



GOVERNMENT OF KARNATAKA

ENVIRONMENTAL STUDIES

TEXT CUM WORK BOOK

(REVISED)

ENGLISH MEDIUM

(BILINGUAL - ENGLISH AND URDU)

2

SECOND STANDARD

(FOR ENGLISH MEDIUM SECTIONS IN URDU MEDIUM SCHOOLS)

PART-2

حصہ دوم

KARNATAKA TEXTBOOK SOCIETY(R.)

6th Cross, Melleshwaram, Bengaluru - 560 003.



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LESSON - 6 OUR FOOD

Activity- 1

Sing and enjoy

Foods are of different kinds,
Helps you grow your body and mind.
Bananas, oranges, apples and pears,
Many-many fruits out there.
Wheat and rice may not be yummy,
But they help fill your tummy.
Vegetables mean peas and beans,
Carrots, tomatoes and all the greens.
Do not forget the milk and egg,
That makes you grow tall and big.

1. Do we need food?

1. کیا ہمیں غذا کی ضرورت ہے؟

2. What will happen if we do not eat food?

2. اگر ہم غذا نہ کھائیں تو کیا ہوگا؟

3. Underline all the food items in this song that you eat. Now say them aloud in class.

3. اس گیت میں آنے والی ساری غذاؤں کے نام لکھئے۔ اور آواز بلند ان کے نام کہیں۔

Note to teacher : Sing the song using your own tune and actions. Help children read aloud the names of different food items in the rhyme.

Activity-2
Look at the pictures.

ان تصویروں کو دیکھئے۔

		
Rice	Maize	Jowar
		
Dal	Beetroot	Bitter gourd
		
Mango	Apple	Cucumber
		
Radish	Cabbage	Fish

 Meat	 Milk	 Eggs
---	---	---

1. Do you know the names of the given food items?

1. کیا تم ان غذائی اشیاء کے نام جانتے ہو؟

2. Where do we get the given food items from?

2. یہاں پر دئے گئے غذائی اشیاء ہمیں کہاں سے حاصل ہوتے ہیں؟

3. Which of the given food items have you eaten before?

3. یہاں پر دئے گئے غذائی اشیاء میں سے کون کونسی چیزیں تم کھائے ہو؟

4. Can you identify the fruits from the pictures?

4. ان تصویروں سے، کیا تم پھلوں کو پہچان سکو گے؟

5. Name the vegetables and grains from the pictures.

5. ان تصویروں میں دئے گئے ترکاریوں اور اناج کے نام بتاؤ۔

Note to teacher : Encourage the children to use English names of the food items. Explain about the different sources of food obtained from plants and animals. Discuss the various food habits of diverse children and how to be sensitive towards different food habits.

Activity-3

Some pictures of food items are given here. Put a dot in green colour for the food we get from plants. Put a dot in red colour for the food we get from animals.

یہاں چند غذائی اشیاء کی تصویریں دی گئی ہیں۔ ان میں سے جو چیزیں ہمیں پودوں سے حاصل ہوتی ہیں، انہیں سبز رنگ سے نقطہ بنائیں اور جو جانوروں سے حاصل ہوتی ہیں، انہیں لال رنگ سے نقطہ بنائیں۔

		
Rice	Fish	Brinjal
		
Pea	Milk	Black pepper
		
Lady's finger	Meat	Chilly

		
Curds	Cucumber	Spinach
		
Tea	Maize	Ragi

Activity-4

Write the food items you use at home in the following groups.

اپنے گھر میں استعمال ہونے والی اشیاء کو نیچے دئے گئے گروہوں میں لکھئے۔

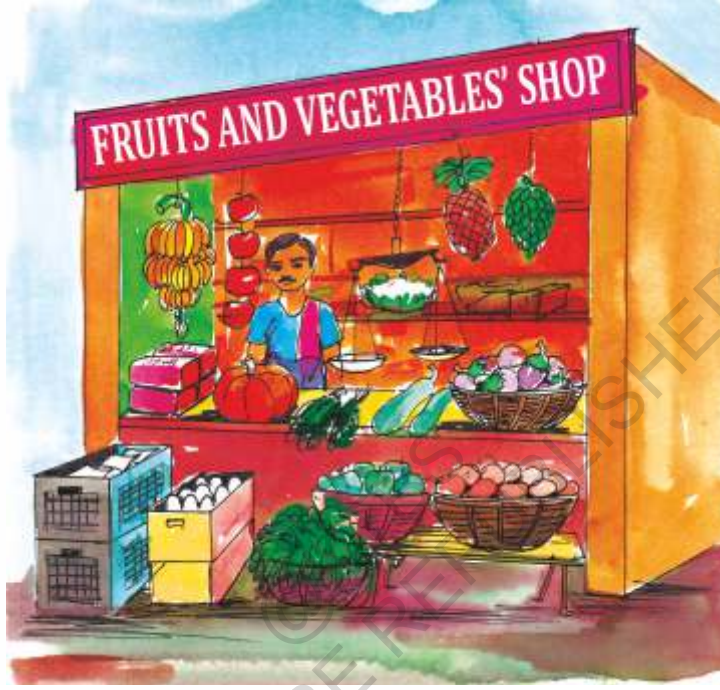
**Food items
obtained from Plants**

**Food items
obtained from Animals**

Activity-5

Look at the picture.

یہ تصویر دیکھیں۔



1. Name the food items you see in the picture.

1. تصویر میں دکھائے گئے کھانے کی اشیاء کے نام لکھو۔

2. Which are the food items in the picture that can be eaten raw?

2. تصویر میں دکھائی گئی کون کونسی چیزیں کچی کھائی جاسکتی ہیں؟

3. Which are the food items in the picture that need to be cooked before eating?

3. تصویر میں دکھائی گئی کن کن چیزوں کو پکا کر کھانا چاہیئے؟

Note to teacher : Encourage the children to identify the food items from the picture. Accept answers in Urdu also. Ask for more food items that needs to be cooked or can be eaten raw.

