Project-based Learning

My Project Booklet

Grade 5 (Term I)



Living Together





People and Nature





Student's Name _____ **School Name** _____

Teacher's Name _____ **UDISE Code** _____ **Class** _____

District _____ **Block** _____ **State** _____ **Teacher's No.** _____

An aimless life is always a miserable life.
... on the quality of your aim
will depend the quality of your life.

~The Mother~



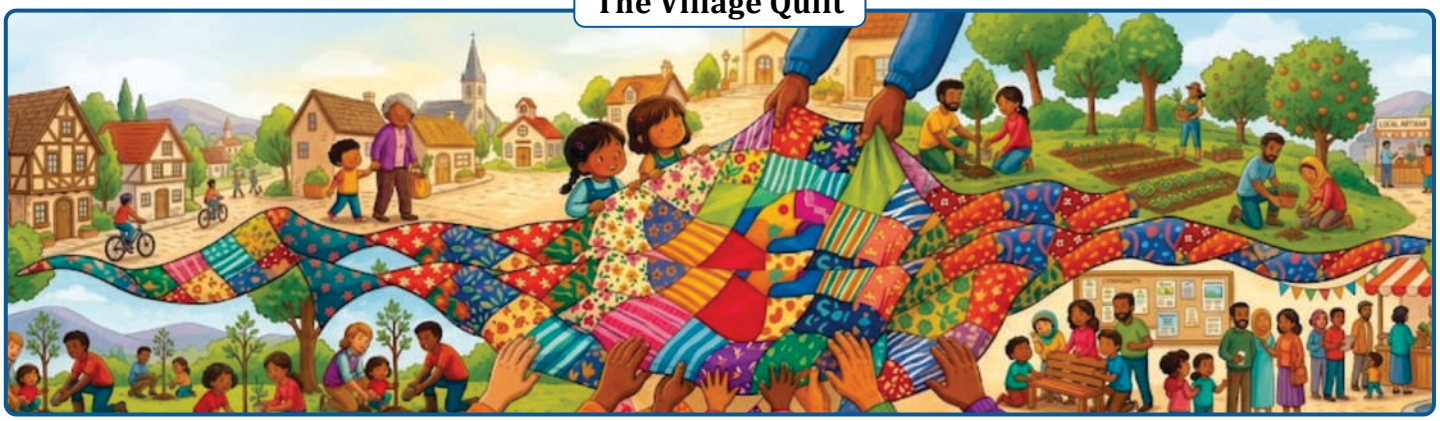
Living Together



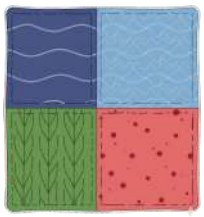
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People become a community when they come together and care for one another. Read the poem silently first. Then, listen as it is read aloud to the class. Use the given picture to figure out new words.

The Village Quilt



Our village is a giant quilt, so wide and soft and strong,
Made of many fabrics, where every part belongs.
If the green square feels lonely, the blue square gives a hug,
If the wool square feels sticky, the silk square gives a rug.
We learn to share our colours, our laughter and our tears,
Because a quilt that's sewn together, will last for many years.





Complete the exercise below using evidence from the poem.

❖ The 'giant quilt' refers to _____.

❖ List two ways people look after each other in the poem.

- _____
- _____

❖ Write a paragraph (30–40 words) describing your neighbourhood. Include why staying together is important. Give a title to your paragraph.

_____

_____

_____

_____



Let's Share

Work with your partner to make the summary of the poem. Present the summary to the class. While presenting, share the most important lesson you learnt from the poem.

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Let's Find

Tick (✔) the correct word (homophone) in the sentences given below.

1. The (sun / son) shines brightly on the green wool squares.
2. The villagers (know / no) that helping each other is important.
3. You can (hear / here) the sound of laughter in the village.
4. It is the (write / right) of every child to feel they belong in the village.
5. When the cold winds (blue / blew), the (blue / blew) silk square kept us warm.

Complete the sentence meaningfully using the homophone of the highlighted word.

Each _____ of the quilt was sewn together with care to ensure that the village lived in **peace**.

One Big Family

Skill - Logical Reasoning | Values - Concentration

In a big apartment building named Vinayak Society, people don't just share a roof; they share their lives. Read the comic strip carefully and complete the task.



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Look closely at Amit in each panel of the comic strip and complete the table. An example is given for you.

Amit's mood	Panel number	Reason
Gloomy	1	It is raining, the power is out and he cannot go out to play football.
Curious		
Energetic		
Joyful		

Let's Find

Based on the comic strip, complete each sentence with a word that describes the action (adverb):

- The rain fell _____ on the roofs.
- Amit looked _____ outside the window.
- Mrs Iyer stirred the *khichdi* _____.
- The neighbours spoke _____ while they ate together.

Let's Think

Combine the two 'friend words' below to create a new word (compound word) that matches the given clue. For example, foot + ball = football (the game Amit wanted to play).

- black + _____ = _____ (a period of time when all the electric lights go dark)
- _____ + work = _____ (when people come together to finish a task)
- hall + _____ = _____ (a long passage in a building that connects different rooms)
- _____ + cake = _____ (a small cake)
- pot + _____ = _____ (a meal where everyone brings a dish to share)

Nature Connection **Skill - Collaboration | Values - Diligence**

Everyone has a role to play in a community. And sometimes one person might play more than one role. Similarly, words can also play different roles, as shown below:

PLANT

Noun: A healthy plant with roots, stem and leaves needs water and sunlight.

Verb: We will plant this small seedling in the garden.





For each word given below, write two sentences: one using the word as a noun and one using it as a verb.

- Word: brush
  - Noun: _____
  - Verb: _____
- Word: watch
  - Noun: _____
  - Verb: _____

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Discuss with your partner and make a list of words that can be used both as nouns and verbs.

S. no.	Word (noun/verb)	S. no.	Word (noun/verb)
Example	walk	3.	
1.		4.	
2.		5.	

Let's Find

A good neighbourhood thrives on balance. Look at the highlighted word in each sentence and write its opposite in the blank to complete the story.

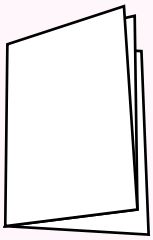
A great neighbourhood is all about balance. On our street, the **new** houses stand tall right next to the _____ ones that have been here for decades. In the park nearby, the **fast** runners finish their race while the _____ walkers enjoy the music. Some neighbours prefer to stay **inside** their quiet homes, but most go _____ every evening. It doesn't matter if you live **near** the park or _____ away at the end of the road; we are all one team!

Living Together

Skill - Creativity | Values - Patience

Create a 'Living Together' book following the steps given below.

