

VACATION ASSIGNMENT-GRADE 8

English

Create Your Own Newspaper



Activity:

Make a **mini newspaper** using your creativity.

Requirements:

- A4 sheets or notebook
- Pencil, crayons, colour pen, sketch pens
- Pictures (optional)



What to Include:

Create different sections in your newspaper:

- **International & National News: Minimum 3**

Give a heading and write **3-4 sentences** about something that has happened around you add pictures.

- **Local News: Minimum 2**



Give a heading and write **3-4 sentences** about something that has happened around you. Add pictures or photos.

- **Article:** Include a small write up about any social issue eg: global warming ,war,inflation etc.

- **Sports: Maximum 3**

Give a heading .Write **3-4 sentences**and add photos too

- **Weather:**

Write about the weather in your area.You can draw pictures and depict.

- **Fun Facts& puzzles:**

Write 2-3 interesting facts.Give puzzles like SUDOKU /Crossword /Word grid etc

- **Advertisements:1 or 2**

Make advertisements of any product/ institution/sale with drawings or pictures.

- **Include**

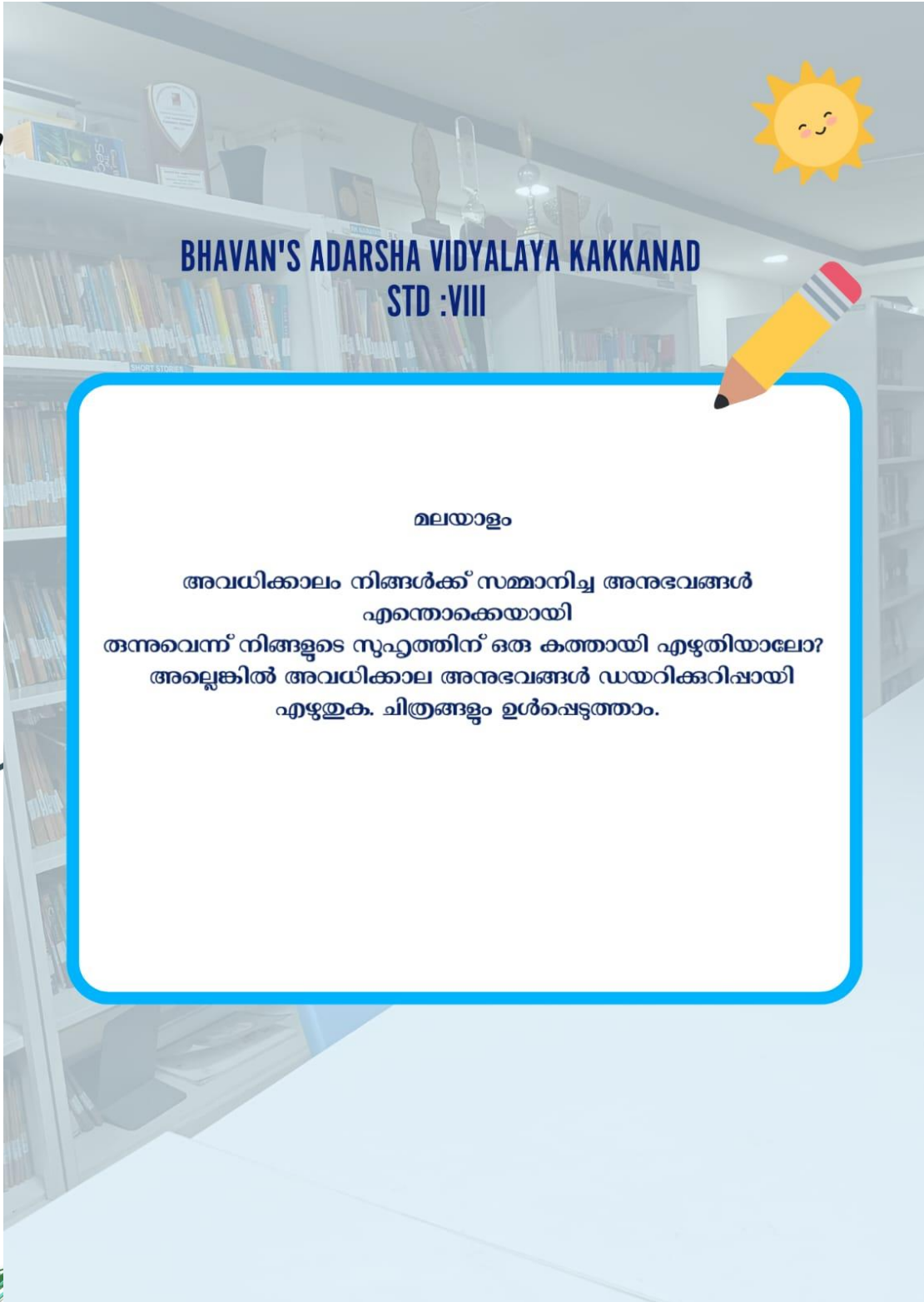
Title

Give your newspaper a **creative name**



Draw & Decorate:

Add headings, drawings, and colours to make your newspaper neat and attractive.



BHAVAN'S ADARSHA VIDYALAYA KAKKANAD
STD :VIII

മലയാളം

അവധിക്കാലം നിങ്ങൾക്ക് സമ്മാനിച്ച അനുഭവങ്ങൾ എന്തൊക്കെയായി
അനുഭവം നിങ്ങളുടെ സൂഹൃത്തിന് ഒരു കത്തായി എഴുതിയാലോ?
അല്ലെങ്കിൽ അവധിക്കാല അനുഭവങ്ങൾ ഡയറിക്കുറിപ്പായി എഴുതുക. ചിത്രങ്ങളും ഉൾപ്പെടുത്താം.

Class 8
Hindi Vacation Assignment.

संवाद लेखन (Dialogue Writing)

विषय: "मोबाइल फोन और किताब के बीच बातचीत"

👉 कल्पना कीजिए कि मोबाइल और किताब आपस में बातें कर रहे हैं।
उनके बीच कम से कम 8-10 संवाद लिखिए।

SANSKRIT

लेखनम् (Article Writing)

Instructions:

Write an article in Sanskrit on a topic of your interest in 10-15 sentences.