Activity-6

Look at the picture below.

نیچے دی گئی تصویر دیکھو۔



1. What is the father doing?

1. والد کیا کر رہے ہیں؟

2. Does your father help your mother in the kitchen?

2. کیا تمہارے والد، تمہاری والدہ کو باورچی خانہ میں مدد کرتے ہیں؟

3. Does your grandfather or grandmother take care of your brother or sister ?

3. کیا تمہارے دادا، دادی تمہاری بھائی یا بہن کی دیکھ بھال کرتے ہیں؟

4. What kind of kitchen is there in your house?

4. تمہارے گھر کا باورچی خانہ کس طرح کا ہے؟

5. How is your kitchen different from the one in the picture?

5. تمہارے گھر کا باورچی خانہ، تصویر میں دکھائے گئے باورچی خانے سے کس طرح الگ ہے؟

Note to teacher : Ask more questions about the picture like-what is the mother, grandmother, grandfather, brother or sister doing? Let children talk about how and why kitchens are different across different households. Discuss about respect, love and co-operation towards one another.

Activity-7

Look at the pictures given. Name the vessels in the picture.

دی گئی تصویریں دیکھئے۔ تصویر میں دئے گئے برتنوں کے نام لکھئے۔





1. Which are the vessels that you can see in your kitchen?

1. تمہارے باورچی خانہ میں نظر آنے والے برتن کون کونسے ہیں؟

2. Have you seen any more vessels other than these?

2. کیا تم ان کے علاوہ دوسرے برتن بھی دیکھے ہو؟

3. What are these vessels used for?

3. یہ برتن کس لئے استعمال کئے جاتے ہیں؟

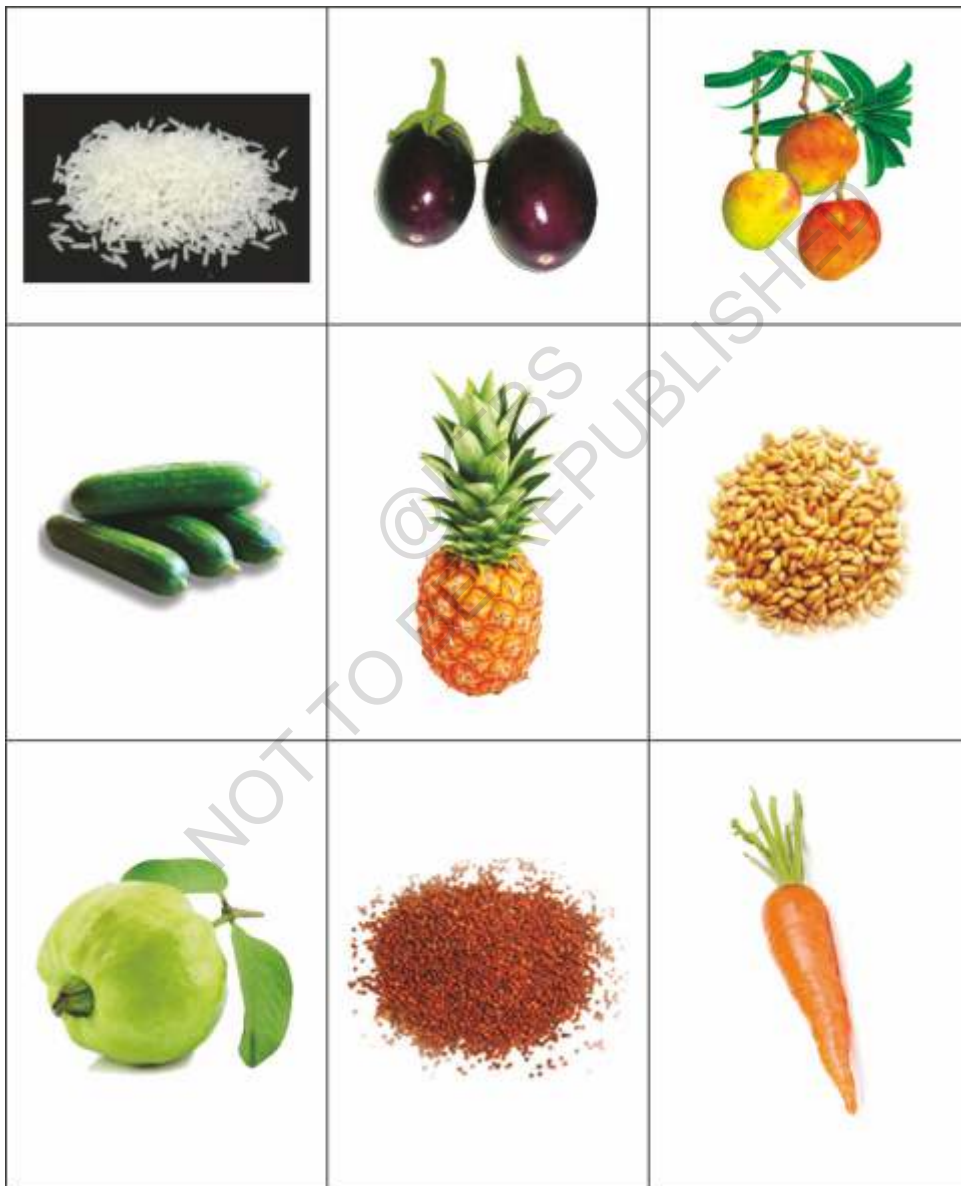
4. Which vessels are used for cooking?