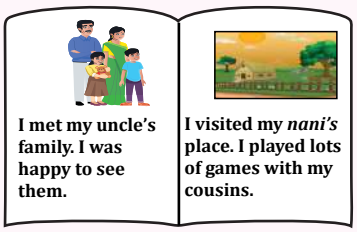
1. Take 3–5 A4 sheets. Fold each sheet in half and staple or tie them together with a piece of thread to make a booklet.



2. Design a warm and attractive cover page. Write the title: **Living Together**.



3. Fill your booklet with drawings and short writings about helping, sharing and caring in your community. You may use the following ideas:
   - Describe a time when you helped someone.
   - Describe a time when someone helped or cared for you.
   - Write about a festival or special meal you shared with your neighbours or friends.
   - Draw or paste a picture of a happy or memorable moment in your community.



4. Decorate your booklet using bright and colourful designs.



5. Write a 'Kindness Promise' on the back cover, describing one way you will be kind and helpful to others.



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Rima lives in a high mountain region where heavy snowfall, storms and landslides often block roads. Because of this, some nearby villages get cut off from help. Rima is leading a rescue team to deliver food, medicines and warm clothes to these villages as quickly as possible. The team must plan carefully using distance and population data.

Village name	Distance from Rima's village	Population
Village 1	18 km	12,450
Village 2	25 km	10,000

Village name	Distance from Rima's village	Population
Village 3	12 km	8,960
Village 4	30 km	9,375

The team starts by reading and understanding the data. Read the data and answer the following questions.

❖ Write the population of Village 1 in words.

_____

❖ What is the place value of 8 in the population of Village 3?

_____

❖ Round off the population of each village to the nearest thousand. Then write the names of the villages that have the same rounded population.

_____

❖ Fill in the place value chart for each digit of this number.

Number	TTH	TH	H	T	O
10,000					

❖ If the place values of these digits change, the following new numbers are formed.

01000 | 00100 | 00010 | 00001

Now, fill in the place value chart for each of the numbers.

Number	TTH	TH	H	T	O

- What do you notice about the position of 1 in each number?

_____

- How does the place value of 1 change when zeros are added on the left?

_____

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❖ To plan supplies, the team compares village populations. Arrange all the village populations in ascending order.

_____ < _____ < _____ < _____

❖ Now, the team calculates how much help is needed.

- Find the total population of all villages.

- Each person needs 5 food packets. How many food packets are needed in total?

❖ Create a number pattern starting at 8,960. Increase the value by 100 for each new step. Write the pattern in the boxes below.

_____ _____ _____ _____

Let's Discuss

How does weather affect the life and movement of people and animals in the mountains?



Exploring Fractions

Skill - Collaboration | Values - Honesty

Follow the instructions below, then share and compare your answers.

- Take one sheet of paper and cut it into 3 equal strips.
- Take one strip and fold it into half. Colour one half of the strip.
- Take another strip and fold it into 4 equal parts. Colour one part.
- Take a third strip and fold it into 8 equal parts. Colour two parts.

❖ How many equal parts does your first strip have? What fraction of it is coloured?

_____

❖ How many equal parts does your second strip have? What fraction of it is coloured?

_____

❖ How many equal parts does your third strip have? What fraction of it is coloured?

_____

❖ Which fraction is the biggest: $\frac{1}{2}$, $\frac{1}{4}$ or $\frac{2}{8}$?

_____

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Play a Game

How to Play

Step 1: Sit with your partner.

Step 2: Fold the three strips created above and mix them well.

Step 3: Start Round 1.

- Both players pick one strip.
- Read the fractions on the strips aloud.
- Compare both the fractions on the strips. The one with the bigger fraction is the winner.
- Write your fraction, your friend's fraction and the winner in a score sheet.

Step 4: Repeat the same steps for Round 2 and Round 3.

Step 5: After all rounds, look at the score sheet.

- Count how many rounds each player has won.

Step 6: Write the overall winner in the last row of the score sheet and declare him/her as the Fraction Champion.

Step 7: To make it more fun, add more fraction strips and increase the number of rounds.

Score Sheet

Round	Your fraction	Your partner's fraction	Winner
Round 1			
Round 2			
Round 3			
Overall winner (Fraction Champion)			

❖ Did you or your partner win? _____

❖ How did you feel? _____

❖ Did you enjoy the game? _____

❖ What was the most fun part? _____

Map Design

Skill - Creativity | Values - Appreciation

Rima wants to create a map of the neighbourhood park so she can easily guide her friend from the entry to the exit. Help her show the correct path and directions clearly on the map.

Let's Draw

Draw a map on the grid by following these steps:

Step 1: Draw a top view map of the rectangular park showing: entry gate, trees, a pond, symmetrical flower bed, a sitting area and exit gate.

Step 2: Draw a walking path connecting all the places.

Step 3: Use arrows to show which direction to go.

Step 4: Label the turns using: left turn, right turn, half turn, clockwise and anti-clockwise.

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❖ Do you like going to the park? If yes, what do you enjoy doing there? _____

_____

❖ What things are common between your neighbourhood park and Rima's park? _____

_____



Let's Discuss

Compare your map with your partner's map. Talk about what is common, what is different and one thing you like in your partner's map.

कहानियों का संसार

Skill - Communication | Values - Cooperation

नीचे दी गई कहानी पढ़कर प्रश्नों के उत्तर दें–

परिवार का साथ

रवि का परिवार छोटा था, लेकिन सभी एक-दूसरे की मदद करते थे। एक दिन घर पर मेहमान आने वाले थे। माँ खाना बना रही थीं, वह बहुत स्वादिष्ट खाना बनाती हैं। पिताजी पूरे घर की सफाई कर रहे थे और रवि अपने छोटे भाई के खिलौने समेटने में मदद कर रहा था। रवि ने कमरे को साफ किया और मेज पर प्लेटें सजायीं। उसका छोटा भाई पानी की बोतलें लाकर रख रहा था। थोड़ी देर में घर बहुत साफ और सुंदर लगने लगा। जब मेहमान आए, तो सभी ने मिलकर उनका स्वागत किया। सभी ने साथ बैठकर खूब सारी बातें कीं और खाना खाया। मेहमान भी बहुत खुश हुए। उस दिन रवि ने सीखा कि जब परिवार के सभी सदस्य मिलकर काम करते हैं, तो हर काम आसान हो जाता है।



सोचें और लिखें

अपने सहपाठी के साथ नीचे दिए गए शब्दों पर चर्चा करें और कहानी में प्रयोग हुए उनके समान अर्थ वाले शब्द लिखें–

