



# STANDARD ONE TERM - I

**VOLUME 2** 

# MATHEMATICS ENVIRONMENTAL SCIENCE

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**Department Of School Education** 

Untouchability is Inhuman and a Crime



#### **Government of Tamil Nadu**

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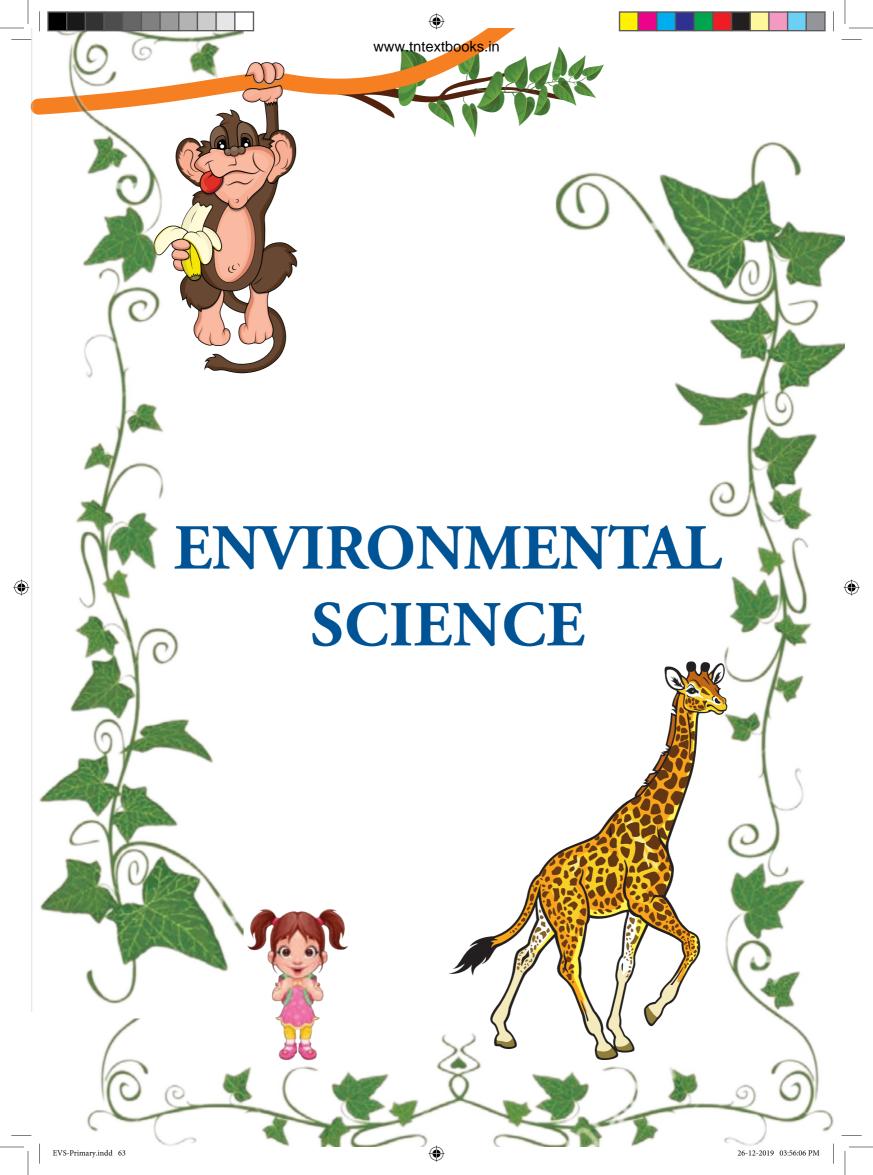
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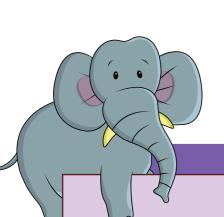


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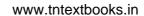






Evaluation





# UNIT

# Living and Non-living Things

#### Learning Objectives

The learner should be able to -

I am Harini.

I have a puppy.

I call him Jimmy.

I give him food to eat.

He eats it quickly.

I play with him.

He jumps on me.

I love him very much.



I have a doll.

I call my doll Ammu.

I try to feed it.

It does not eat or drink.

It moves only when I wind the key.

different will non-living and living

Understand the interaction between living

and non-living

I like my doll.



Harini wondered why her puppy ate food but her doll did not. Do you know why? Let us find out.





# Living things



Living things eat, grow, move and have young ones. They also breathe and feel.







I grow



I play

#### I am a living being

 $\infty$  Living things eat.









 $\circ$  Living things grow.



















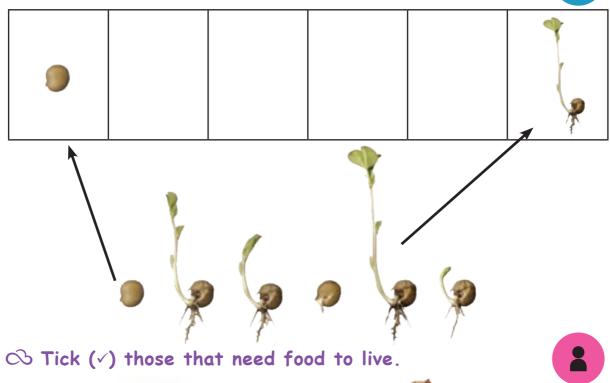
 $\bigcirc$  Plant a seed and watch it grow.





 $\circ$  Sequence the pictures.





