4. پکانے کے لئے کونسے برتن استعمال کئے جاتے ہیں؟

Note to teacher: Accept answers in Urdu. Discuss about the functions of different vessels.

Worksheet-1

Look at the pictures below. Make a circle (○) around the grains, make a square (□) around the vegetables and make a triangle (△) around the fruits.



Worksheet-2

Fill up the blanks. Choose the right answer from the words in brackets. One is done for you.

Banana is a fruit. (fruit, vegetable)

1. We get eggs from_____. (hen, cow)
2. Cow gives us_____. (milk, eggs)
3. Water-melon is a_____. (fruit, vegetable)
4. Wheat is a_____. (grain, fruit)
5. Goat gives us_____. (eggs, meat)

Note to teacher : Read the sentences for the children and let the children choose the answer and write it down.

Worksheet-3

Draw a monkey eating bananas. Name the monkey.

Activity-4

Identify these vessels names in the box below. One is done for you.

(GLASS, MUG, JUG, BOWL, COOKER, PAN, SPOON, PLATE)

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

Let's Play !

- ▶ Prepare flash cards each with words - Rice, Maize, Banana, Apple, Radish, Tomato, papaya or any other names of vegetables, grains and fruits.
- ▶ Assign one card to each child. Ask them to sit in a circle.
- ▶ When the teacher calls out 'GRAINS', the children carrying the names of grains should come together in one corner of the room. The teacher will check the cards.
- ▶ When the teacher again calls out 'FRUITS', the children carrying names of fruits should come together in one corner of the room. Similarly, teacher calls out 'VEGETABLES'.
- ▶ Teacher repeats the game assigning different cards to different children.
- ▶ Help children read the names in the flash cards.





LESSON - 7

WATER FOR LIFE

Activity-1

Look at this picture. Raju is bringing drinking water from the tap.

یہ تصویر دیکھئے۔ راجوئل سے پینے کا پانی لا رہا ہے۔



Now tell me,

1. Where do you get water from in your house?

1. تم اپنے گھر میں پانی کہاں سے لاتے ہو؟

2. What are the other uses of water?

2. پانی کے دیگر استعمالات کیا ہیں؟

Note to teacher : Encourage the children to talk more about where water comes from. Make them sit in pairs or groups and draw the uses of water in a chart paper.

Activity-2

A. Water sources are given in the following boxes. If you have seen the source, put a (✓) mark in the box SEEN. If you are using water from the given source for your household, put a (✓) mark in the box USE.

A. نیچے چوکور میں پانی کے ذرائع دئے گئے ہیں۔ اگر تم وہ ذریعہ دیکھے ہوئے ہوں تو SEEN ڈبہ میں (✓) کا نشان لگائیں۔ اگر تم اس ذریعہ سے پانی استعمال کر رہے ہوں تو USE ڈبہ میں (✓) کا نشان لگائیں۔

SOURCES OF WATER	SEEN	USE
		
		
		
		

SOURCES OF WATER	SEEN	USE
		
		
		

B. Write four sources of water in your locality/ place/ town.

تمہارے محلہ/جگہ/شہر کے پانی کے چار ذرائع بتائیے۔

_____	_____
_____	_____

Note to teacher : Accept answers in Urdu and repeat them in English. Help the children to write the sources of water in English.

Activity-3

Stand in a circle. You will listen to some statements. if you think the statement is correct, then jump inside the circle. If you think the statement is wrong jump outside the circle. Teacher reads the statements one by one.

دائرے میں کھڑے ہو جائیں۔ تم چند جملے سُنو گے۔ اگر تم سمجھتے ہو کہ وہ جملہ صحیح ہے، تو دائرے کے اندر کود جائیں۔ اگر تم سمجھتے ہو کہ وہ جملہ غلط ہے تو دائرے کے باہر کود جائیں۔ استاد ایک کے بعد ایک جملے پڑھتے جائیں۔



1. Jenny has left the tap open and gone outside the bathroom.

1. جینی نے نل کھلا چھوڑ کر حمام سے باہر چلی گئی۔

2. Geeta used a bucket of water and a mug to wash her car.

2. گیتا نے اپنی کار دھونے کے لئے ایک بالٹی پانی اور ایک پیالے کا استعمال کیا۔

3. Raju used a bucket of water to brush his teeth.

3. راجو اپنے دانت برش کرنے کے لئے ایک بالٹی پانی استعمال کیا۔

4. Rahim washed the vegetables in water and used the same to water the plants.

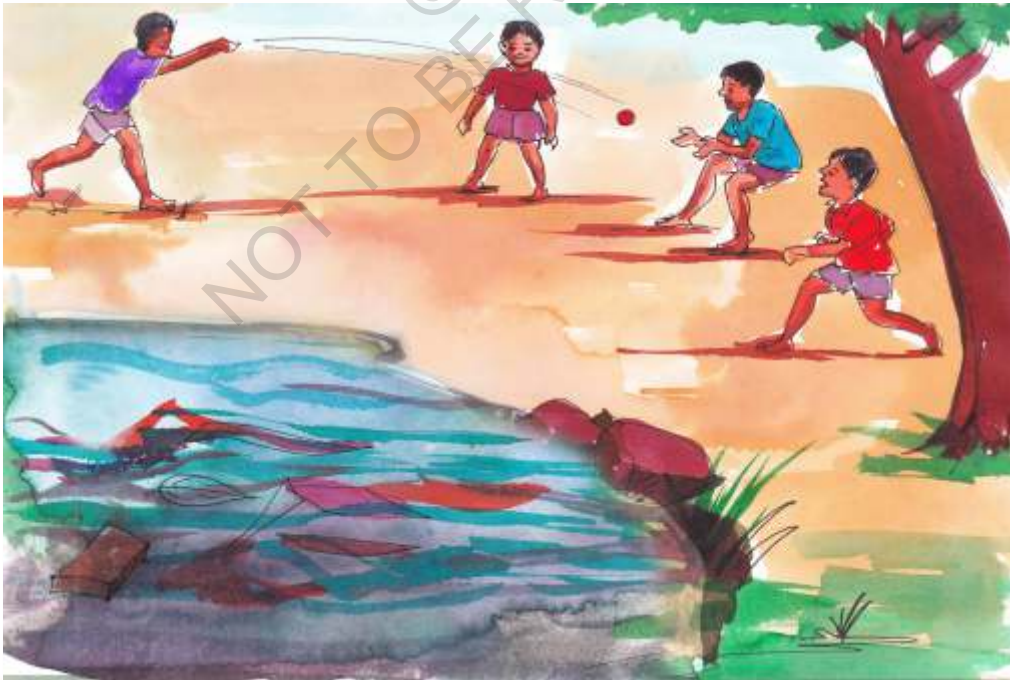
4. رحیم نے پانی میں ترکاریاں دھویا اور اُسی پانی کو پودوں کو پانی دیا۔

