

SHAMBHU DAYAL GLOBAL SCHOOL HOLIDAY HOMEWORK (2025-26) CLASS – VI

ENGLISH	MATHEMATICS
Topic The language of nature -How animals	Task 1: Animal Communication Patterns
communicate	and Graphs
Title: Create a Research Activity	Title: Can You Hear Me? – Graphing Animal
Instructions:	Sounds
Create a Comic Strip:	Objective:
• Draw and write a comic (6–8 frames)	Students will analyze the frequency and
showing two animals "talking" through their	patterns of animal sounds using bar graphs or
natural communication methods. Use speech	line graphs.
bubbles creatively. Word Power:	Instructions:
• Make a mini dictionary of 5 new words you learned while researching. Write their	1. Choose 3–5 animals (e.g., dolphin, bird,
meanings and use each in a sentence.	bat, elephant, wolf).
How to execute-	2. Research the frequency (Hz) or number of
 Make a folder of A4 size sheets of your 	calls per minute that each animal produces
Research report on animal communication	in communication.
compared with human	3. Collect the data and organize it into a frequency table .
Language.	 Represent the data visually using:
• Paste some colourful pictures of birds.	a. A bar graph (e.g., number of calls per
L L	minute for each animal).
	b. A line graph (e.g., frequency over time, if
	data is available).
	5. Add labels, title, and analysis (e.g., Which
	animal communicates most frequently?
	Which has the highest frequency sounds?).
	Task 2: Code Crackers – Patterns in
	Animal Signals
	Title: Crack the Code – Exploring Patterns in
	Animal Communication
	Objective:
	Students will explore patterns and sequences
	in animal signals and use mathematical
	thinking to decode or recreate them.
	Instructions:
	1. Choose one animal that uses signals for
	communication (e.g., bees' waggle dance,
	fireflies' flashing, whales' songs).
	2. Research and document the pattern in its
	communication (e.g., duration of flashes,
	angle of bee's dance, or intervals between
	whale calls).
	3. Represent the pattern using:
	a. A mathematical sequence or code (e.g., 2
	short flashes + 1 long = warning signal).

	b. Symbolic representations to model the
	pattern.
	4. Optionally, simulate your own animal
	communication code for your classmates to
	crack using patterns and numbers.
SCIENCE	HINDI
Objective:	Topic – The language of nature How
To learn how animals communicate using	animal can communicate.
sounds, movements, colors, and scents.	
Pick 4 to 5 animals that each use a different	कहानी लेखन (Story Writing)
method to communicate.	
Do Research and Write your report using this	• जानवरों का कोलाज (पत्रिकाओं और पुरानी किताबों के माध्यम से
format in your project file.)जानवरों के चित्र लेकर A4 शीट पर लिखें और उस पर पाँच वाक्य
Title: How they communicate	लिखिए
why animal communication is important.	.1
Why they use that method (e.g., to warn others,	• जानवरों की संवाद प्रणाली पर एक चित्र कहानी (Picture
find food, attract mates)	Story) बनाएँ
An example of a real behavior (e.g., "Bees do a	
waggle dance to show where flowers are."	गतिविधि: एक जानवर चुनें (जैसे डॉल्फ़िन, मधुमक्खी, हाथी या पक्षी)।
(Repeat for each animal) Conclusion: 2–3 lines about what you learned or	उस जानवर की संवाद शैली पर आधारित एक कहानी (कॉमिक) बनाएं।
found interesting.	
4. Add Visuals	 क्या जोड़ें: चित्र + हिंदी संवाद/वर्णन।
Draw or print pictures of each animal and how	
they communicate. Label them in your project	
file clearly.	
(Optional: Make a poster or chart to display	
your findings.)	
5. Practice and Present	
Prepare to present your findings to the class.	
FRENCH	SANSKRIT
Topic- The language of Nature- How animals	SANSKRI
communicate	Topic – The language of nature How
ACTIVITY - MATCHE DOUT THE DIOMENAGE! I LET S 90	animal can communicate.
Activity- Marché pour une promenade! (Let's go for a walk)-Collect the pictures and make a	animal can communicate.
for a walk)-Collect the pictures and make a	
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	• Canva / Coogle Slides to design gerenhault
	 Canva / Google Slides to design scrapbook pages.
	 Add:
	· · ·
	• Modern : Devanagari, Tamil, Gurmukhi,
	Bengali
	Topic 2: The Language of Nature – Animal Communication
	1. Poster / 3D Chart (AI-Enhanced Design): Use:
	• Canva / Adobe Express: Search "animal communication poster"
	• AI suggestions via ChatGPT:
	• Bees – dance language
	• Dolphins – clicks and whistles
	• Elephants – low-frequency rumbles
	• Birds – song patterns
	\circ Dogs – tail wag, bark, whine
	2. Podcast or Video (AI Voice & Editing
	Help):
	Use tools like:
	• Eleven Labs / Murf.ai: Generate realistic
	animal-sound voiceovers.
	• Cap Cut / In Shot / iMovie: Edit a fun,
	educational video mimicking animal
	sounds.
	Script Help: Ask ChatGPT for a sample script:
	"Hi, I'm a dolphin! Click-click! That means I'm happy to see you!"
IDU SPORTS	VISUAL ART
	VISOILIARI
TOPIC-The Language of Nature in Sports	Project Title:
1. Nature-Inspired Sport Pose Drawing (Art +	
Sports)	"The Language of Nature – How Animals
Draw 5 yoga poses that are inspired by animals	Communicate"
or nature (like cobra, tree, butterfly, etc.).	
Write their names and explain how these poses	Homework Task:
help in sports and fitness.	1 Durania a/A at Durais at
2. Create a Nature & Sports Scrapbook	1. Drawing/Art Project:
(Science + Sports)	Make a colourful drawing or painting showing how animals communicate.
Make a mini scrapbook showing how natural elements (like water, wind, sun, earth) influence	You can choose one or more animals, like:
	a Bees doing the "waggle dance"
sports. Example: Surfing (water), Sailing (wind), Track	b Elephants touching trunks
& Field (sun), Mountain Climbing (earth).	c Dolphins making clicking
Add pictures and write 2 lines about each.	2. sounds Short Description (3–4 lines): On the
3. Nature Walk – Observation Report	same page or back of the artwork, write:
(Language + Physical Education)	a What animals are shown
Go on a nature walk and observe how animals	b How they are communicating
move (jump, run, balance, stretch).	c Why this is important in nature
more yump, run, ourmoe, succonj.	• Thy and is important in nature