Horse

Lizard

Bird

Earth worm

THINK ZONE
A boat moves.
Is it living?

 $\bigcirc$  Living things have young ones.



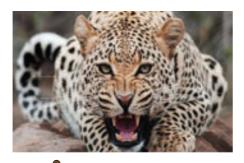




C Living things feel. Living things breathe.









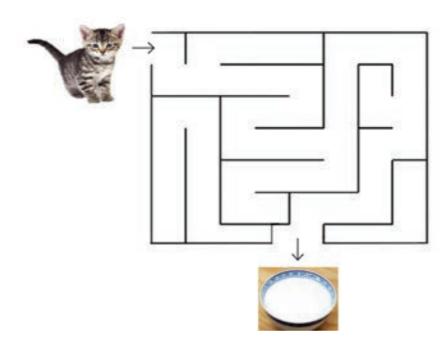




























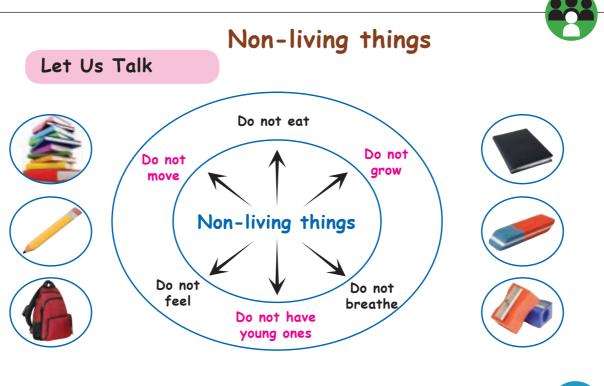






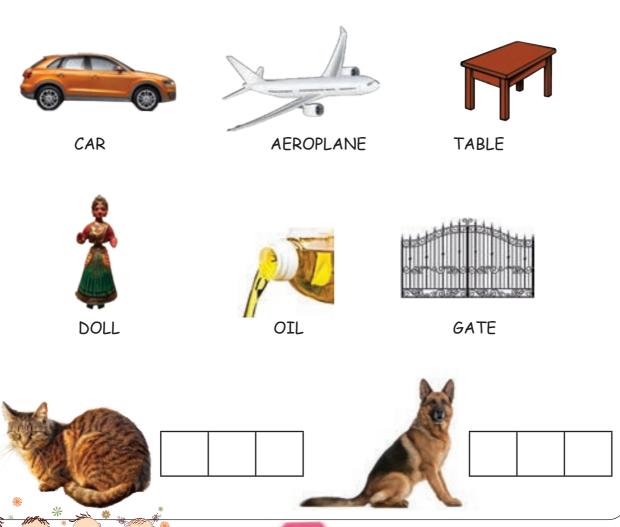






Coboling Look at the pictures. Use the first letters to get the words CAT and DOG.





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#### ○ Look at the picture.

Can you see a mountain, a river, a pond and a lake?

Mountains are made up of rocks and soil. The river, pond and lake are full of water. Soil and water help plants to grow. We get our food from plants. We breathe air. Air, water and soil are non-living things. Can we live without them?



### Vocabulary

air, water, soil, river, mountain, pond, lake, sea



#### Observe the picture of life in water.

This is the sea. There are so many living things in it!











Fly like an eagle in the sky.

Jump like a dolphin in the sea.





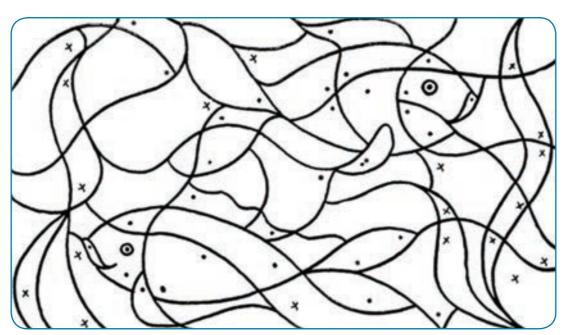
Crawl like a crab in the river sand.

Sky, sea and sand are non-living, where eagle, dolphin and crab are found.

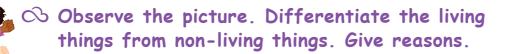


Colour the parts marked with a dot (.) yellow, the parts with a cross (x) green and the rest blue. What do you see?













# **Evaluation**

 $\bigcirc$  Tick ( $\checkmark$ ) the living things.





























#### $\bigcirc$ Is it living or non-living?

	What is this?	
M. Sala	Does it grow?	
	Does it breathe?	
	Does it move?	
3220	Does it have young ones?	
	What food does it eat?	
	What is this?	
AND STATE OF THE PARTY OF THE P	Does it grow?	
	Does it breathe?	
	Does it move from one place to another?	
Y	Does it have young ones?	
	What food does it need?	
	What is this?	
	Does it grow?	
	Does it breathe?	
	Does it move?	
	Does it have young ones?	
	Does it need food?	

# Self-Evaluation

 $\nearrow$  I can identify and differentiate living and non-living things.

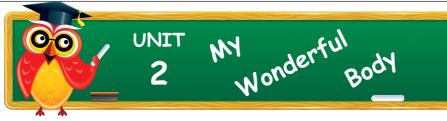
I can draw within a grid, connect the dots and colour.  $\precsim$ 



I can connect related pairs of things.