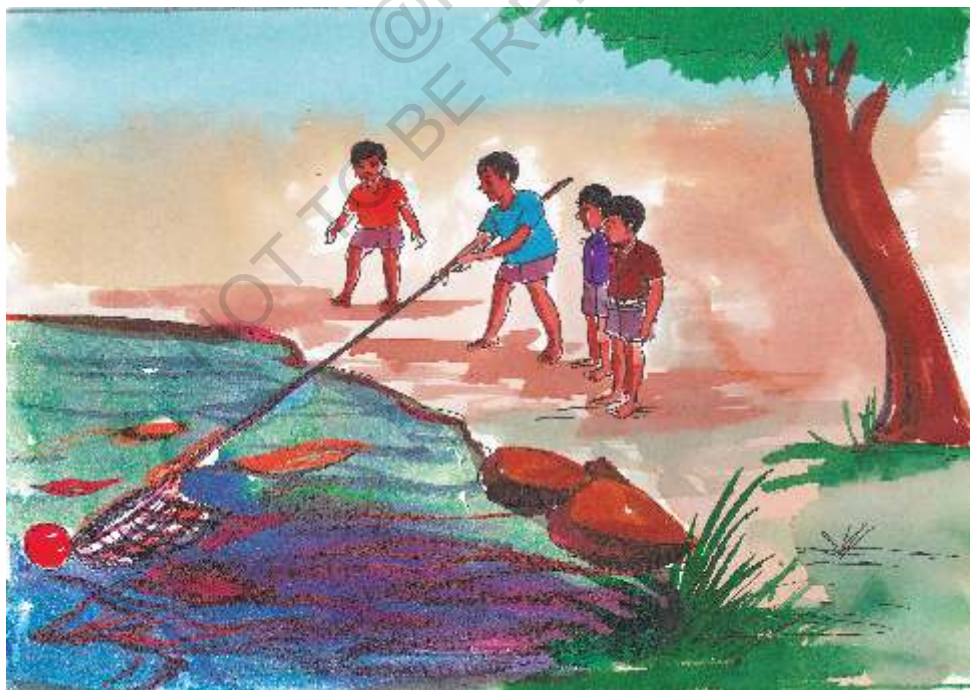
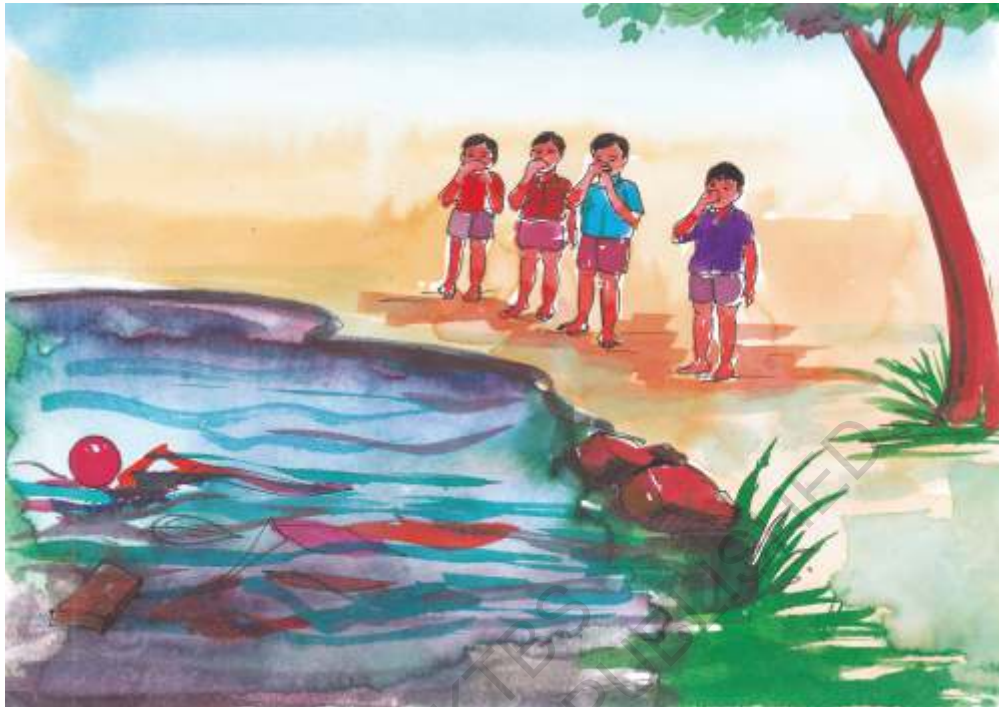
Note to teacher : Encourage children to discuss the importance of water using the game. Give more examples/statements on how to save water and why is it necessary to save water. Continue the game with more statements. Discuss each statement after the game.

