

SUMMER ENGAGEMENT PROGRAMME

“ Take time to unwind,
so your mind can recharge,
your body can heal,
and your spirit can shine! ”

CLASS

V

SESSION 2026-27

THEME

The Power Guardians:
Energy Drain To Energy Gain



USE WISELY
Turn off when not in use.



SAVE ENERGY
Small steps today, big impact tomorrow.



CHOOSE CLEAN
Go green, keep our planet clean.



AVOID WASTE
Reduce waste, preserve resources.



EAT ENERGY BOOSTERS
Eat right foods for active minds.



SLEEP TO RECHARGE
Good sleep today, great energy tomorrow.

CONSERVE ENERGY TODAY, EMPOWER TOMORROW!
Be a Power Guardian. Make every day count!

“Learning is like a superpower — the more you use it, the stronger you get.”

Dear Students,

Get ready for a summer filled with discovery, creativity, and exciting learning experiences! Our *Summer Activity Engagement Programme* has been thoughtfully designed to spark your curiosity, encourage innovative thinking, and help you grow in meaningful ways.

Step into a world of exploration where you will:

- Express your creativity and imagination
- Explore new ideas, hobbies, and interests
- Learn new skills through fun and engaging activities
- Create positive changes around you

Make this summer memorable by learning, exploring, and creating with enthusiasm and joy. Every activity is an opportunity to discover something new about the world - and about yourself!

Wishing you a joyful and enriching summer.

Happy Learning!

GENERAL INSTRUCTIONS

- ✓ *Holiday Assignment (The Power Guardian- Energy Drain to Energy Gain) to be done in a single scrapbook.*
- ✓ Follow a time-table to organise your daily routine like watching T.V, playing with friends, studying etc. Fix a permanent workplace for yourself to inculcate discipline.
- ✓ Avoid heavy and oily food and increase the intake of fluids, fresh fruits & vegetables to stay hydrated and energetic throughout the day.
- ✓ Play games like Scrabble, Chess, Atlas or any such game of your choice.
- ✓ Keep your room and things clean and well organized.
- ✓ To celebrate International Yoga Day, take up yoga or any other form of healthy activity.
- ✓ As much as possible, try to converse in English with your family members.
- ✓ Read books, newspapers and children's magazines.

(Suggested Authors/Books)

English- Sudha Murthy, Munshi Premchand, Rick Riordan, Enid Blyton, Ruskin Bond, R.K. Narayan, Roald Dahl, Magic Pot, Panchatantra, etc.

हिंदी- पंचतंत्र की कहानियाँ, जातक कथाएँ, गुलीवर की यात्रा, तेनालीरामन के किस्से, मुल्ला नसीरुद्दीन, अकबर-बीरबल, कथा-सागर, जादुई ड्रम (सुधा मूर्ति), मालगुड़ी की कहानियाँ, हैरी पोर्टर, मलाला, रामकथा, गाँव वाला अंग्रेज़ी स्कूल (प्रांजल सक्सेना), गोलू झा अनोखी दुनिया (अशोक महेश्वरी)

- ✓ Apart from the summer activities, revise the concepts taught in each subject.
- ✓ Submit the activities done in vacation to the Class Teacher latest by 6th July'26.
- ✓ The school will reopen on Wednesday, 1st July'26.
- ✓ The holiday assignments are part of Project Based Activity Assessment, criteria for which is shared below:

1.	Originality & Creativity	3 marks
2.	Language & Expression	3 marks
3.	Presentation of Work	2 marks
4.	Timely Submission	2 marks

In line with the recommendations of the **National Education Policy (NEP) 2020**, education must shift away from rote memorization toward building core competencies, critical thinking, and 21st-century skills. The **Class 5 Holiday Homework project, “The Power Guardians – Energy Drain to Energy Gain,”** is designed as an experiential, cross-curricular project.

As our nation moves toward sustainable development, this project empowers young learners to look beyond textbook definitions and engage directly with real-world environmental challenges - specifically energy conservation.

Through this student-centric approach, the project aims to transform learners from passive consumers of energy into active, responsible **Power Guardians** who possess both the scientific temper and the technological literacy required for the future.

THE POWER GUARDIANS – ENERGY DRAIN TO ENERGY GAIN

“Small steps like saving electricity and using technology wisely can make our Earth greener and healthier.” 🌱

Objectives: Students will identify places where energy is being wasted in their daily lives and learn ways to save energy by using renewable sources and smart habits. They will observe how energy is used and suggest simple ideas to reduce energy waste and live in an eco-friendly way.