### Learning Objectives

The learner should be able to

- Name the external parts of the body
- > Identify the various senses
- > Maintain personal hygiene



#### Let Us Talk

We play, walk, run, hear, see, smell, taste and touch.

We can see some parts of our body but some others are within us, which we cannot see.

Some parts are in pairs. Can you name a few?

Let us learn names of some parts of our body with this rhyme.





#### Rhyme Time

Head, shoulders, knees and toes (2)

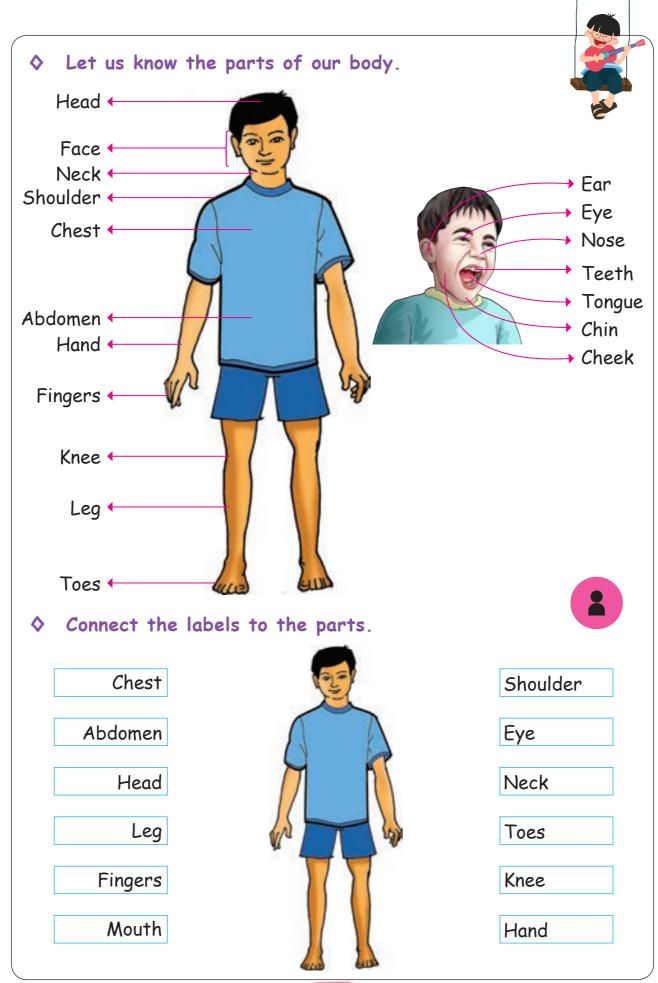
Knees and toes

Eyes and ears

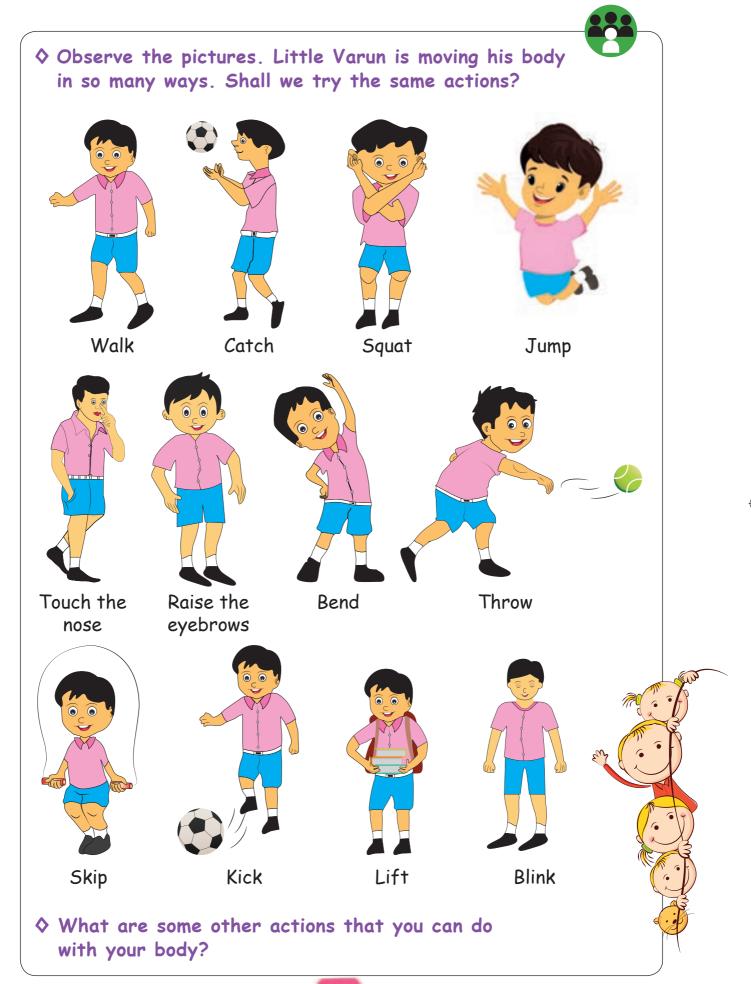
Mouth and nose

Head, shoulders, knees and toes

Eyes, ears, mouth and nose

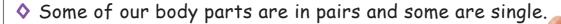






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- ♦ You can fold your arm and your fingers, wherever there are lines. Try it.
- We experience different feelings like happiness, sadness, fear and anger.
- We show these feelings with our facial expressions.

Try making these expressions.