शब्द	समान अर्थ वाले शब्द	शब्द	समान अर्थ वाले शब्द
स्वच्छता		प्रसन्न	
अतिथि		सरल	



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❖ परिवार के लोगों ने क्या-क्या काम किए? कोई दो कार्य लिखें। _____

_____

❖ कहानी का मुख्य विचार एक वाक्य में लिखें। _____

_____

❖ यदि आप रवि के परिवार में होते तो कौनसा कार्य चुनते और क्यों? _____

_____



आओ बातचीत करें

आप अपने परिवार की कौन-कौन से कार्यों में सहायता करते हैं और आपको कौन-कौन से कार्यों में सहायता करनी चाहिए? अपने दोस्त के साथ मिलकर बातचीत करें।



रचनात्मक कार्य

आपको अपने विद्यालय में "परिवार के महत्त्व" पर अभिभावकों के लिए एक कार्यक्रम आयोजित करना है। एक A-4 पेज पर अभिभावकों को बुलाने के लिए एक आमंत्रण पत्र बनायें और सजाएँ–



आओ साझा करें

नीचे दिए गए निर्देशों को पढ़ें और अपने 'आमंत्रण पत्र' को कक्षा के सामने प्रस्तुत करें–

❖ सभी के सामने 'आमंत्रण पत्र' की प्रस्तुति करें।

❖ साथियों द्वारा प्रस्तुत किये गए 'आमंत्रण पत्र' को बेहतर बनाने के लिए सुझाव दें और सही करने में उनकी सहायता करें।

❖ साथियों के सुझावों पर विचार करें और उन्हें मानें।

❖ प्रस्तुत कर रहे साथी की बात को ध्यानपूर्वक सुनें।

एक विद्यार्थी ने आमंत्रण पत्र हेतु जो पत्र लिखा है उसमें कुछ विराम चिह्नों की गलतियाँ हैं। गलतियों को सही करें और नीचे दिए गए स्थान में पत्र पुन: लिखें–

प्रिय अभिभावक?

सादर नमस्कार हमारे विद्यालय में परिवार का महत्त्व विषय पर एक विशेष कार्यक्रम आयोजित किया जा रहा है जिसमें आपके विचार और सहभागिता अत्यंत आवश्यक हैं। क्या आप अपने अनुभव साझा करना चाहेंगे। कार्यक्रम में नाटक गीत तथा "परिवार हमारी शक्ति विषय पर चर्चा भी होगी कृपया दिनांक 20 अप्रैल समय प्रातः 10 बजे अवश्य पधारें आपकी उपस्थिति हमें प्रेरित करेगी

धन्यवाद!

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किताबों की दुनिया

Skill - Critical Thinking | Values - Concentration

अपने शिक्षक से परिवार से जुड़ी कोई कहानी की पुस्तक पूछें और कहानी पढ़कर पूछे गए प्रश्नों के उत्तर लिखें–

- ❖ कहानी का नाम - _____
- ❖ कहानी में कुल पात्र - _____
- ❖ आपका पसंदीदा पात्र - _____
- ❖ कहानी से सीख - _____

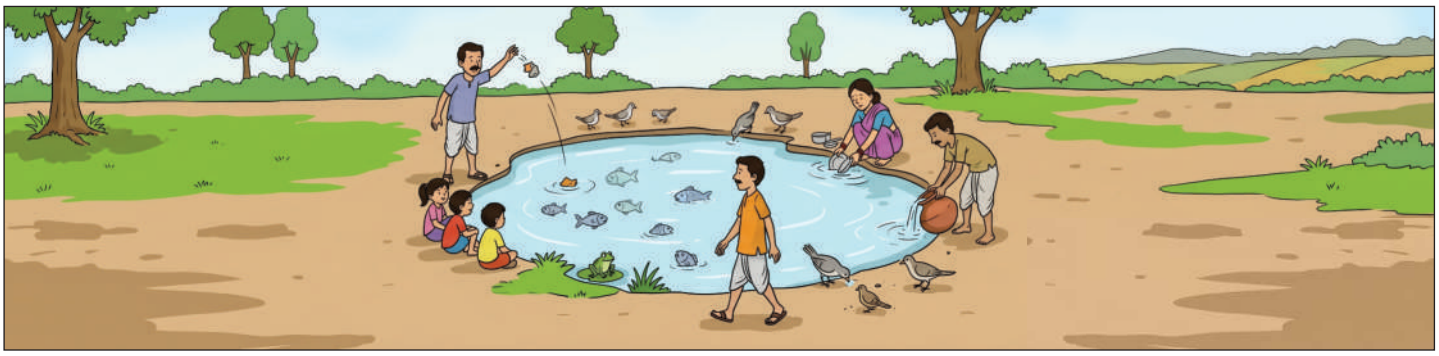
कहानी के आधार पर नीचे दी गई तालिका भरें–

संज्ञा	सर्वनाम	क्रिया	विशेषण

Life Around Water

Skill - Critical Thinking | Values - Responsibility

In Nikhil's village, everyone shares the pond. People and animals use the water for many different needs every day. Take a look at the picture to see what is happening there today!



- ❖ Write any three ways in which people and animals are using the pond in the picture.

_____

_____

_____

- ❖ Spot two actions that may harm the pond. What effect might they have on the pond and the living things around it?

Action 1: _____

Action 2: _____

Effect on pond and life around it: _____

_____

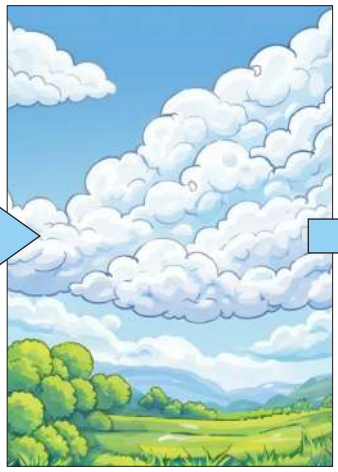
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Let's Share

Name a place near you where people and other living beings share the same water source (for example: a river, pond, tap or tank). How can you make sure this water is not wasted or harmed?

Water keeps moving around us in a continuous cycle, changing its form and travelling through nature. Look at the pictures showing the journey of water.

1. For each picture, describe what is happening in 1 or 2 sentences.
2. Now, imagine you are a raindrop; where would you go after the third picture? Draw and describe your journey in the last box.


The pictures show some changes we see in daily life. Match each picture to the correct type of change.

Solid → Liquid

Liquid → Gas

Gas → Liquid


Melting ice cream


Formation of morning dew


Drying clothes


Formation of droplets on a cold glass of water


Melting butter


Shrinking puddle

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Rivers are vital to the world around us. People, animals and plants all depend on them. As a river flows through the land, it is joined by smaller rivers called tributaries. The picture shows a river and its tributaries. Look at the picture carefully to see the villages nearby and then answer the questions.