Use simple and correct Sanskrit language. Give a suitable title (शीर्षकम्).

Write the article neatly in an A4 size paper.

You may decorate the page with a simple border or drawings.

Suggested Topics:

मम विद्यालयः , मम परिवारः , पर्यावरण संरक्षणम्

योगस्य महत्त्वम् ,मम प्रियः उत्सवः etc.....

Science

PART A (Survey Activity):

Record the **electricity meter reading** at the same time every **5 days** over a period of **one month** and complete the table given below.



Utility Bill Collection Record (Electricity)

Observation Table

Duration(5 days)(eg. 11/4/26 -15/4/26)	Meter Reading (Start)	Meter Reading (End)	Units Consumed (End – Start)	Main Appliances Used(other than bulb, fan, mobile chargers etc)	Average number of people present	Remark s


Instructions for Students

- Record the meter reading at **the same time every 5 days** over a period of **one month**.
- Calculate units consumed using:
Units = End Reading – Start Reading

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- List major appliances used (fan, TV, AC, fridge, etc.).
 - Write any unusual observation in remarks (e.g., “guests at home”, “AC used more”).

Analysis Questions

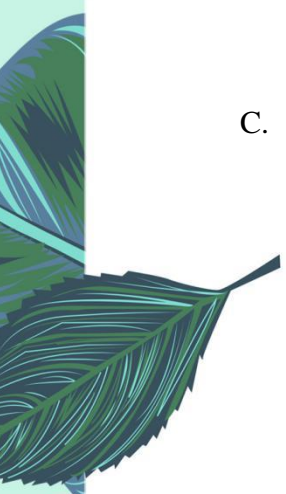
A. PHYSICS

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1. Identify the day with the **highest and lowest consumption**. What could be the reason for the difference?
 2. Compare your readings over the month. Do you observe any **pattern or trend** in usage? Explain.
 3. Which appliance or activity do you think contributed the most to the electricity consumption? Justify your answer.
 4. Estimate how much consumption could be reduced if one high-usage appliance is used less.
 5. Calculate the **total units consumed** over the entire month.
 6. Based on your observations, suggest **two practical measures** to reduce electricity usage.

