BHAVAN'S ADARSHA VIDYALAYA KAKKANAD

VACATION ASSIGNMENT

GRADE VII

ENGLISH


CLASS 7
BOOK PODCAST
VACATION ACTIVITY
READ • THINK • SPEAK • INSPIRE
Read a book. Share your voice.
GOOD STORIES
BRIGHTER MINDS
STRONGER TOMORROW
A GOOD BOOK. A STRONGER YOU.
ACTIVITY
Read a book of your choice and create a short podcast-style presentation about the book and its author.
TASK
Choose any storybook or novel suitable for your level.
Read the book regularly during the vacation.
Prepare a short podcast (audio or speaking).
WHAT TO INCLUDE IN YOUR PODCAST
1 Name of the book
2 Name of the author
3 A short summary of the story (no spoilers)
4 Your favourite character and why
5 Your opinion about the book (What did you like? What did you learn?)
STUDENT OUTPUT (CHOOSE ONE)
Record a 2–3 minute audio podcast
OR
Present it as a spoken podcast in class
INSTRUCTIONS
Speak clearly and confidently.
Do not read fully from paper.
Use your own words.
Keep it interesting and expressive.
OPTIONAL CREATIVE TOUCH
Add a title for your podcast (e.g., "Book Talks with Me")
Include background sound or music (optional)
GOOD BOOKS. BRIGHT IDEAS. LOUDER VOICES.

SANSKRIT


Sanskrit Vacation Assignment 2025-26
Class: 7
Topic: क्त्वा, तुमुन्, ल्यप् प्रत्यया: (suffixes)
Activity: Chart Making.
Prepare a chart explaining the क्त्वा, तुमुन् and ल्यप् प्रत्यया: with meaning and examples.
Instructions:
Divide the chart into three sections –
क्त्वा प्रत्यय: तुमुन् प्रत्यय: ल्यप् प्रत्यय:
Make 5 sentences for each suffix.Use different colours for each section. Add small drawings or symbols that depict the actions.
Have fun and be creative.

MALAYALAM

Class 7

VACATION ASSIGNMENT

മലയാളം

അവധിക്കാലമാണല്ലോ. യാത്രകളാണല്ലോ അവധികളെ സമ്പന്നമാക്കുന്നത്. കേരളത്തിനകത്തും പുറത്തുമായി നിരവധി സ്ഥലങ്ങൾ നിങ്ങൾ സന്ദർശിച്ചിരിക്കുമല്ലോ ?

അതിൽ നിങ്ങളെ ഏറെ ആകർഷിച്ച ഒരു സ്ഥലത്തെക്കുറിച്ച് ഒരു പേജിൽ കവിയാതെ ഒരു യാത്രാവിവരണം എഴുതുക.

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	Remarks

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
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

PHYSICS

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

B. CHEMISTRY

- 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"?
- 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