1. Which village is located along the longest tributary of this river? _____

2. People from which village have to travel the farthest to get river water? _____

Find/Choose a river from your state or a nearby area. Talk to an elder (grandparent, neighbour or family member) and find out:

- ❖ where the river begins
- ❖ any 4 or 5 important places it flows through (towns, cities, villages, forests, etc.)

Now, draw your river's path and places around it. Label them and show which way the river flows.

My River Map

Find a classmate who has chosen the same river and exchange your river maps with each other.

- ❖ Write the places that are common to both your maps.

_____

- ❖ Name one place or feature from your classmate's map that you did not include in yours.

_____

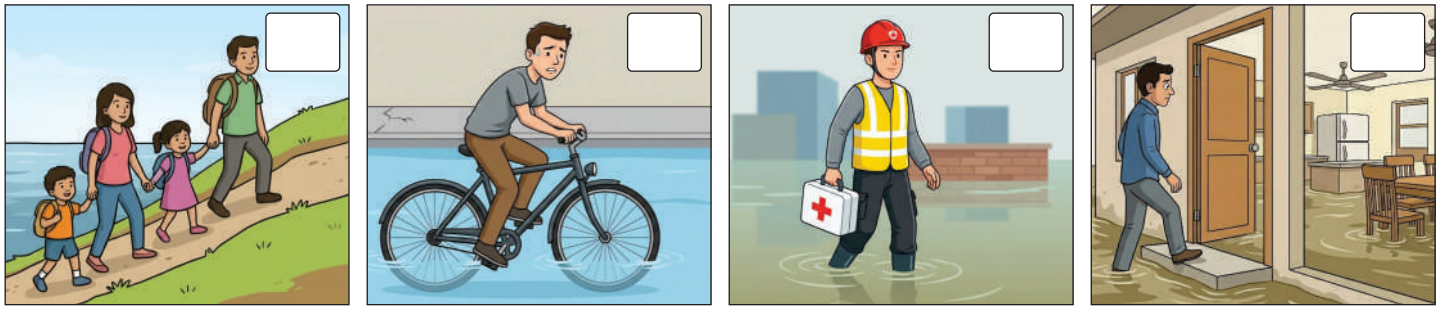
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Present your river map to the class and describe the places and features you have included.

Talk to an elder about this river. Find out what it was like earlier and how it is now. Write any two differences.

Earlier	Now

Sometimes rivers overflow and cause floods. The choices we make can keep us safe or put us in danger. The pictures below show different actions during a flood. Put a tick mark (✓) for the safe actions and a cross mark (x) for the unsafe ones.



❖ If a flood is likely in your area, what three things would you do to stay safe?

_____

_____

_____

Caring Through Food

Skill - Decision-making | Values - Thoughtfulness

When the lunch bell rang, Aarav and his friends sat together and opened their lunch boxes to see what was inside.



❖ Why do you think Aarav's friend stopped him from eating his lunch?

_____

_____

_____

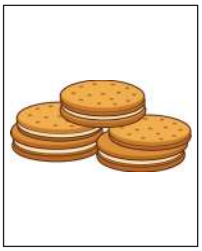
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❖ Write any two adjectives to describe Aarav's friends' nature or behaviour.

_____

_____

In the evening, Aarav was helping his mother store food items in the kitchen. Help Aarav place each food item in the correct space.

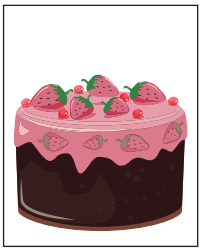


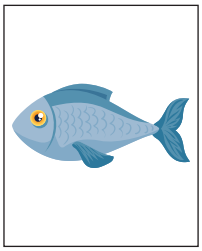














Refrigerator



Kitchen shelf

How did you choose which items to put in the refrigerator and which items to put on the shelf? Explain using one example from each place.

Item 1: _____

Reason: _____

Item 2: _____

Reason: _____

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People and Nature



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Read the passage carefully and answer the questions.

Leo loved being outdoors in the busy city. He enjoyed crowded streets, loud sounds and playing outdoor team games like cricket.

Mina loved quiet places in nature. She enjoyed the forest, liked to spend time alone, loved playing indoor games and sketching birds.

One day, Leo's family moved to a house near a forest, and Mina's family moved to a house in the city. At first, they felt uncomfortable. Leo found the forest too quiet and Mina found the city too noisy.

But slowly, they began to enjoy new things. Leo started to notice the sounds of nature, and Mina began to enjoy playing with others. They learnt that both loud and quiet ways of living can be wonderful.

❖ Where does Mina find calm?

_____

❖ What are the three things Leo loves about the city?

- _____ • _____ • _____

❖ Based on the story, state one advantage and one disadvantage of living in a city.

_____

_____

❖ Share your reflections in the class on the following points:

- Which character in the story is like you?
- What things are the same about you and the character?
- Give one example from your life that shows how you are like the character.

When others share their thoughts, ask them at least one insightful question about their choice.

Let's Find

Look at the list of games carefully and sort them in the right category.



Chess **Football** **UNO** **Scrabble** **Hide & seek** **Ludo** **Cricket** **Table tennis** **Hockey** **Tag**

S. no.	Indoor game
1.	
2.	
3.	
4.	
5.	

S. no.	Outdoor game
1.	
2.	
3.	
4.	
5.	

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Look at the table you just filled in and list the three games you play the most.

1. _____

2. _____

3. _____

Choose two games that you do not play but would like to play and complete the table. An example has been done for you.

The game I want to try	The joy	Challenge
Example: Chess	Feeling proud when I make a clever move to win	Sitting still for a long time and staying quiet
1.		
2.		



Let's Think

Nature is full of hidden colours! Mix two colours together to discover a new colour. Look at the example and complete the table.

Mixing test	Red + Yellow	_____ + Red	_____ + _____	Red + _____
Result	Orange	Purple	_____	_____
Connection (Draw something from nature that has the same colour.)				

Mix two colours to make a new colour below. Then, answer the following questions.

_____ + _____	_____

❖ Look around you. Which object is the closest match to the colour you made?

_____

❖ Describe the object in two or three sentences. _____

_____

_____

_____



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A group of students has arrived at Whispering Pines National Park. Read the sentences from the conversation between the park rangers and students below. Label each sentence as 'D' for declarative, 'I' for interrogative, 'Im' for imperative and 'E' for exclamatory.