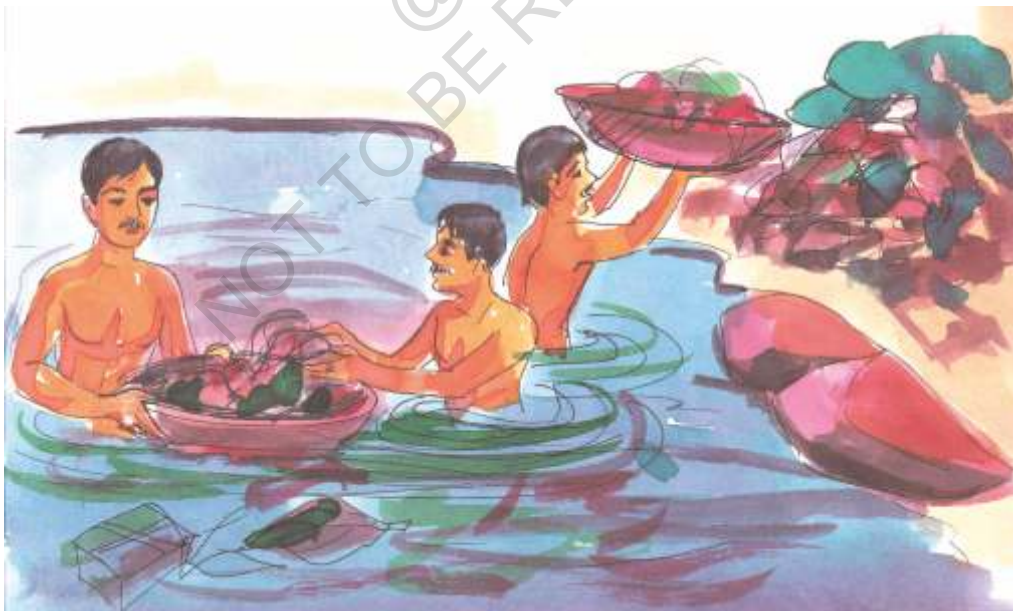
Activity-4

Look at these pictures and tell a story.

ان تصاویر کو دیکھئے اور ایک کہانی کہئے۔









Note to teacher : Encourage the children to create and tell stories based on these pictures in their own words. Give them enough opportunities to express their ideas. While the children narrate their stories, ask questions like-Why is the pond smelling? Why did the fish die? etc. Explain the issue of water pollution with several other examples.

Worksheet-1

Look at the pictures below. Vanaja is using water for different purposes. There is an order in Vanaja's work. Rearrange the work in the correct order by writing the numbers in the boxes given.

Worksheet-2

Draw a water source and colour it. Write the name below it.

@KTBS
NOT TO BE REPUBLISHED

This is a

Worksheet-3

Look at the activities in the pictures below.
Write the name of the activity in the space given.











Worksheet-4

Collect pictures from newspaper, charts, posters and paste them under the correct heading.

SAVE WATER !

@KTBS
NOT TO BE REPUBLISHED

WATER POLLUTION

@KTBS
NOT TO BE REPUBLISHED





LESSON - 8

LET US MOVE AROUND

Activity-1

Sing and enjoy

The wheels of the bus go on the road
On the road, On the road
The wheels of the bus go on the road
All through the town.



The wheels of the train go on the rails
On the rails, On the rails
The wheels of the train go on the rails
All through the fields.

The wings of the plane fly up in the air
Up in the air, Up in the air
The wings of the plane fly up in the air
All through the sky.



The oars of the boat row on the water
On the water, On the water
The oars of the boat row on the water
All through the stream.

Note to teacher : Sing the rhyme using your own tune and actions.

Activity-2

1. How do you come to school?

1. تم اسکول کو کیسے آتے ہو؟

2. How do you go to other places?

2. تم دوسری جگہوں کو کیسے جاتے ہو؟

Things that carry people and goods from one place to another are called **vehicles**.

Write the names of the vehicles you have seen.

تمہاری دیکھی ہوئی سواریوں کے نام لکھئے۔

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Activity-3

A. Kenchappa and Bheemakka were very happy. They gave bath to the bulls Bhaira and Kaala. Kenchappa painted the horns of Bhaira and Kaala. Bheemakka tied ribbons on their horns. They also tied bells around their necks. They tied the bulls to the cart and got ready to visit jatra with their children.

کیچپا اور بھیمکا بہت خوش تھے۔ انہوں نے بھیرا اور کالا بیلوں کو نہلایا۔ کیچپا نے بھیرا اور کالا کے سینگ رنگے۔ بھیمکا نے ان کی سینگوں کو رب بن باندھا۔ انہوں نے ان کے گلے میں گھٹی بھی باندھی۔ انہوں نے بیلوں کو گاڑی سے باندھا اور بچوں کے ساتھ میلے میں جانے کے لئے تیار ہو گئے۔



1. Have you seen bullock cart?

1. کیا تم نے بیل گاڑی دیکھا ہے؟

2. Did you ever ride a bullock cart?

2. کیا تم نے کبھی بیل گاڑی میں سواری کی ہے؟

3. If yes, where did you go? How did you feel?

3. اگر ہاں، تو کہاں گئے تھے؟ تمہیں کیسے محسوس ہوا؟

A. Ayesha's aunt stays close to her house. She uses her bicycle whenever she wants to go to her aunt's house with her brother Ahmed.