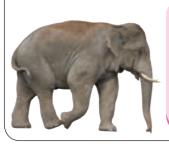
♦ Connect the paired parts to the number 2 and the single parts to the number 1.





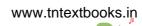
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♦ Draw the facial expressions.



The giraffe has a long neck and the elephant has a long trunk.





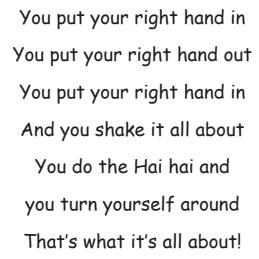
#### Rhyme Time

Right and Left

Let us sing this rhyme.

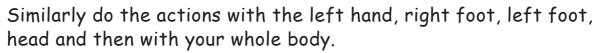




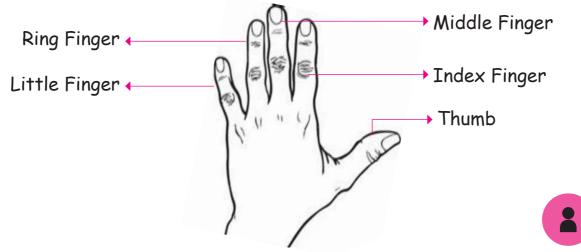




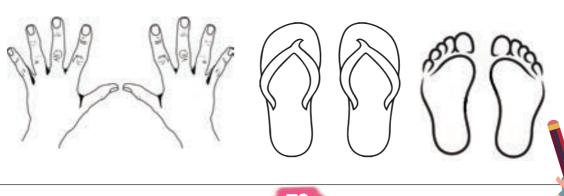




Each finger of your hand has a name. Do you know the names?



♦ Colour the pictures on the right side red and the left side blue.









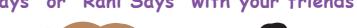


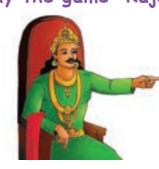
Ask your friend to put his/her thumbprint next to yours.

Do they look the same?









Touch your nose



My Senses

I hear many sounds with my ears. Some sounds are loud and some are soft.



The cawing of a crow



The ringing of a bell



The ticking of a clock



The sound of a moving train



The sound of a water drop



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What are the sounds you hear every day around you? Which sounds do you like?

♦ Let us play a game.

Blindfold yourself. Let your friends move around you while they make sounds of different animals. Identify the animal with the sound. Indicate the direction of the sound by pointing.



We see the world around us with our eyes. We see different shapes, sizes and colours.



♦ Observe the picture and discuss.





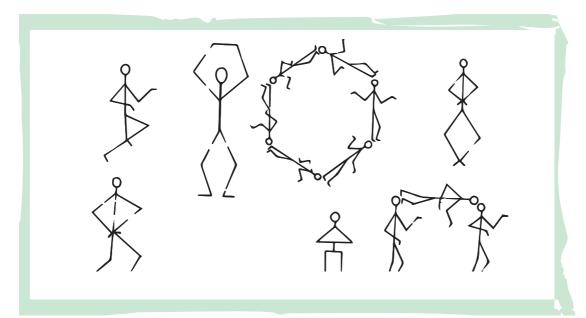






♦ Look at the shapes given below. Can we try the same shapes with our body?











Eagles, falcons and hawks can see small objects even from a great height.



We see and hear the world around us. We also use our senses of touch, smell and taste to know the world around us.

There are different kinds of tastes like sweet, sour, salty and bitter. Our tongue helps us to taste.

The lemon is sour, the mango is sweet and the bitter gourd is bitter.

What do you like to eat?











Our nose can sense different types of smell.

What are the smells you like? What are the smells you don't like?





♦ Go for a Nature Walk in your school campus.



Feel the plants and the soil.

Touch the flower. It is soft.

Touch the tree trunk. It is hard.

What are the things you like to touch?

♦ Blindfold your friend. Give your friend various things to smell, taste and feel and ask him/her to find out what they are.



A dog's sense of smell is 40 times greater than that of a human.









## Story Time





This is Mala 🦚 . She wakes up 🐸 in the morning. This is



cannot see the . is very small.





🎇 is waiting to get inside 🌇 body. 🎢















. 🌹 is clean and 隓





goes to the washroom



wash her hands with . is happy. the enters















🌹 stomach.









visits the 🎒 . The doctor tells







her hands with 🥯 before 🐫 and after using























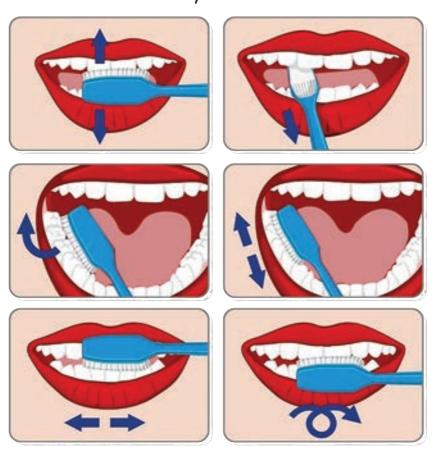


We should keep our hands clean. If we don't, we will fall sick like Mala. Let us learn how to wash our hands properly. Do it step by step.



We must brush our teeth twice a day, once in the morning and once at night. Let us learn the right way of brushing our teeth.

Practice all these routines daily.









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#### ♦ Healthy Washroom Routines

After using the toilet (wash room) wash yourself.









Pour water

Wipe your feet

Wash your hands with soap

Wipe your hands

### Daily Routines

♦ These pictures show our daily routine. Arrange them in sequence.