Learning Outcomes (LOs)

By the end of this interdisciplinary project, students will be able to:

- ❖ **Differentiate** between renewable and non-renewable energy sources.
- ❖ **Identify and analyze** common household areas of energy wastage (standby power, traditional bulbs).
- ❖ **Break down** a complex, large-scale problem (Energy Crisis) into manageable household components.
- ❖ **Develop** environmental empathy, shifting their mindset from passive energy consumers to proactive **Power Guardians**.



Dear Power Guardians, Let's begin the vacation with the motto- 'Learn with Fun' and watch the following short movies-

1. "Energy- Let's Save it"

(<https://youtu.be/h4RmNNve3lc?si=kAbU6d93Su00wt69>)

2. "How Can We Save Energy at Home or School?"

(<https://youtu.be/covYNhyNGyo?si=RC8oROeuXYtnR-9Z>)

TASK 1: "Energy Detectives!"

Interview 3–4 family members or neighbours to find out how they save energy in daily life with evidences.

Sample Questions for the Interview-

a. Understanding the Energy Gap


- What is meant by the Energy Gap?
- Why do you think the demand for energy is increasing?
- How do population growth and changing climatic conditions affect energy use?

b. The "Always On" Trap

- Which appliances are used the most in your home?
- Which appliances consume more electricity?
- What happens when appliances are left on standby mode?
- How do old bulbs or inefficient appliances affect electricity bills and the environment?








c. Renewable vs. Non-Renewable Energy

- Have you seen solar panels, solar heaters, windmills, or hydro energy being used anywhere?
- Why are renewable sources called Clean Energy Sources?
- How can renewable energy help reduce pollution and save resources?
-




ENERGY DETECTIVES – OBSERVATION TABLE

Interview 3–4 family members or neighbours to find out how they save energy in daily life.
Collect evidences such as (Photographs, Drawings, Interview notes, Signatures, Bills/Screenshots, Labels and Captions)

S.No.	Name of Family Member / Neighbour 	Appliances Used Most at Home 	Appliances Left on Standby? 	Any Energy-Saving Habit Observed 	Renewable Energy Used? (Solar/Wind/Hydro) 	Evidence Collected (Photo, Drawing, Bill, Signature, etc.) 	Student's Observation / Conclusion 
1	Mrs. Sharma (Neighbour)	A.C., Refrigerator, T.V.	Yes, T.V. left on standby at night	Uses LED bulbs and switches off fans when not needed	Solar water heater installed on terrace	Photograph of solar heater + electricity bill screenshot	LED bulbs reduce electricity use and solar energy is a clean source.
2							
3							
4							
5							


a. UNDERSTANDING THE ENERGY GAP

- What is meant by the Energy Gap?
- Why do you think the demand for energy is increasing?
- How do population growth and changing climatic conditions affect energy use?




b. THE "ALWAYS ON" TRAP

- Which appliances are used the most in your home?
- Which appliances consume more electricity?
- What happens when appliances are left on standby mode?
- How do old bulbs or inefficient appliances affect electricity bills and the environment?









c. RENEWABLE VS. NON-RENEWABLE ENERGY

- Have you seen solar panels, solar heaters, windmills, or hydro energy being used anywhere?
- Why are renewable sources called Clean Energy Sources?
- How can renewable energy help reduce pollution and save resources?




EVIDENCE IDEAS STUDENTS CAN ATTACH

-  Photographs
-  Drawings
-  Interview Notes
-  Signatures
-  Electricity Bill Screenshots
-  Appliance Labels & Captions

SAVE ENERGY TODAY FOR A BETTER TOMORROW! ⚡


TASK 2: Think Like a Smart Energy Guardian!

Complete the given task in the scrap file.



Think Like a Smart Energy Guardian!

Let's analyse the interview data and discover patterns to save energy better.



1. Which energy-using habit was reported the most?


Energy-using Habit	Tally Marks	Total

Most reported habit: ★




2. Which appliances use the most electricity at home?

Answer: _____


3. What patterns did you notice in the interview answers?



4. Which habit can children follow easily every day?

Why? _____

_____ 

5. If two lights and one fan are left on unnecessarily, what should be done?

→

→

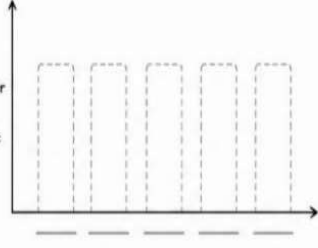
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6. Let's see the data! (Bar Graph)


Draw a bar graph using the tally data from Q1.

Number of People





What I learnt: _____









Example for step no. 5 for writing a 5-steps for your family to follow before leaving the house to ensure zero energy waste.