عائشہ کی خالہ اُن کے گھر کے قریب رہتی تھی۔ وہ جب بھی اپنے بھائی احمد کے ساتھ، اپنی خالہ کے ہاں جانا ہو تو اپنی بائسیکل استعمال کرتی ہے۔



1. Have you ever taken a bicycle ride?

1. کیا کبھی تم نے بائسیکل کی سواری کی ہے؟

2. Did you enjoy the ride?

2. کیا تمہیں بائسیکل سواری میں لطف آیا ہے؟

3. Do you have place to ride a bicycle near your house?

3. کیا تمہارے گھر کے قریب بائسیکل چلانے کے لئے جگہ ہے؟

C. Look at the picture and name the vehicle.

تصویر دیکھئے اور سواری کا نام بتائیے۔



1. Have you ever seen such a bus?

1. کیا تم نے کبھی ایسی بس دیکھا ہے؟

2. Have you ever travelled in the bus? Where have you travelled to?

2. کیا کبھی تم نے بس میں سفر کیا ہے؟ کوئی جگہ سفر کئے ہو؟

3. With whom did you travel?

3. تم نے کس کے ساتھ سفر کیا ہے؟

Note to teacher : Discuss more about the local modes of transport like bullock carts, horse carts, cycle rickshaws, bicycle etc.

Worksheet-1

Put a (✓) mark against the vehicle you have travelled in.

Worksheet-2

Read the name of vehicles given below. Some move slow and some move fast. Put a (✓) mark against the vehicle in the correct column.

Name of the vehicle	Moves slow	Moves fast
Cycle		
Bullock Cart		
Bus		
Train		
Aeroplane		
Lorry		
Horse cart		
Motor bike		
Auto Rickshaw		
Boat		

Worksheet-3

A.



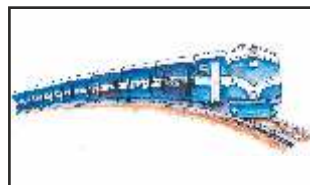
Rahim's home town is in Karwar. His grandfather's house is in Udupi. In which of the following vehicles should Rahim travel to reach his grandfather's home early? Put a (✓) mark against that vehicle.

☐☐

B.



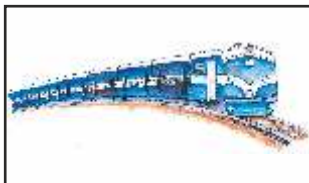
Which vehicle is better for Harini to travel in, to go to her grandmother's house from Shivamogga to Tumakuru? Put a (✓) mark against the correct vehicle.

☐☐

C.



Ruksana's house is on one side of the river and her school is on the other side of the river. Put a (✓) mark against the vehicle used by Ruksana to go to her school.

☐☐

Worksheet-4

Look at the picture below.



Write any three vehicles that are shown moving on land.

1. _____

2. _____

3. _____

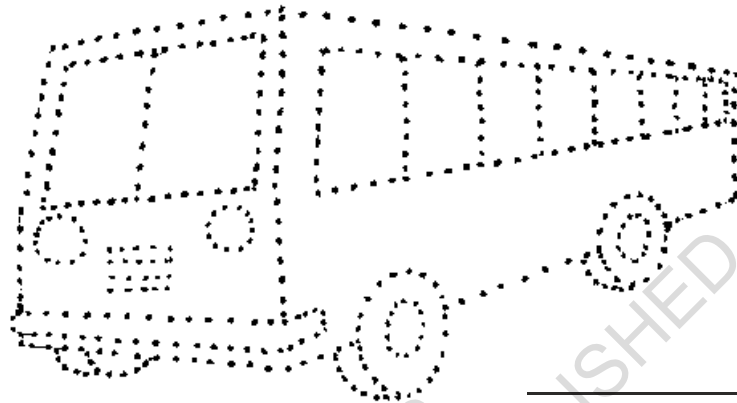
Write the name of the vehicle that you see flying in the air.

Write the name of the vehicle you see in the water.

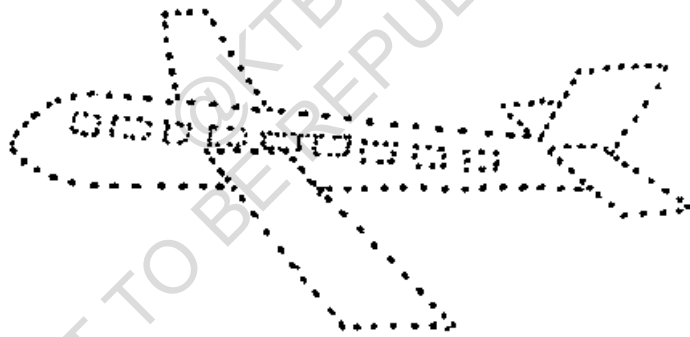
Worksheet-5

Join the dots and colour the picture. Write the name of the vehicle.

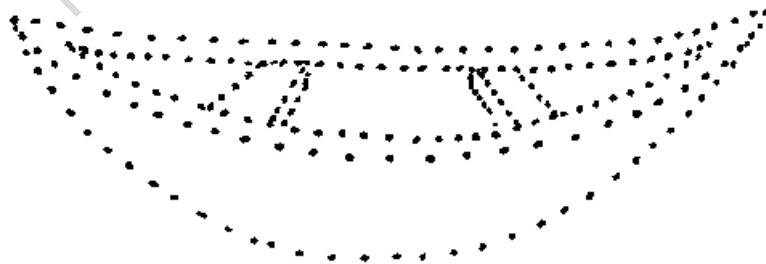
A.



B.