Did everyone carry their water bottles for the trek? _____


Please stay close to your group during the nature walk. _____


The tall pine trees make this park look so beautiful. _____


Wow, the waterfall looks absolutely stunning! _____


Do not touch the baby animals in the rescue area. _____


How many kinds of birds live in this national park? _____

Let's Write

Imagine a park ranger is talking to a visitor who just arrived at the forest. Complete the dialogue between them meaningfully.

Ranger: Welcome! To protect the local flora and fauna, please make sure you stay on the marked trails.

Visitor: Thank you! I will. I also brought my binoculars so I can watch the birds near the river.

Ranger: _____

Visitor: _____

Ranger: _____

Visitor: _____

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Exchange your booklet with a classmate and complete the feedback slip given below. Use the questions given below to decide how many stars to give your classmate:

1. Is the dialogue related to the topic?
2. Did your classmate use correct punctuation (full stops, question marks, etc.)?
3. Is the handwriting clear and easy to read?

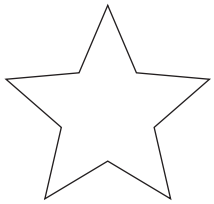
Peer Review Feedback Slip

Classmate's name: _____

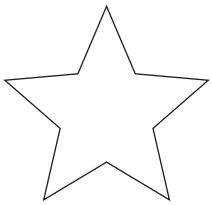
I liked your dialogue because _____.

You can work more on _____.

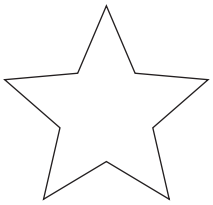
Colour the stars for overall performance.



Good



Great



Super

Let's Explore

Go to the library and find one book from the fiction section (stories) or from the non-fiction section (facts) that talk about nature or animals. Read the book in your free time and complete the appropriate row of the table based on your book.

Book type	Book title	One thing I found in the book
Story (fiction)		A character named: _____
Fact (non-fiction)		A real fact about: _____

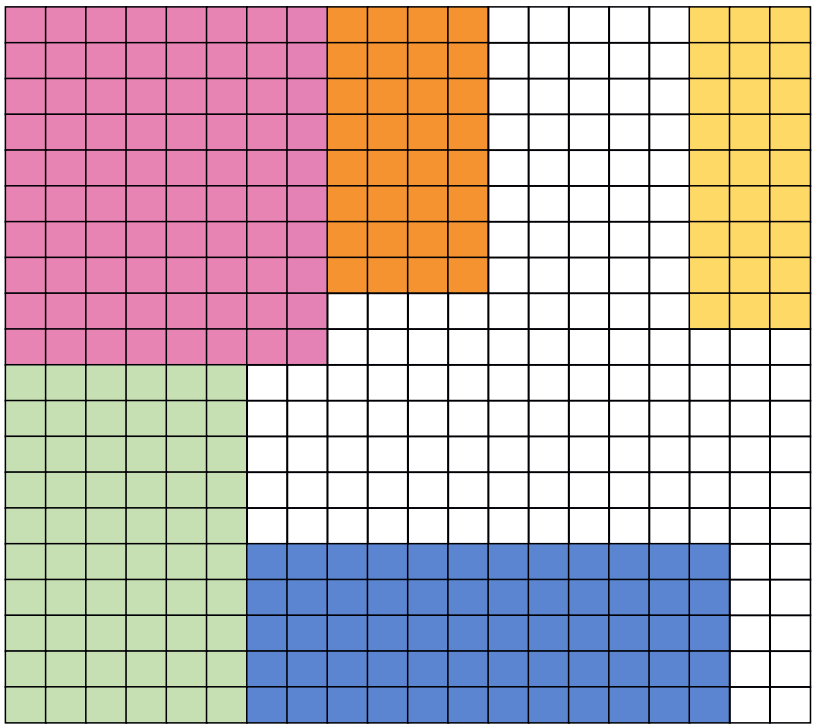
Create a decorative bookmark inspired by your chosen book.

Which specific character/fact inspired your bookmark? _____

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Rima visited her uncle's farmhouse during the holidays. Her uncle was starting a small animal farm. He decided to divide the land into different sections for horses, cows, sheep, poultry and fish.

Look at the picture below. If one unit equals 1 metre, find the length and breadth of each section and complete the table given below.



Key	
Animals	**Colour code**
Horses	
Cows	
Sheep	
Poultry	
Fish	

Animals	Section length (m)	Section width (m)	Perimeter (m)	Area (m square)
Horses				
Cows				
Sheep				
Poultry				
Fish				

❖ Which section has the largest area? _____

❖ Add a rectangular goat area to the farm using 20 square units. First, add it to the key with a colour of your choice. Then draw it on the grid above and colour it neatly.

❖ The total farm area is 20 m by 2000 cm (that is, 400 m square). After adding the goat section you drew on the grid, how much area is left in the farm?

_____

❖ If fencing costs ₹50 per metre, how much will it cost to fence the poultry section?

_____

_____

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Discuss with Your Partner

Now, look around your class and find a partner who has made a different goat section. Discuss the following questions:

- How is your goat section similar or different?
- Are the area and perimeter the same or different?

Share your observations with the class.

Our Little Garden

Skill - Problem-solving | Values - Environmental Awareness

Rima and her friends are preparing a small garden in their school to help birds, butterflies and plants grow. They bought different gardening items from a nearby shop.

Look at the price tags of the items they bought and complete the table by finding the total cost of each item.

Sapling	Water can	Seed packet	Gardening tool bag	Spray bottle	Plant pot	Garden marker



Item	Price per item	Quantity	Total price
Sapling	₹_____	8	₹_____
Water can	₹_____	10	₹_____
Seed packet	₹_____	4	₹_____
Gardening tool bag	₹_____	3	₹_____
Spray bottle	₹_____	4	₹_____
Plant pot	₹_____	10	₹_____
Garden marker	₹_____	15	₹_____

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Based on the above data, answer the following questions:

- ❖ Which item has the highest cost?

_____

- ❖ What is the total money spent on saplings?

_____

- ❖ How much money did they spend altogether on seed packets and garden markers?

_____

- ❖ Rima finds another nursery where saplings cost ₹20 each instead of ₹25. If she buys 5 saplings from this nursery, how much money will she save?

_____

- ❖ Rima and her friends saw different saplings and seed packets with price lists in the nursery, as shown in the table.

Item	Cost
Sapling A	₹35
Sapling B	₹30

Item	Cost
Seed packet A	₹15
Seed packet B	₹20

Complete the below table by listing all possible combinations of 1 sapling and 1 seed packet.

- ❖ Write the cost of each item.
- ❖ Find the total cost for each combination.
- ❖ Circle the combinations where the total cost is ₹50.