♦ Tick (✓) the things which help to keep you clean.







### **Evaluation**

- ♦ Observe the picture and draw a -
  - O near the kite
  - $\Rightarrow$  near the objects which produce sound
  - inear the objects with smell
  - $\triangle$  near the objects which are tasty
  - near the objects people touch











♦ Some activities keep us healthy and some don't.

Tick (✓) the activities that keep us healthy and cross (X) those that do not.



# Self-Evaluation

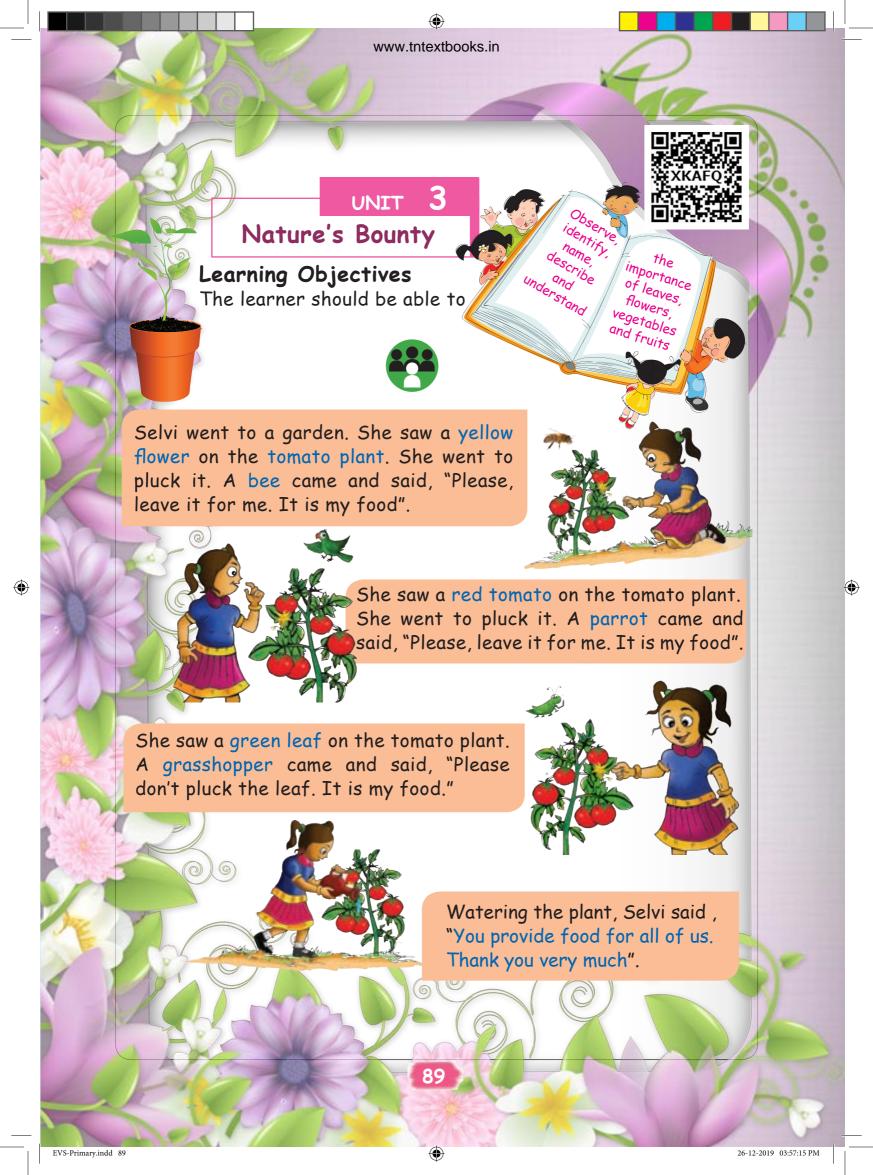
I can name the parts of my body.

I can do many actions with my body.

I practise good habits to keep me clean.

I know the names of my sense organs.









# Leaves

Let us go on a joyful journey into the world of plants.

#### Let Us Talk

Plants have different kinds of leaves. They are of various sizes, shapes, colours and textures. Talk about some leaves that you have seen around you.

Here are some helping words.

#### Vocabulary

light green, dark green, soft, smooth, rough, edge, sharp, rounded, dry, big, small, tip



Banana (Vazhai)



Mango (Maangai)



Drumstick (Murungai)



Neem (Veppa Ilai)



Coconut (Thennai)



Basil (Tulasi)



Mint (Pudhina)



Coriander (Kothamalli)



Curry leaves (Karuveppilai)



Compare the leaves. Use the words you have learnt.









Leaf Rubbing. Let us make a leaf pattern using crayons.











Bring one leaf to class. Observe the changes in the leaf over a week.

















6 Look at the pictures. These are some flowers that we see around us. Let us name them.



Fire Cracker (Kanakambaram)



Jasmine (Malligai)



Marigold (Samanthi)



Lotus (Tamarai)



Frangipani (Sampangi)



Rose (Roja)



Screw Pine (Thazhampoo)



Shoe Flower (Chembaruthi)



Hari Champa (Manoranjitham)

- Which flower do you like?
  Describe that flower.
- Here are some words to help you.

# Vocabulary

smell, petal, soft, smooth, rough, thorn, colour, red, pink, white, yellow



Some flowers have a pleasant smell.