B. CHEMISTRY

1. Compare the chemistry of a standard incandescent bulb to an LED. Based on your "List of appliances", how does the chemical composition of an LED help in "Energy Saving"?
2. During a power cut, many homes use a diesel generator for electricity backup. Name one harmful gas released by the generator. Mention one health problem caused by inhaling this gas.

C. BIOLOGY

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1. How does excessive use of electrical devices like mobile phones, TV and laptops affect human health? Example ice-cream sleep disturbance in headache etc
 2. Suggest two ways to reduce electricity usage at home that also help in protecting the environment and living organisms.

PART B (Activity – Arvind Gupta Toys):


Create a working model using simple materials.

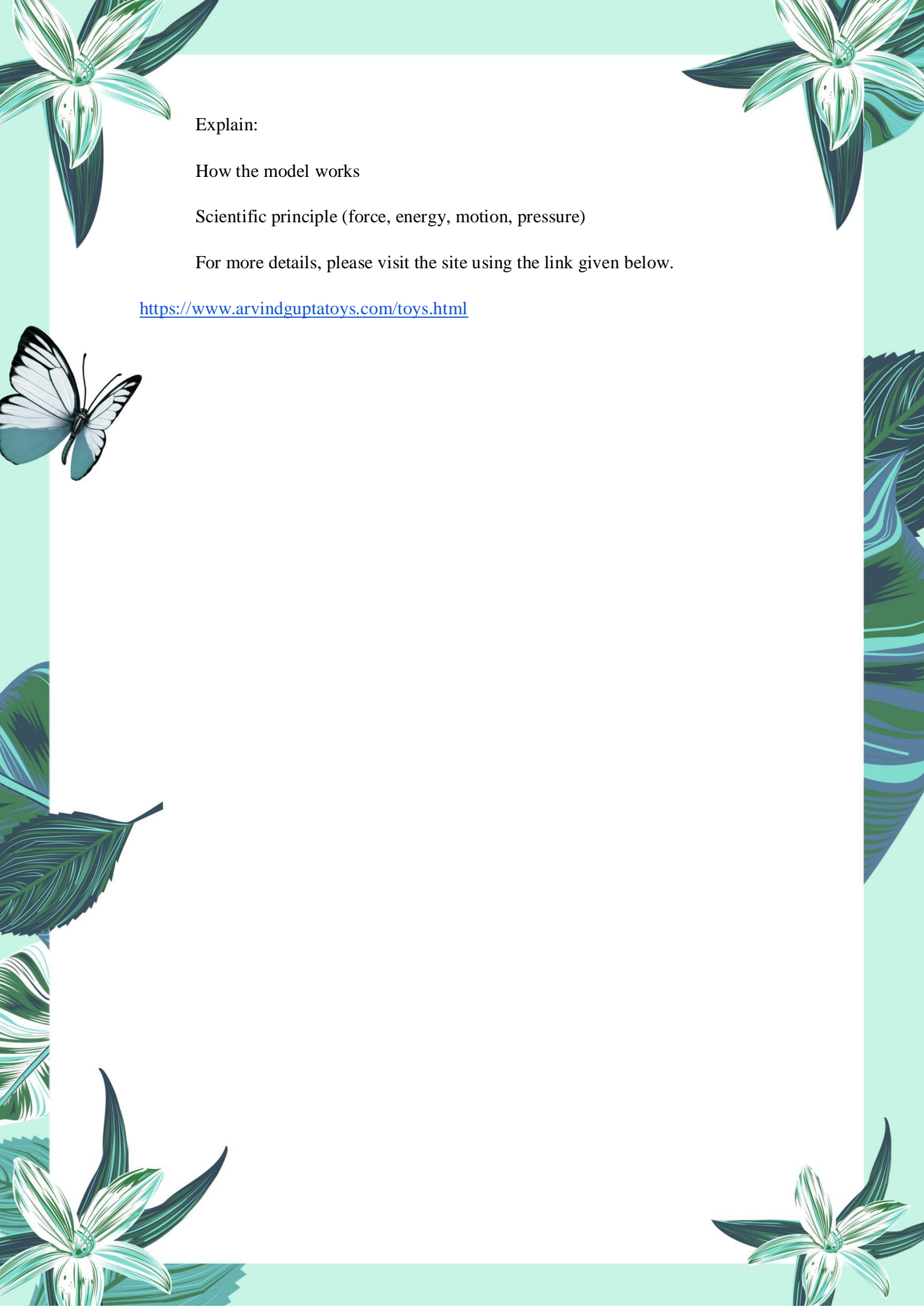
Examples:

