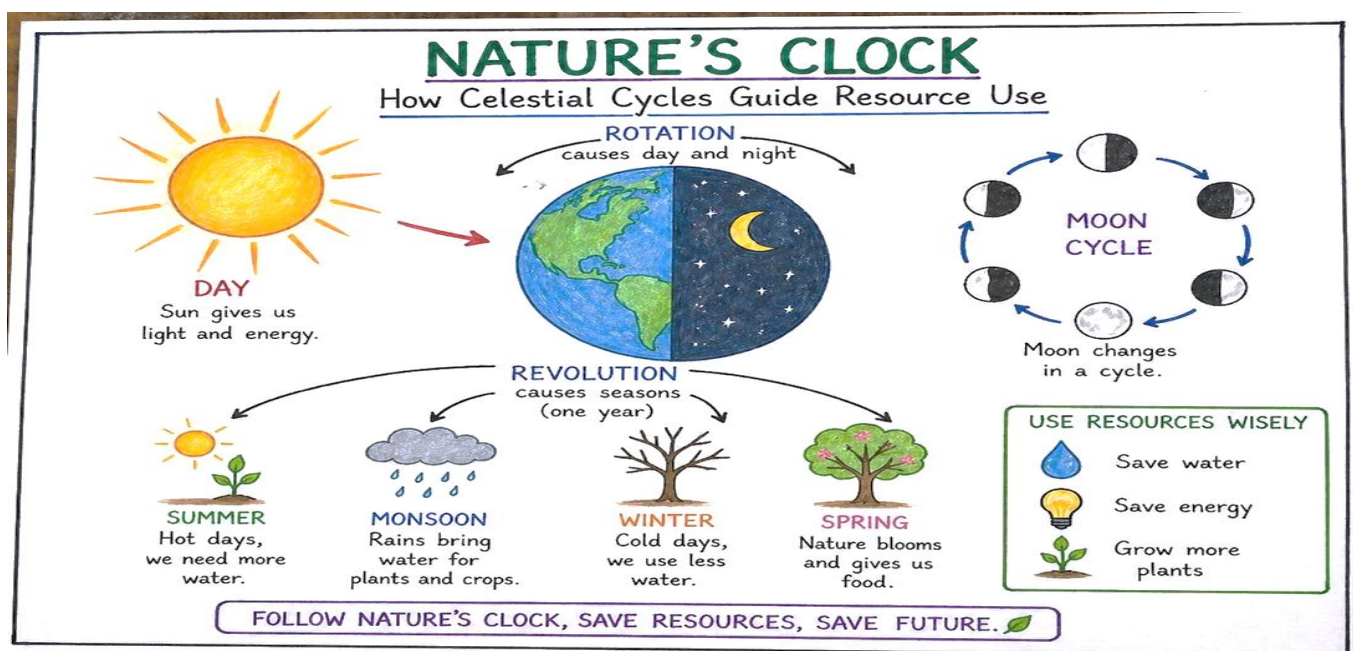
The below mentioned interdisciplinary projects are mandatorily to be done by the students and should submit the projects along with Holiday Home work on the day of the reopening of the school.

Note: Use your creativity to make a booklet/ project file and do all the projects in it.

General Instructions:

- Cover Page (Title, Name, Class, Section & year)
- Introduction
- Subject-wise Content (Science, Social Studies, Mathematics, English)
- Use headings and subheadings. Underline important keywords.

Project Name: Nature's Clock – How Celestial Cycles Guide Resource Use



Learning Objective: The students will be able to understand celestial cycles such as Earth’s Rotation and Revolution and relate them to sustainable resource use. And consequently, will be able to identify the interrelation of different subjects.

SCIENCE

1. What are lunar phases? How do they change?
2. Here is a realistic data set based on standard tide tables and moonrise patterns (commonly observed in coastal cities like Mumbai/Chennai, consistent with data from sources like INCOIS, Time and Date.

Date	Moonrise time	High tide time
10 June	6:02 p. m	6:35p. m
11 June	6:52 p. m	7:25p. m
12 June	7:41 p. m	8:14 p. m
13 June	8:29 p. m	9:02 p. m
14 June	9:16 p. m	9:48p. m

Study the data given above. What pattern do you observe in the timing of moonrise and high tides? How are they related? Explain your answer with evidence from the table.

SOCIAL SCIENCE

1. How did ancient civilizations use the patterns of the Sun, Moon and stars to guide farming activities and develop calendars?
2. How do changing seasons shape the work people do India?
3. How can understanding nature and its cycles help us achieve sustainable development?

MATHEMATICS

1. Record sunrise and sunset times for 7 days.
2. Calculate the length of daytime each day.
3. Find the average daylight hours for the week.
4. Represent your data using a bar graph and answer:
 - a. Which day had the longest daylight?
 - b. What pattern do you observe?

ENGLISH

1. What do you understand by the term “Nature’s Clock”?
2. How do natural cycles (day/night, seasons) affect human life?
3. Write a paragraph (100–120 words):“**How Nature Guides Our Daily Activities**”
- 4.Create a poster on A4/chart paper

Title: “Nature’s Clock: How Celestial Cycles Guide Resource Use”

Add: At least 1 slogan; 2–3 short lines/messages; Labels (day, night, seasons, etc.)

Regards
HM