 Write a short report (8–10 lines) on how athletes also use these types of movements in sports. 4. Design a Nature-Friendly Playground (Sports) Draw or create a model of a playground made from natural or eco-friendly materials Label each part and explain why it's safe and good for the environment. 5. My Favourite Animal as an Athlete (English + Sports) Choose an animal and write a short paragraph describing how it would perform in a sport. Example: "The cheetah would be a great sprinter in the Olympics!" 	Materials Suggested: A4 or chart paper Crayons, color pencils, or paints Glitter, leaves, or cotton (optional for decoration)
CLUB	SKILL
MOVIE MAKING:	EMBROIDERY:
1. Make Video on -Theme or Story	TASK 1: Create a beautiful Parandi using
a. Examples:	traditional craft materials like bangles and
i. A day in my life	latkans.
ii. How I helped someone	TASK 2: Prepare a Sampler Cloth (minimum size: 12 x 12 inches). Practice and neatly stitch
2. Shoot the Movie	the following 6 embroidery stitches:
a. Use a mobile phone or tablet.	Stem Stitch
b. Try to keep the camera steady	
(you can use books or a stand). c. Speak clearly and keep	Satin Stitch
background noise low.	Chain Stitch
3. Edit Your Movie (Optional but	
encouraged)	Herringbone Stitch
a. You can use free apps like	
Kinemaster, iMovie, CapCut, or YouCut .	French Knot
b. Add background music, text, or	2D DDINTING Draw a design of any animal
effects.	3D PRINTING: Draw a design of any animal like (butterfly, fish,owl,turtle) on butter paper.
4. Give It a Title & Credits	POTTERY : Skill Focus: Fine motor skills,
a. Create a title screen with the	pattern recognition
movie name.	Activity:
b. Add credits at the end (who	• Provide cutouts of vases or plates.
acted, who filmed, etc.).	• And pot let kids decorate them with
5. Submit or Present	blue-themed stickers in patterns
a. Submit the video to your Class	(circles, lines, floral).
Teacher or be ready to show it in	• Material required – Natural clay
class after the holidays.	
SOLID WASTE MANAGEMNET: 1 Mini Research Project- Solid waste Activity	
• Choose one topic:	
 "Plastic Pollution in My City" 	
• "What Happens to Garbage After	
It Leaves My Home?"	
 "Composting at Home" 	

Write a short report (300–500 words) with photos, drawings, or newspaper clippings .
AQUACULTURE:
Activity 1: Nutrient Solution Experiment- Aquaculture Activity
Objective: Understand how nutrients affect plant growth in hydroponics. Instructions:
 Set up 2–3 jars with plants. Use: Jar A: Plain water Jar B: Water + fertilizer Jar C: Water + compost tea (optional) Record and compare growth weekly. Write a short conclusion on the impact of nutrients.
MASS MEDIA:
"Poster Pledge Parade"
Project Title: I Pledge For My Planet! Activity: Design a series of three posters around small but powerful community pledges (e.g., "I Will Not Waste Water", "I Will Use Paper Bags", "I Will Share Books with Others").
 Add original slogans Use drawings, symbols, or recycled materials Take a photo holding one poster and write a 2-line message for your community
Outcome: Social commitment, early civic awareness, creative expression