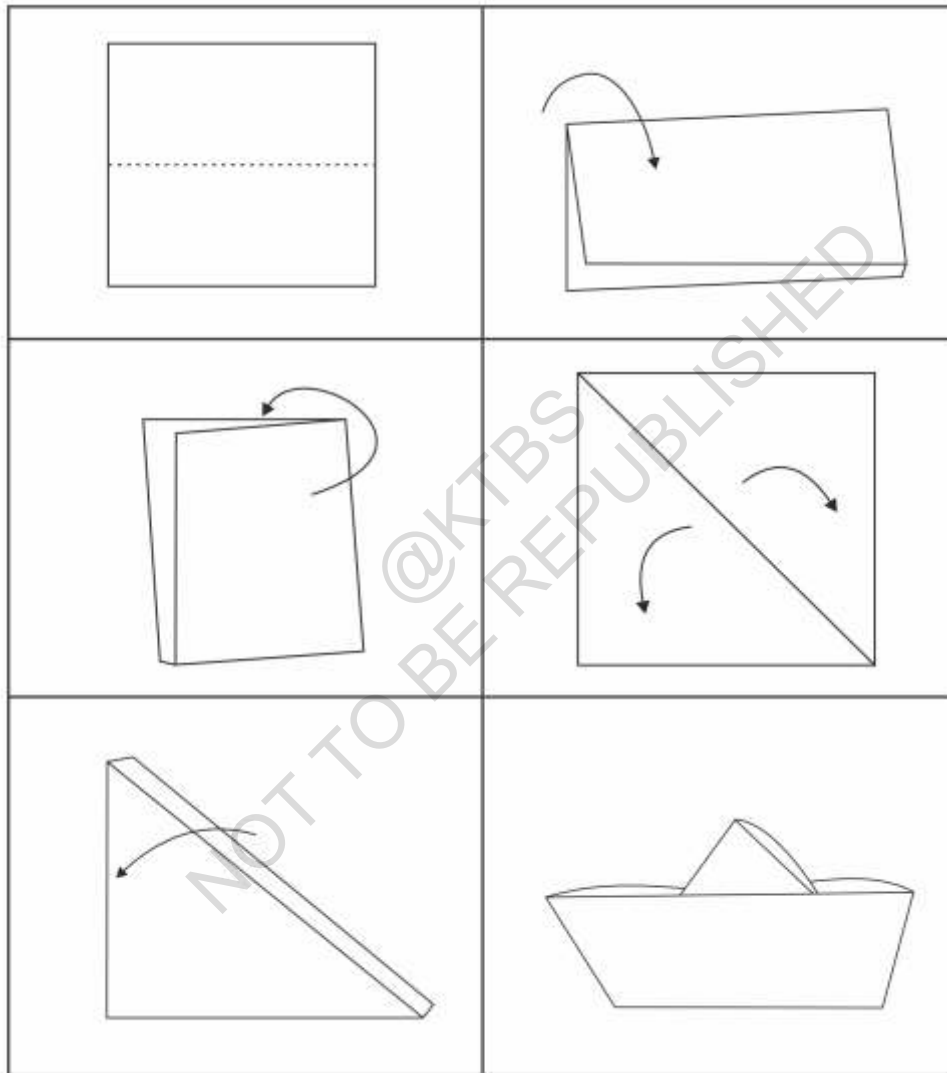


C.



Let's Play !

Make a paper-boat and sail it in water.





A3M4P6

LESSON - 9

HELPING HANDS AROUND US

• What did you see on your way to school?

Activity-1

Look at the picture below.

نیچے دی گئی تصویر دیکھئے۔



1. Have you seen these places?

1. کیا تم نے یہ ساری جگہیں دیکھی ہیں؟

2. Name these places?

2. ان جگہوں کے نام بتاؤ؟

3. Why do we need these places?

3. ہمیں ان جگہوں کی ضرورت کیوں ہے؟

Note to teacher : Ask the children about each one of the places in the picture, their need and uses in their lives. Explain the other uses of the places in the picture.

Activity-2

Guess me !

I teach in school
I work with children

Who am I ?

I work in the hospital
I treat patients

Who am I ?

I give tickets in the bus
I provide seats to people

Who am I ?

I work in the post office
I bring letters to people

Who am I ?

Activity-3

Look at the pictures below.

نیچے دئے گئے تصاویر دیکھئے۔

 I go to school to learn.	
 I go to the market to bring vegetables.	
 I have got cold. I will go to the hospital and bring medicine.	
 To go to my hometown, I need to go to the bus station.	

Note to teacher : Explain the services these places provide to people. Talk about other public places like post office, public toilets, police station etc.

Activity-4

What do we do in the following situations?

نیچے دئے گئے موقعوں پر ہم کیا کرتے ہیں؟



Note to teacher : Allow children to express the feelings in Urdu. Discuss about being respectful towards all public properties and its safe usage.

Worksheet-1

Match the work of the person with the place by drawing lines. One is done for you.

Worksheet-2

Look at the picture. Write the names of the places below.



Worksheet-3

Answer each of the following in a sentence.

1. Name the place where the buses stop.

2. What can we do to make the school look clean?

3. Where do we get the letters from?

4. Where do we go to buy vegetables?

Worksheet-4

Draw any 3 public places that you see in your village/town. Colour them.

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Let's play !