Sapling	Cost	Seed packet	Cost	Total cost
	₹_____		₹_____	₹_____
	₹_____		₹_____	₹_____
	₹_____		₹_____	₹_____
	₹_____		₹_____	₹_____



Let's Discuss and Write

- ❖ Which plant would you like to grow at home? How will you take care of it?

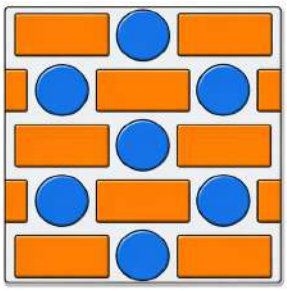
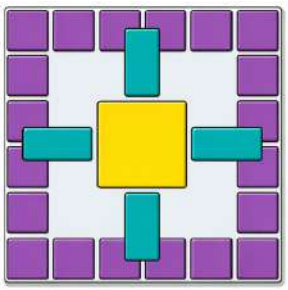
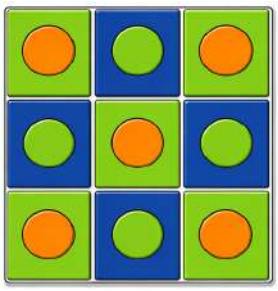
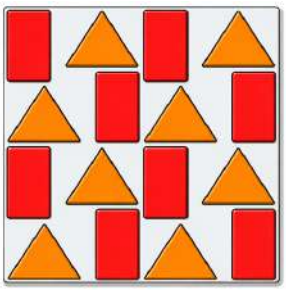
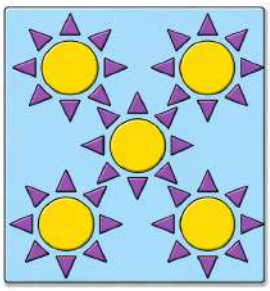
_____

_____

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Rima went to a park and saw many beautiful patterns on the pathway tiles. Some tiles looked the same on both sides (symmetrical), while others did not (asymmetrical).

Look at the patterns below. Tick (✓) the patterns that are symmetrical and cross (x) the ones that are asymmetrical.

Tile 1	Tile 2	Tile 3	Tile 4	Tile 5
				
☐	☐	☐	☐	☐

Look at each tile pattern carefully. Identify the 2D shapes you can see and complete the table.

Tile	Tile 1	Tile 2	Tile 3	Tile 4	Tile 5
Name of the shapes used					
Drawing of the shapes					

Draw your own tile pattern using any 2D shapes. You can use more than two shapes.

Let's Discuss and Write

Compare your tile pattern with your friends' patterns and share your experience.

- Which friend's design do you like the most? _____
- What do you like in his/her design? _____

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Rima is visiting a mango farm. The farmer needs help to pack and transport the correct number of mango cartons. Rima decides to help him.

Look at the table:

Types of mango	Number of cartons	Weight of carton	Types of mango	Number of cartons	Weight of carton
Alphonso	10	5 kg	Kesar	12	15 kg
Dasheri	15	10 kg	Langra	10	5 kg

To help the farmer, Rima first needs to understand weight.

- ❖ What unit is used to measure the weight? _____
- ❖ Which tool can Rima use to measure weight? _____

Before calculating, Rima should first make a guess. Help her.

- ❖ Which type of mango has the maximum total weight? _____

- ❖ Alphonso = _____ kg = _____ g
- ❖ Dasheri = _____ kg = _____ g
- ❖ Kesar = _____ kg = _____ g
- ❖ Langra = _____ kg = _____ g
- ❖ Which type of mango has the most weight? _____
- ❖ Which type of mango has the least weight? _____

The farmer repacks the 10 cartons of Alphonso mangoes into 5 larger cartons. Does this change the total weight of the mangoes? Explain your answer.

_____

_____

_____



Discuss with Your Partner

- ❖ What are some eco-friendly ways the farmer can use to pack mangoes?



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अपने सहपाठी के साथ मिलकर नीचे कहानी में कोष्ठक में दिए गए शब्दों पर चर्चा करें और संकेत पेटी से उनके समान अर्थ वाले शब्दों को लिखकर कहानी पूरी करें–

संकेत पेटी

हमेशा | प्राय: | मुस्कुराकर | घबराकर | घायल | समाप्त | पछतावा | आभास | प्रबंध

एक छोटे से गाँव के पास घना जंगल था। उस जंगल में बहुत सारे पक्षी और कई तरह के जानवर रहते थे। गाँव के बच्चे _____ (अक्सर) वहाँ खेलने जाते थे। एक दिन बच्चों ने देखा कि कुछ लोग जंगल के पेड़ काट रहे हैं और चारों तरफ कचरा फैला हुआ है। जानवर _____ (डरकर) इधर-उधर भाग रहे थे। गाँव का एक बच्चा मोहन, यह सब देखकर बहुत दुखी हुआ। उसी समय एक _____ (जख्मी) हिरण उसके पास आया। मोहन को समझ आया कि अगर जंगल _____ (नष्ट) होगा, तो जानवरों के घर भी खत्म हो जायेंगे। उसने सभी गाँव वालों को इकठ्ठा किया और सारी बात बतायी। सभी लोग मिलकर जंगल काटने वाले लोगों के पास गए और उन्हें समझाया कि जंगल पर हमारा ही अधिकार नहीं होता बल्कि यह जानवरों का घर भी है। जंगल काटने वालों को अपनी गलती का _____ (एहसास) हुआ। उन्होंने पेड़ काटना बंद कर दिया और नए पौधे लगाने का फैसला किया। बच्चों ने जंगल की सफाई की और जानवरों के लिए पानी का _____ (इंतज़ाम) किया। धीरे-धीरे जंगल और अधिक हरा-भरा हो गया।

नीचे दिए गए वाक्यों को पढ़कर 'वाक्य संरचना' के आधार पर शुद्ध वाक्यों के सामने सही (✓) और अशुद्ध वाक्यों के सामने गलत (x) का निशान लगाएँ। अशुद्ध वाक्यों को शुद्ध करके सामने दिए गए स्थान में भी लिखें।

वाक्य	सही/गलत	गलत वाक्यों का सही रूप
सभी बच्चे को मैदान में खेलना पसंद था।		
गाँव वालों ने मिलकर जंगल को बचाया।		
सोहन ने एक आम का पेड़ लगाए।		
इंसानों को जानवर के साथ मिलकर रहना चाहिए।		
पेड़ों पर पक्षियों के भी घर होते हैं।		

सोचें और लिखें

❖ यदि बच्चे कोई कदम नहीं उठाते तो क्या होता?