Balloon Pump

Water Wheel

Spinning Top



The page features a decorative border with a light green background. The border includes stylized illustrations of flowers in the corners and a butterfly on the left side. The flowers have white petals with green and blue stripes. The butterfly is white with black markings on its wings.

Explain:

How the model works

Scientific principle (force, energy, motion, pressure)

For more details, please visit the site using the link given below.


<https://www.arvindguptatoys.com/toys.html>

MATHEMATICS

1. Solving equations

Solving Equations with Variables on Both Sides

Directions: Solve each equation. Use your answer to navigate through the maze. Show your work.

<p>START</p> $2(4x - 3) = 5x - 18$	$\frac{12 + x}{4} = \frac{-6 - x}{2}$	$-\frac{x}{4} - 2 = x + 3$	$\frac{12 + 3x}{2} = \frac{4x + 6}{3}$
$x = -4$	$x = -6$	$x = -3$	
$x = 2$	$x = -8$	$x = 1$	$x = -1$
$x = 1$	$x = -1$	$x = -1$	$x = -24$
$4(x + 1) = 2x + 2$	$x + \frac{x}{2} = 1 + 2x$	$x - 5(x + 1) = 5 + x$	$1 - \frac{x}{6} = \frac{x}{2} - 3$
$x = -1$	$x = -2$	$x = -2$	
$x = 1$	$x = 2$	$x = 11$	$x = 6$
$x = 1$	$x = 2$	$x = \frac{1}{2}$	$x = -3$
$-2x + 3 = 2(2 - x)$	$-7(x + 2) = x + 2$	$\frac{x}{4} + x = \frac{x}{2} - 3$	$12 + \frac{10}{x} = 10 - 12$
$x = -2$	$x = -4$	$x = 4$	
$x = -1$	$x = 10$	$x = 8$	$x = -\frac{1}{2}$
$x = -1$	$x = 10$	$x = 8$	$x = -3$
$\frac{6x - 5}{2} = \frac{3x + 12}{6}$	$-(x + 12) = -3x + 2$	$x - \frac{x}{4} = \frac{-(x + 5)}{2}$	<p>Good Job!</p>  <p>The End</p>
$x = 1$	$x = 7$	$x = -2$	

2. Create a rotating wheel showing Algebraic Identities.



3. Create a mathematical calendar as shown in the example for a month (May 2026) in which each date (1-31) is represented using an equivalent expression involving a square, square root, cube or cube root

eg




Health and wellness

WEEK I: Decode your mind


- ❖ What did I feel today?
- ❖ What triggered it?
- ❖ How did I react?
- ❖ What could I do better next time?



WEEK II

- ❖ 10 minutes' physical exercise.
 - ❖ 10 minutes deep breathing.
 - ❖ 1-hour digital detox.
 - ❖ Try-out a new hobby (craft, drawing...)
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WEEK III

- ❖ 3 things I'm grateful for.
 - ❖ 5 values that are important to you.
 - ❖ Plan improvements for next academic year.
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