1. Walk through every room starting from the balcony.
2. Check if all light and fan switches are in the 'OFF' position, etc....

TASK 3: The Energy Audit at Home

a. **Home Energy Survey**- Observe Appliances used at home. Record the number of hours each appliance is used in a day (24 hours) and represent it in fractional form. (E.g. we use fans for 6 hours so it is used for $6/24$). Prepare a colourful table showing appliances usage.

2. ENERGY USAGE TABLE

Appliance	Number of Hours Used (Per Day)	Purpose
 Fan	6	To keep us cool
		
		
		
		
		

b. **The Supermarket Safari**- Visit an electronics store. Find 3 appliances (Refrigerator, Air conditioner, Geyser, Washing Machine, etc.) with “Bureau of Energy Efficiency” **BEE Star Labels** (1-star to 5-star). Calculate/note down the ‘Units per Year’ consumed by a 3-star vs. a 5-star appliance and conclude which is better for an ‘Power Guardian.’



Appliance Type	Brand / Model Name	Star Rating Found (3-Star or 5-Star)	Annual Energy Consumption (Units per Year)
Appliance 1: Refrigerator	A)	3-Star	_____ Units/Year
	B)	5-Star	_____ Units/Year
Appliance 2:	A)	3-Star	_____ Units/Year
	B)	5-Star	_____ Units/Year
Appliance 3:	A)	3-Star	_____ Units/Year
	B)	5-Star	_____ Units/Year

Conclusion:

TASK 4: The Energy Guardian Word Search

Find the 10 hidden words related to energy conservation. Words can go horizontal (left to right) or vertical (top to bottom).

S	U	S	T	A	I	N	A	B	L	E	P
O	X	Y	Z	W	A	V	C	B	N	M	O
L	E	D	L	K	G	J	H	I	G	F	S
A	G	A	P	Q	R	L	M	O	A	E	E
R	S	T	U	E	N	E	R	G	Y	V	N
B	C	A	R	B	O	N	X	Y	Z	A	S
W	S	M	A	R	T	D	E	F	G	H	O
G	H	I	J	K	L	O	P	Q	R	S	R
A	B	C	D	E	F	G	I	J	K	L	M
U	V	W	B	I	O	M	A	S	S	O	P
Q	R	S	A	V	I	N	G	S	T	U	V
T	E	C	H	N	O	L	O	G	Y	X	Z

Clues:

1. Power generated from the sun's rays.
2. The power we use to do work, run appliances, and light up rooms.
3. A highly efficient bulb that saves electricity.
4. An AI-powered device that detects motion and turns off lights automatically.
5. What happens to your electricity bill when you don't waste power.
6. The footprint we want to reduce to keep the Earth green.
7. The difference between the energy we need and what we waste.
8. Living in a way that doesn't use up all the Earth's resources.
9. Renewable energy from plants and organic waste.
10. Homes or appliances that use tech/AI to conserve resources.

TASK 5: Cryptogram Activity (Conservation of Energy & Green Computing)

Create a Cryptogram Puzzle using the words searched in Task 4. Later in classroom, exchange your cryptogram with classmates and solve each other's puzzles.

Instructions:

- Create a secret code by replacing letters with symbols, numbers, or different alphabets.
- Write the coded message neatly and creatively.
- Decorate your sheet with eco-friendly drawings or computer-related images.

Image for reference purpose only...



CRYPTOGRAM PUZZLE

Conservation of Energy & Green Computing

SECRET CODE KEY

A	B	C	D	E	F	G	H	I	J	K	L	M
★	♥	▲	●	■	◆	💧	🍄	🌸	🌙	☀️	🍃	🍇
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
⚡	🍬	🌟	➡️	∞	✓	⚙️	☂️	📍	@	✖️	🔔	😊

DECODE THE MESSAGE

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 10.

✓ 🍬 🍃 ★ ∞ S O L A R _____


TASK 6: ऊर्जा बचाओ, पृथ्वी बचाओ।

नीचे दी गई गतिविधियों को अपने अनुक्रमांक (Roll Number) के अनुसार अपनी स्कैप फ़ाइल में करें। संलग्न पोस्टर केवल आपकी सहायता के लिए एक उदाहरण स्वरूप है। आपको अपनी रचनात्मकता और मौलिक विचारों का उपयोग करके अपना स्वयं का अनूठा प्रस्तुतीकरण देना है।