Champaca (Shenbagam)

Jasmine

Rose

- We can keep flowers fresh as shown.
- Flowers have different kinds of petals.
  Observe the shapes of the petals.

























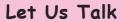
I went to the market
with my bag
To buy tomatoes
red and round
Potatoes big and brown
Green chillies
long and thin
Fat pumpkins
orange and green
Purple brinjals
big and small
And drumsticks
green and lengthy

My bag became heavy

I came back home

with my basket full

Everybody smiled!



We all eat vegetables.

They keep us healthy and strong.

Which vegetables do you like?

Can you describe them?

Here are some words to help you.

#### Vocabulary

smooth, rough, big, small, size, shape, colour, heavy, light, taste, watery, hard, round, long, brown, orange, green, red, purple



Observe how nicely the vegetables are arranged!
We see cabbages, tomatoes, cucumber, ridgegourd,
carrots and many more. Shall we identify them?

# A Vegetable Shop













Onion Ginger





Radish Beetroot



Garlic

C Look at the different varieties of brinjals given below.













Observe the vegetable man. Identify the vegetables he is made of. Describe them using the words you have learnt. Answer the questions.



Which vegetable is green and long?

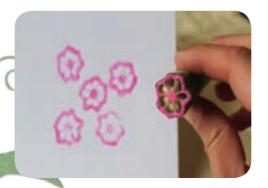
Which vegetable is orange in colour?

One group describes a vegetable and the other group names it.



You can play this game with your friends.





With Ladies Finger



With Capsicum



Using Carrot

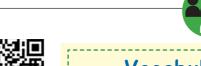


Using Lemon





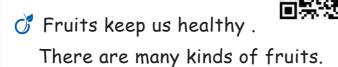
## **Fruits**

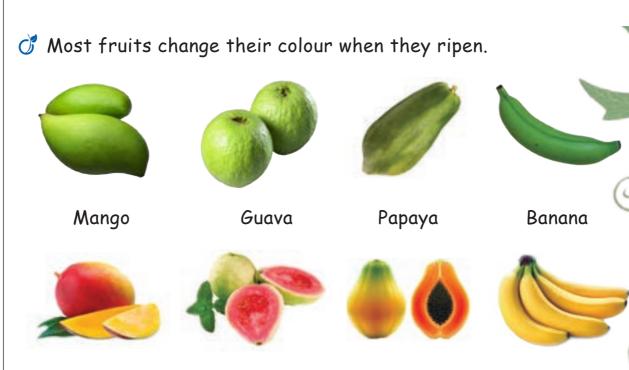




# Vocabulary

ripe, juicy, fleshy, small, big, sweet, sour, dry fruits





These are some fleshy fruits.



These are some juicy fruits.







Lemon



Watermelon



Orange











Jujuba (Elanthai)

**Some fruits are big.** 





Jackfruit

These are some fruits that are sour.





Gooseberry

Some fruits are sweet.







Banana

Custard apple

Sapota

These are some fruits that taste both sweet and sour.

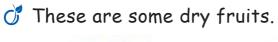


Grapes



Pineapple











Dates

Raisins

Figs









Match the fruits with their cut portions.



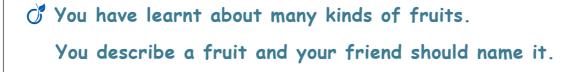


















- Fruits are grown in orchards.
- How do they reach our homes from there? Sequence the pictures in the right order by numbering them.



















## What does this picture show?

Always wash fruits and vegetables before you eat.

A	9	2	3	Q	4	В	Н
8	L	9	G	4	3	2	Ţ

**19W2NA** 



# **Evaluation**

1. Circle the big leaf.





2. Circle the vegetable which is orange in colour.





3. Circle the long vegetable.





4. Circle the juicy fruit.





5. Circle the sour fruit.





6. Look at the pictures. Which flowers have a pleasant smell? Tick (✓) them.















7. Match the following by drawing lines.

















# Self-Evaluation

I can name and describe some commonly found leaves, flowers, fruits and vegetables.





I know the importance of plants in my life.

I can draw, colour, make vegetable prints and floral designs.







Let Us Talk Observe the animals in the picture. Have you seen these animals? What are they doing?



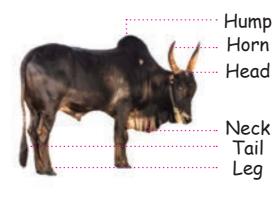
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## Let Us Talk

Observe the Kangeyam bull. Let us name it's parts.

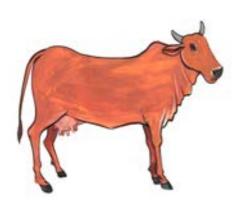


Vocabulary

small, big, head, eyes, nose, ears, mouth, teeth, tongue, horns, neck, colour (patches), hair/fur, tail, legs, hump

- ♦ Can you now describe the cow using the given words?
- ♦ Connect the labels with the parts.





Horn Tail
Head
Neck
Leg

 $\Diamond$  Tick ( $\checkmark$ ) the animals that you have seen.























There are many kinds of animals. Some animals are big, some not so big.











Deer



Giraffe



Elephant



Bear



Tiger



Rabbit



Cheetah

Some animals are small in size.



Mosquito



Ant



Housefly



Rat

♦ Paste the picture of your favourite animal inside this box.

The elephant is the only animal that cannot jump.











### **About Mammals**

Some animals have hair or fur on their body. They give birth to and give milk to their babies. They are called mammals.