_____

_____

❖ कहानी के अनुसार बच्चों के कोई दो गुण लिखें।

_____

_____

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नीचे दी गई कविता पढ़ें और प्रश्नों का उत्तर दें–



धीरे-धीरे चलती स्वच्छ हवा,
हर बिमारी की यही दवा।
हरा-भरा सुंदर सा वन,
इन्हें देखकर खुश होता मन।

कल-कल बहती साफ़ सी नदी,
जीवन देती, खुशियाँ नई।
साफ़ रहे जब वातावरण,
स्वस्थ रहता हर एक जन।

जब बढ़ता है तापमान,
परेशान होता हर इंसान।
आओ मिलकर पेड़ लगाएँ,
धरती को फिर हरा बनाएँ।

खोजें और लिखें

❖ कविता से हमें क्या सीखने को मिलता है? कोई भी दो बिंदु लिखें।

_____

_____

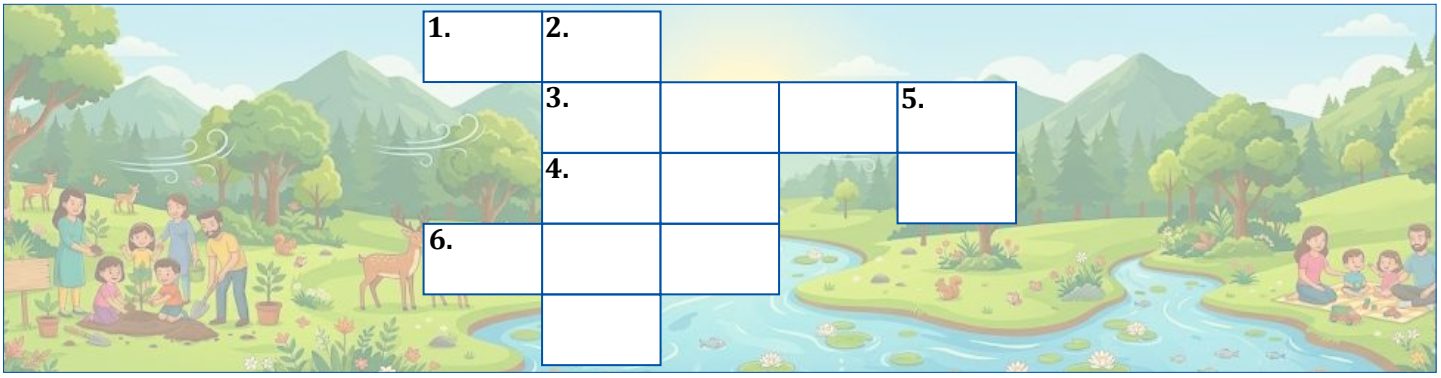
बाएँ से दाएँ और ऊपर से नीचे के निर्देशों का पालन करते हुए वर्ग पहेली भरें।

बाएँ से दाएँ -

1. जिसे सभी बीमारियों की दवा बताया गया है। (2 अक्षर)
3. जिसके बढ़ने से इंसान परेशान हो जाते हैं। (4 अक्षर)
4. जिसे देखकर मन खुश हो जाता है। (2 अक्षर)
6. जिसे हरा बनाने की बात कही गई है। (3 अक्षर)

ऊपर से नीचे

2. जिसके साफ होने से सभी लोग सेहतमंद रहते हैं। (5 अक्षर)
5. किसके बहने की बात कही गई है। (2 अक्षर)



अपने सहपाठी से चर्चा करें और पता करें कि इन शब्दों को अंग्रजी में क्या कहते हैं और दी गई तालिका में लिखें।

वर्ग पहेली में दिया गया शब्द	अंग्रेजी	वर्ग पहेली में दिया गया शब्द	अंग्रेजी

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अपने सहपाठियों या शिक्षकों की सहायता से 'पर्यावरण' से जुड़ी कोई कहानियों की पुस्तक ढूँढें और नीचे दी गई जानकारी भरें–

- कहानी का शीर्षक - _____
- कहानी की शुरुआत में क्या बताया गया है - _____
- कहानी के अंत में क्या सीखने को मिलता है - _____

_____

नीचे दिए गए स्थान में आप भी पर्यावरण पर आधारित एक कहानी लिखें और पेज को सजाएँ–

कहानी का नाम - _____

कहानी लिखने के बाद अपने कक्षा के किन्हीं 2 सहपाठियों को कहानी सुनाएँ। कहानी सुनाने के बाद उनसे बातचीत करके जानकारी नीचे लिखें–