Fancy Dress

Dress as a post man, driver, doctor or a teacher





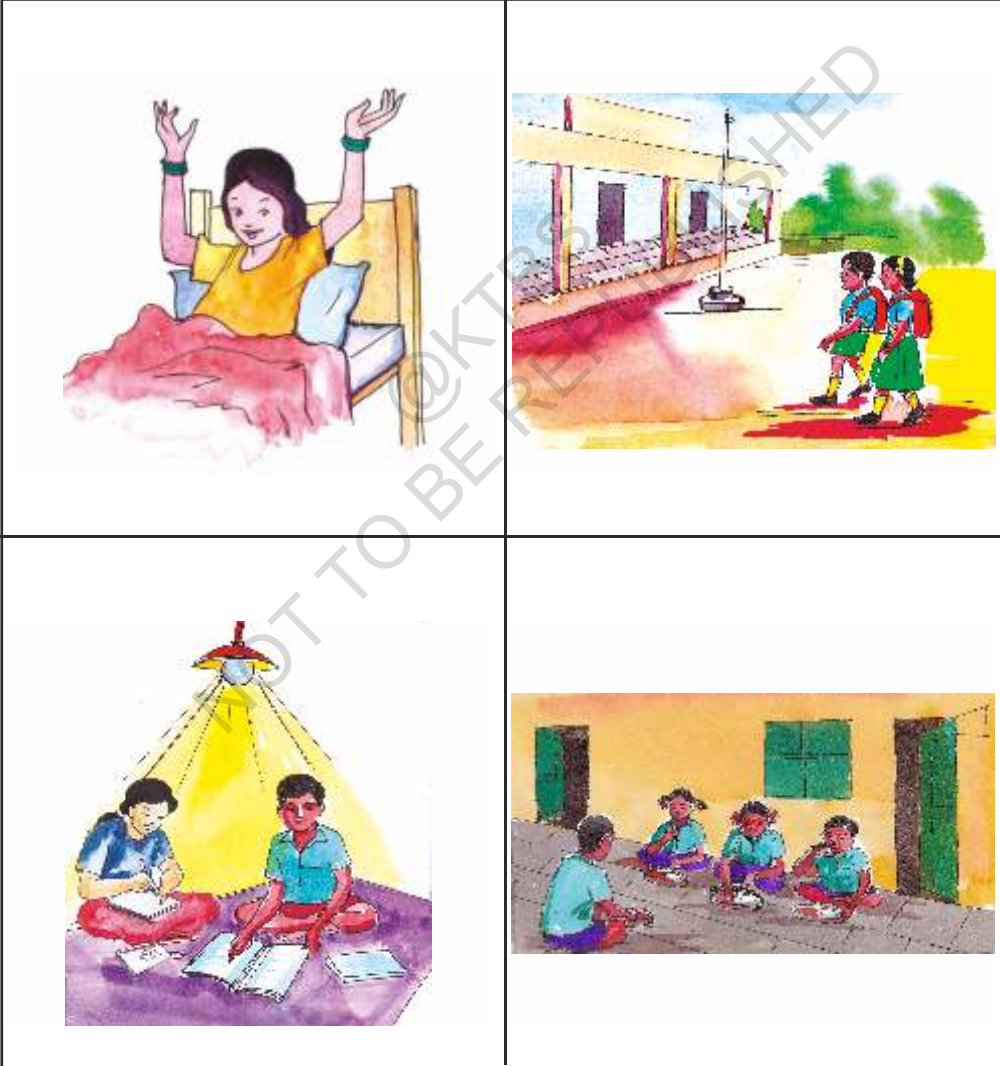
LESSON - 10

THE BEAUTIFUL SKY

Activity-1

Look at the pictures given.

دی گئی تصویر دیکھئے۔





1. What are the children doing in the pictures?

1. تصویر میں بچے کیا کر رہے ہیں؟

2. When do you wake up?

2. تم کتنے بجے جاگتے ہو؟

3. When do you have lunch?

3. تم دوپہر کا کھانا کتنے بجے کھاتے ہو؟

4. When do you play?

4. تم کب کھیلتے ہو؟

5. When do you sleep?

5. تم کب سوتے ہو؟

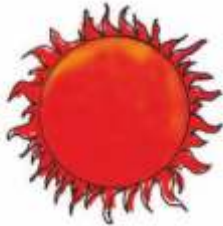
6. What else do you do during morning/night?

6. تم صبح/رات میں اور کیا کرتے ہو؟

Note to teacher : Elicit answers from children about activities done at different times in a day. Explain the difference between day and night with reference to sun's visibility.

Activity-2

Guess me !

I am a three letter word I give you heat and light I come during the day. Who am I ?	
	I am cooler than the sun Sometimes I am round Sometimes I am half. Who am I ?
I am a four letter word I twinkle at night I am found in groups. Who am I ?	
	Sun, Moon and stars are seen in me I am blue in colour Clouds float across me. Who am I ?

Note to teacher : Discuss the festivals and celebrations related to Sun and the Moon.

Worksheet-1

Look at the moon in the sky for 15 days. Draw them in the boxes below.

Day - 1	Day - 2	Day - 3
Day - 4	Day - 5	Day - 6
Day - 7	Day - 8	Day - 9
Day - 10	Day - 11	Day - 12
Day - 13	Day - 14	Day - 15

Note to teacher : Ask the children to look at the moon every night for 15 days. Let the children observe the shapes of the moon and draw them in the boxes. Help them understand the changing shape of the moon and the reasons behind it.

Worksheet-2

Look at the pictures below. Use the words below to fill up the boxes given in the pictures. One is done for you.

Day	Birds	Sun	Night
Moon	Cloud	Hill	Owl



Note to teacher : Help the children to fill in the boxes. Narrate a short story or a folk story on the sun, moon or the stars.

Worksheet-3

Look at the pictures below. When do these activities happen? Put a (✓) mark against the correct column for the activities.

Activities	Day	Night
		
		
		
		

Activities	Day	Night
		
		

Worksheet-4

Write True or False against the given Statement.

1. Sun shines at night. _____

2. There are many stars in the sky. _____

3. You cannot see stars during night. _____

4. Moon shines at night. _____

Worksheet-5

Answer the following.

1. What does the sun give us?

2. What do you see in the sky during night?

3. What is the shape of the sun?

Worksheet-6

Complete the words by filling up the missing letters related to the Sun and Moon.

Sun	Moon										
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L		G		T							
S	L			P							

Worksheet-7

Draw the Sun, Moon, Stars, Clouds and colour them. Describe to your friends in class how are they different.

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