Dogs, kangaroos and elephants are mammals.



Some mammals fly.



Some mammals swim.



Humans are also mammals.







♦ Let us compare the two animals in the pictures.

A Cow and a Buffalo





A Sheep and a Goat



In what ways are they similar? How do they differ? Use the helping words that you know.









## Animal Tails







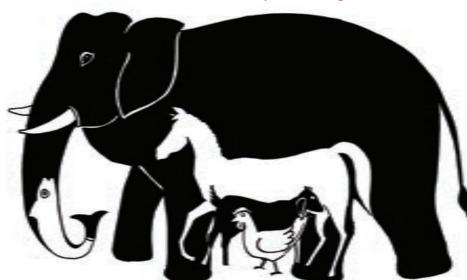
Happy dog wags its tail

Troubled cow swats flies with its tail

Angry cat stares with its tail up







♦ Connect the heads of the animals to their legs.











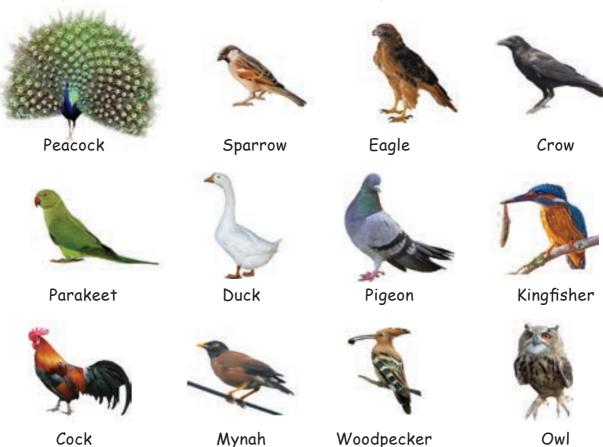


## **About Birds**

## Let Us Talk

Have you seen these birds? Where have you seen them?





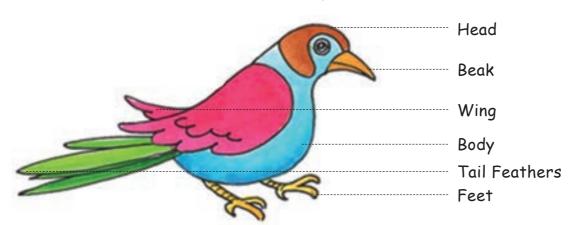
Name and talk about them. Here are some words to help you.

## Vocabulary

size, colour, wings, legs, beak, feathers, feet

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Observe the bird. Let us name it's parts.

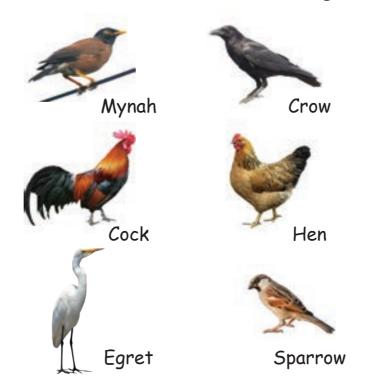




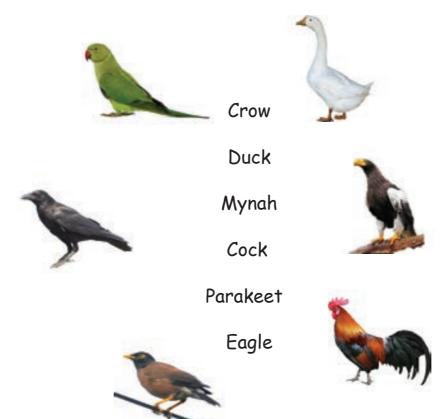


# Let Us Talk

Speak about similarities and differences in the given birds.













They have two wings, two legs and a beak.







They eat with the help of their beaks. They do not have teeth.









Their legs help them to walk around and run.







They have colourful feathers.

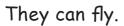


















There are some birds that cannot fly.









Ostrich

Emu Kiwi Some birds can swim.



Duck





 $\Diamond$  Tick ( $\checkmark$ ) the birds that can fly.