- सहपाठी-1 का नाम - _____
- आपकी कहानी पर उनका क्या विचार है? _____

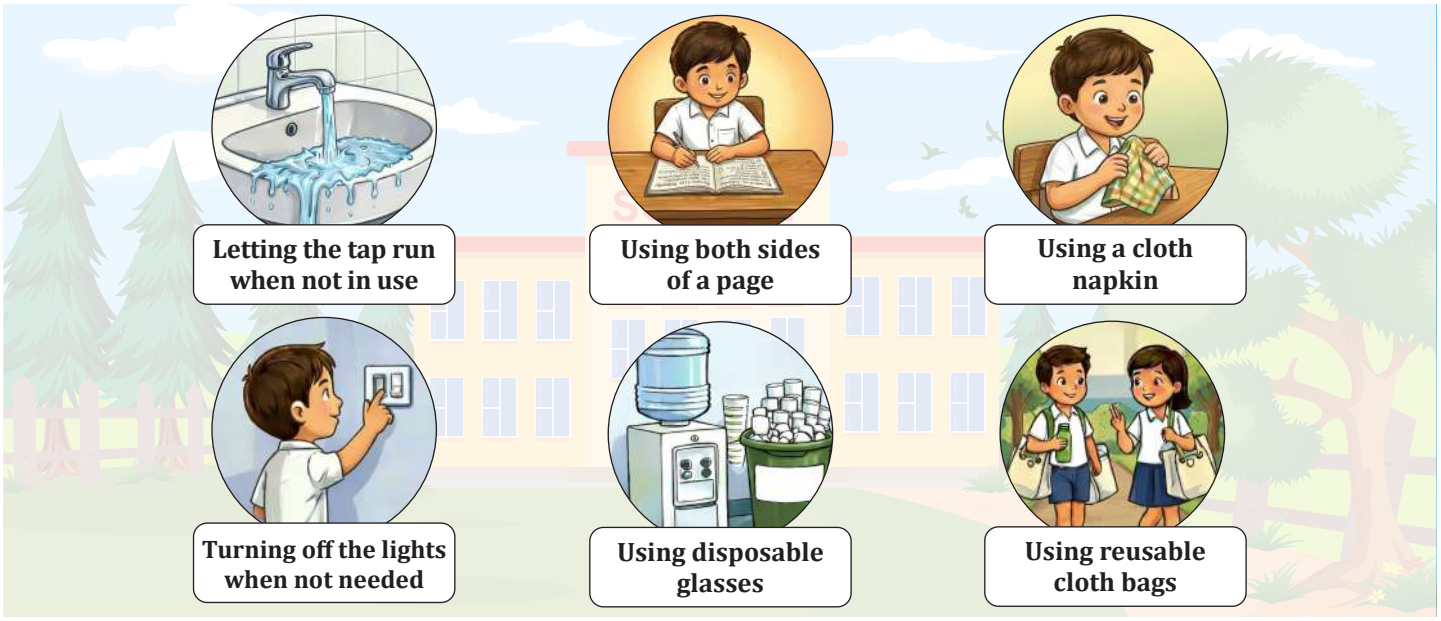
_____

- सहपाठी-2 का नाम - _____
- आपकी कहानी पर उनका क्या विचार है? _____

_____

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School is a place where we share space with nature and use its resources every day. Look at the pictures below and circle the actions that will help make your school greener and more nature-friendly.



Let's Share

If you were on a committee to make your school greener and more eco-friendly, what three rules would you set?

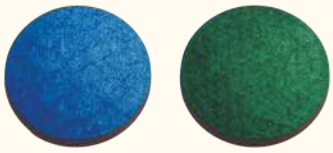
Let's Play

We will now create and play a waste sorting game.

1. Create materials needed to play the game.

Coin:

- Make a coin using a cardboard cutout or a plastic bottle cap.
- Colour one side blue and the other side green.



Waste cards:

- Cut 10–15 card-shaped pieces from a sheet of cardboard.
- On each card, draw or write one waste item. (For example, old newspaper, cardboard piece, empty metal can, empty pen refill, plastic bottle cap, apple core, eggshell, used tissue paper, plastic spoon and foil wrapper)



2. How to play:

- Put the cards facing down in a stack.
- Toss the coin to see which side lands face up:
  - The blue side means 'blue dustbin'.
  - The green side means 'green dustbin'.
- Pick one card from the pile.
- Check if the card matches the dustbin shown by the coin:
  - If the card matches the dustbin, you get five points and the next player gets a turn.
  - If the card does not match the dustbin, you get no points and the next player gets a turn.

3. Winning the game

- Play the game for three rounds.
- Add your points in the table given.
- The player with the most points wins.

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Play the game with your partner and list your score in the table below.

Played with: _____

Round	Coin result	Card picked	Points
1.			
2.			
3.			

Winner: _____ Winner's total score: _____

Using waste materials from home or school (like newspapers, pencil shavings or cardboard), create a nature landscape on a cardboard or thermocol sheet. (An example is given below.) Write a short slogan about 'Protecting Our Planet Earth' on your landscape. Write the same slogan in the space below.

Slogan:



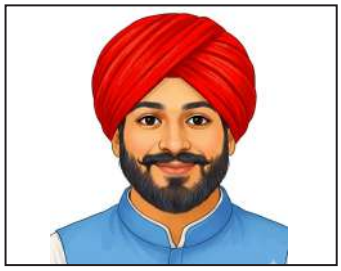
India's Diverse Nature

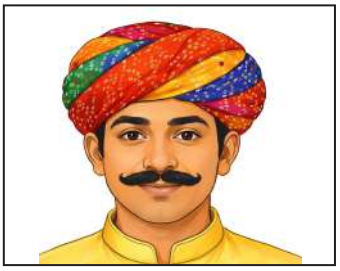
Skill - Observation | Values - Self-awareness

India is a land where people, languages, dances and nature come together to create many colourful stories. The pictures below show traditional headgear and dance forms from four Indian states. Match the headgear and dance forms from the same state.







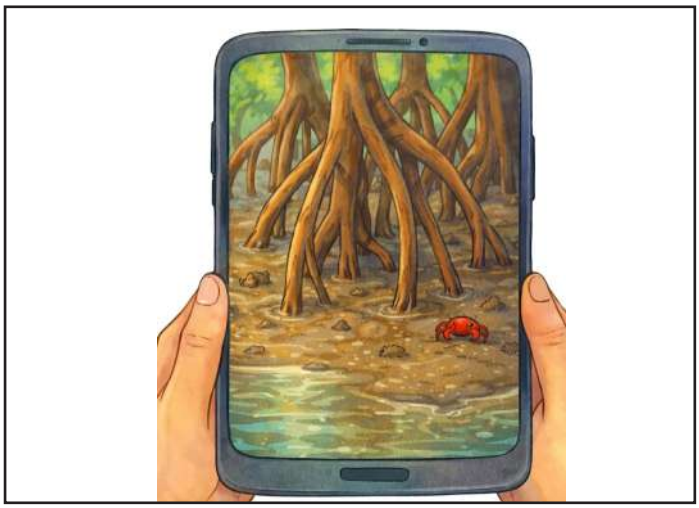

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Let's Share

Share with the class the traditional art form (dance, music, embroidery, etc.) you would like to learn and why.

Nature Shapes Our Lives **Skill - Critical Thinking | Values - Thoughtfulness**

Fatima is travelling with her family to visit different parts of India. During the trip, they take photographs of the places they visit.





❖ Look at the above photographs and guess which place Fatima visited.

_____

❖ What clues helped you identify the place?

_____

_____

❖ Name a special plant, tree or animal found in a specific place in India. Why do you find it special?

_____

_____

_____

❖ Every year, the number of certain plants and animals gets smaller. If we aren't careful, these plants and animals can disappear from Earth forever. What can we do to save them?

_____

_____

_____

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On her way home, Fatima stayed at her uncle's house. She noticed that the houses there looked very different from her own. They were built from bamboo, wood, and thatch, and stood on raised bamboo stilts. Nearby, she saw rolling green hills and large tea gardens. Her father explained that houses are built differently in different places, depending on the climate, the materials available and the surroundings.

❖ Based on the above information, where do you think Fatima's uncle's house is? How do such houses help people living in that region?

_____

_____

_____

❖ Have you ever seen a house that looks different from the ones in your neighbourhood? Draw its picture in the box below.

❖ Why do you think such houses are built that way?

_____

_____

_____

Fatima noticed that in her uncles' village she had to walk long distances because there were very few buses or cars. This is a common challenge in rural areas.

❖ Write down two other problems of rural areas and how they can be solved.

_____

_____

_____

_____

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Let all circumstances,
all happenings in life be occasions,
constantly renewed,
for learning more and ever more.

~The Mother~



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

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