अनुक्रमांक	गतिविधि का शीर्षक	कार्य विवरण	नमूना आउटपुट/चित्र
1-10	ईंधन संरक्षण (पेट्रोल और डीजल)	पेट्रोल और डीजल बचाने के 5 तरीकों का चित्रों के साथ वर्णन करें।	
11-20	भविष्य की कल्पना: 2050 की पृथ्वी	पानी के बिना जलीय जीवों के लिए जीवन पर एक अनुच्छेद और एक चित्र।	
21-30	रसोई ऊर्जा बचत और पोषण	गैस बचाने के 3 तरीके, और एक "बिना आग के खाना पकाने" की रेसिपी।	
31-40	स्लोगन लेखन	बॉर्डर और चित्रों के साथ दो मूल स्लोगन लिखें।	


TASK 7: My Reflection Sheet

Complete the given Reflection Sheet in the scrap file.



MY REFLECTION SHEET

I am a Smart Energy Guardian!



Name: _____ Class: _____ Date: _____





1. WHAT DID I LEARN?

Write three new things you learned about saving energy.

- _____
- _____
- _____

2. HOW DID I FEEL?


How did you feel while doing this activity?
Circle your feeling.



Excited Happy Okay Confused

3. MOST INTERESTING PART


What part of the activity did you like the most? Why?



4. I WILL APPLY THIS BY...


How will you use what you learned in your daily life? Write 2 ways.

- _____
- _____



5. MY DRAWING


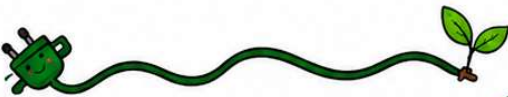
Draw a picture showing how you save energy.



6. MY ENERGY PLEDGE

I promise to save energy every day.
I will be a Smart Energy Guardian!

I will _____



ART AND CRAFT

1. **Wonder Land Book** – Complete page no. 12, 32, and 38.
2. **Happy Family Time** – Draw your family enjoying a fun activity using bright colours in the school art file.
3. This summer, let's get creative and learn a fun new craft as per the given instructions:

i) **Wall Hangings with Positive Quotes (Roll No. 1-20)**

Materials Required:

- * Thick cardboard / MDF board
- * Acrylic colours
- * Paint brushes
- * Small mirrors
- * Wool / embroidery thread
- * Beads and tassels
- * Black marker or paint pen
- * Glue
- * Scissors
- * Jute rope / ribbon



Procedure:

- Step 1: Prepare the Base- Cut the cardboard or MDF board into any shape you like (Square, Rectangle, Circle)
- Step 2: Paint the base using bright acrylic colours. Allow it to dry completely.
- Step 3: Write a positive Quote neatly in the centre using a black marker or brush pen. Examples: Believe in Yourself, Good Vibes Only, Stay Positive, Dream Big
- Step 4: Decorate the borders/edges using - Mirror work, Thread work, Madhubani/Warli patterns, floral or geometric designs
- Step 5: Add Art & Motifs- Flowers, Birds, Leaves, Traditional folk-art patterns
- Step 6: Attach Beads & Tassels- Fix colourful tassels and beads at the bottom using thread or glue.
- Step 7: Add Hanging Support- Attach jute rope/ribbon/decorative thread at the top for hanging.
- Step 8: Final Touch- Check all decorations and allow the artwork to dry properly. Your wall hanging is ready!

ii) Pattachitra Corner Bookmarks (Roll No. 21-40)

Materials Required:

- * Thick paper / cardstock
- * Acrylic colours or sketch pens
- * Fine paint brushes
- * Black and white gel pens / liners
- * Pencil and eraser
- * Ruler
- * Scissors
- * Glue (optional)



Procedure:

Step 1: Prepare the Base- Take a square piece of thick paper or cardstock. Fold it diagonally to form a triangle corner bookmark.

Step 2: Draw the Outline- Lightly sketch traditional Pattachitra-inspired designs such as Birds, Flowers, Fish, Lord Jagannath motifs, Folk patterns and borders, etc.

Step 3: Colour the Design- Use bright colours like, Red, Yellow, Blue, Green, Black. Fill the design neatly using acrylic colours or sketch pens.

Step 4: Add Borders & Details- Outline the artwork using black and white pens to create – Dots, Curved lines, Floral borders, Decorative patterns. This gives the bookmark a traditional folk-art look.

Step 5: Decorate the Background- Add small motifs and patterns in empty spaces to make the bookmark colourful and balanced.

Step 6: Final Touch- Allow the bookmark to dry completely. Erase any pencil marks carefully.

Tips- * Use fine lines and neat colouring.

* Keep the designs symmetrical and colourful.

* Use traditional folk-art patterns for an authentic look.

* Laminate the bookmark for durability, if possible.