Swan



Water hen



Kingfisher (









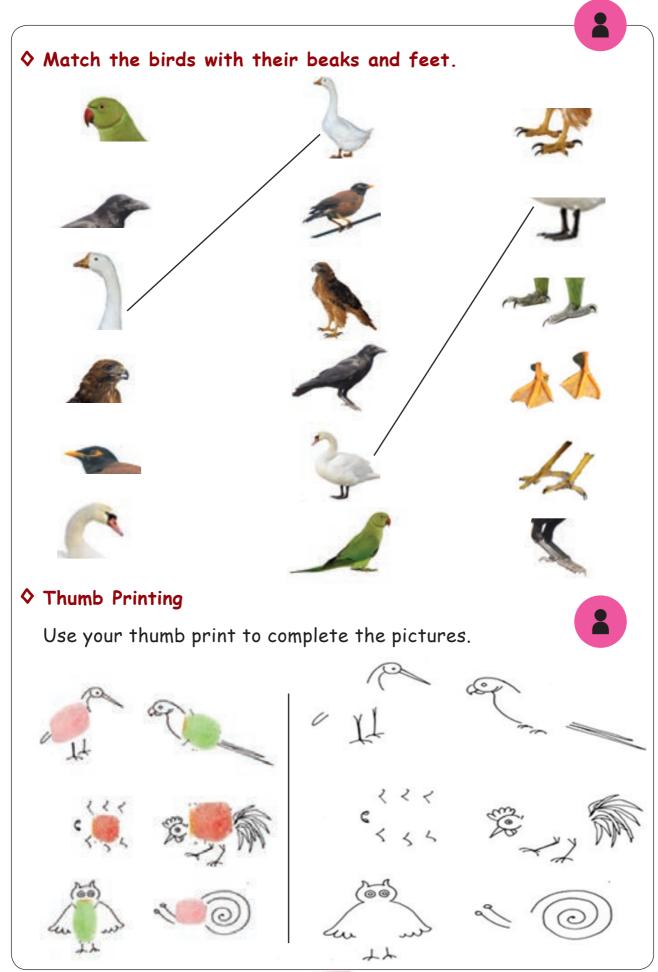
Crow

Kiwi

Emu







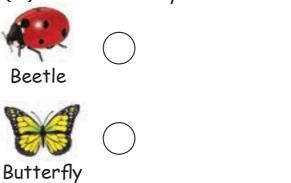








Walk around the school campus. How many insects can you see? Tick ( $\checkmark$ ) the ones that you saw.













Dragonfly

Housefly



Observe the pictures of insects.



Honeybee



Leaf Insect



Beetle



Wasp



Stick insect



Cockroach



Grasshopper



Head louse

Butterflies are good friends of flowers.

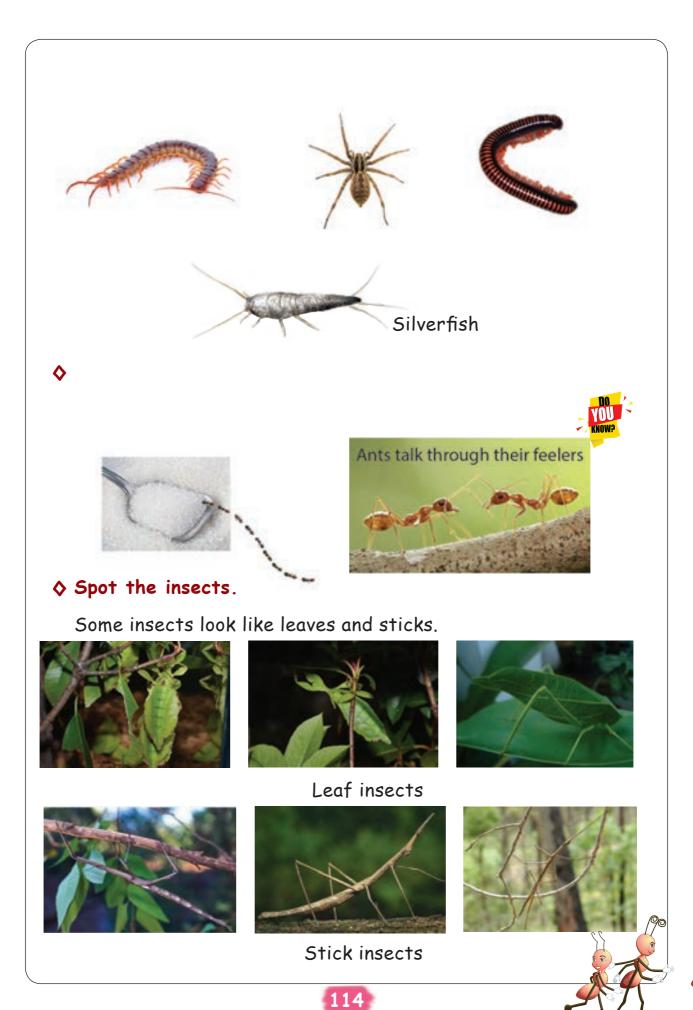
Insects are tiny animals with six legs. Some insects have wings that help them fly.









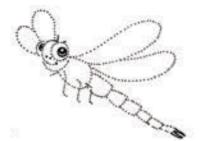


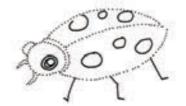
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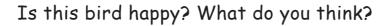






## Animal Care and Protection

## Let Us Talk







## Bird bath

Keep water for the birds in a mud vessel and observe how happy they are.







How can we care for the animals around us?

















### ♦ Solve the riddles and connect them to the given pictures.

I live in trees and like to climb.
I like bananas. Who am I?



I live in the forest.

I have sharp teeth.

People call me "The King of Jungle". Who am I?



I have no legs.

But I slither on the ground and on the trees. Who am I?



I am not a bird but I can fly.
I collect nectar from flowers
and make honey. Who am I?



I am a mammal.

I have big ears. I have a long trunk and I walk on four legs.

Who am I?



♦ "Who am I?" - Play the game with your teacher's help.



♦ Make a paper plate mask.





Now wear the paper plate mask you have made and enact a story.

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♦ Make your own riddles and ask your friend to solve them.









### ♦ Fun Zone



Find out what is strange in these animals and have a good laugh.



# **Evaluation**

♦ What do you see in these pictures? How can we care for the animals around us? Talk about it.







♦ Find the animals in the jungle below. Name them. Classify them as birds, insects and mammals.









 $\Diamond$  Tick ( $\checkmark$ ) the animals whose parts are found in the picture at the centre.



# Self-Evaluation

I can observe and name some animals.

I can identify and differentiate mammals, birds and insects.





I can compare and describe animals.

I can think - sequence, solve riddles and match.





I can act like animals.

I will be kind to animals.





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