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

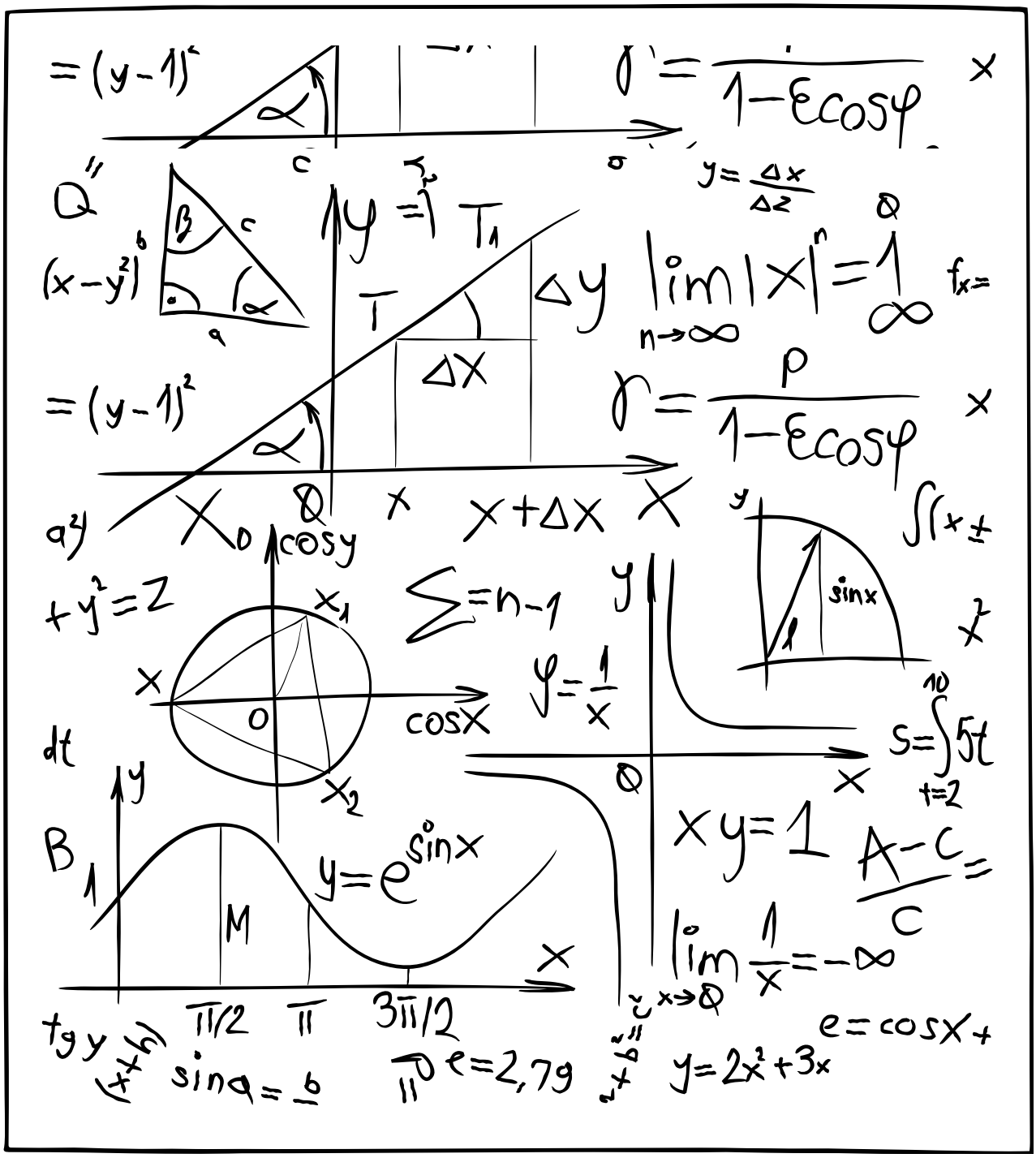
PART B (Activity – Arvind Gupta Toys):

Create a working model using simple materials.
Examples:

- Balloon Pump
- Water Wheel
- Spinning Top

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

MATHS


$\rho = \frac{p}{1-\varepsilon\cos\varphi}$
$y = \frac{\Delta x}{\Delta z}$
$\lim_{n\to\infty} |x|^n = \frac{1}{\infty}$
Δy
Δx
$\cos y$
$\cos x$
$\sin x$
$y = e^{\sin x}$
$y = \frac{1}{x}$
$xy = 1$
$\frac{A-C}{C}$
$\lim_{x\to 0} \frac{1}{x} = -\infty$
$S = \int_{t=2}^{10} 5t$
$y = 2x^2 + 3x$
$e = 2{,}79$
$e = \cos x +$
$\sin\alpha = \frac{b}{}$
$\sum = n-1$
$x^2 + y^2 = z$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$

1.COLLECT THE DAILY TEMPERATURE OF ANY TWO DISTRICTS OF KERALA FOR THE FIRST WEEK OF APRIL OR MAY . BASED ON THE ABOVE DATA ANSWER THE FOLLOWING QUESTIONS.

A) FIND THE ARITHMETIC MEAN,MEDIAN AND MODE.

B) DRAW THE DOUBLE BAR GRAPH FOR THE DATA.

C) WHICH DISTRICT WAS OVERALL HOTTER?

D) WHAT SMALL STEPS CAN STUDENTS TAKE TO REDUCE GLOBAL WARMING?

2.CREATE ONE ART DESIGN USING ANGLES ,SYMMETRY ,DIFFERENT TYPES OF LINES ETC.

3.FIND THE ANSWER FROM THE FOLLOWING GRID AND MARK IT .

A) A TRIANGLE WITH ALL SIDES EQUAL IS CALLED -----

B) LONGEST SIDE OF A RIGHT ANGLED TRIANGLE IS CALLED ITS ----

C) LINES WHICH DO NOT MEET EACH OTHER ARE CALLED ---

Evaluate:

d) $2^0 + 3^0$

e) $\frac{2^{\square} X\ 2^4}{2^3}$

Solve:

f) $\frac{X}{3} = 10$

g) 8 x - 8 = 32

MATHS WORD FIND

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

HEALTH AND WELLNESS
CLASSES V, VI &VII

FAMILY INTERVIEW :-

❖ASK PARENTS

- WHAT WAS YOUR CHILDHOOD LIKE?
- WHAT GAMES DID YOU PLAY?
- WHAT MADE YOU HAPPY WHEN YOU WERE MY AGE?
- WHAT HABITS MADE YOU SUCCEED?

❖ SET 3 SMALL GOALS FOR VACATION AND TRACK PROGRESS WEEKLY.