FOREWORD

The Colourful world of children is full of excitement and spectacular thoughts! Their imaginative power can even attract the wild creatures to accompany them in a friendly manner. Their enthusiasm and innovative prescription can even trigger the non-living entities and enchant the poetic Tamil. It is nothing but a bundle of joy blended with emotions when you travel into their creative world.

We have tried our level best to achieve the following objectives through the new Text Books by gently holding the tender hands of those little lads.

- To tune their mind away from rote-learning and guide them into the world of creativity.
- To make the children be proud of their ancient history, culture, art and rich Tamil literature.
- To march triumphantly with confidence into the modern world with the help of Science and Technology.
- To facilitate them to extend their journey of learning beyond the text book into the world of wisdom.

These new Text Books are studded with innovative design, richer content blended with appropriate psychological approach meant for children. We firmly believe that these newly designed text books will certainly create a sparkle in your mind and make you explore the world afresh.
THE NATIONAL ANTHEM

Jana-gana-mana-adhinayaka jaya he
   Bharata-bhagya-vidhata.
Punjab-Sindhu-Gujarat-Maratha-
   Dravida-Utkala-Banga
Vindhya-Himachala-Yamuna-Ganga
   Uchchhala-jaladhi-taranga
Tava subha name jage,
   Tava Subha asisa mage,
Gahe tava jaya-gatha.
Jana-gana-mangala-dayaka jaya he
   Bharata-bhagya-vidhata
Jaya he, jaya he, jaya he,
Jaya jaya, jaya, jaya he.

- Rabindranath Tagore.
குறித்தல் அசரம்

குறித்தல் அசரம் ஒவ்வொரு இவர்களுக்கும் குறித்தலின் படி அருகில் அனுமதியப்பட்ட குறித்தல் அசரம் அருகில் உள்ள குறித்தல் அளவில் அருகில் உள்ள குறித்தல் அளவில் அறிக்கை மையமான திறக்கப்பட்ட திறக்கப்பட்ட குறித்தல் அளவில் அப்படி குறித்தல் அசரம் அசரம்

- 'பெண்குருவனாக' ஐ. கவிஞர்

குறித்தல் அசரம் - வரலாற்

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THE NATIONAL INTEGRATION PLEDGE

“I solemnly pledge to work with dedication to preserve and strengthen the freedom and integrity of the nation.”

“I further affirm that I shall never resort to violence and that all differences and disputes relating to religion, language, region or other political or economic grievances should be settled by peaceful and constitutional means.”

A STUDENT’S VOW BEFORE MOTHER INDIA

Name:

Class: School:

“I shall overcome the obstacles raised by caste and communal prejudices and work for the greatness of my Motherland putting to the fullest use the benefits that I derive through education.

Vande mataram!

Signature

Untouchability is Inhuman and a Crime
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**TEXT BOOK**

**EVALUATION**

**DIGI LINKS**
UNIT 1

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 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.
I like my doll.

Harini wonder why her puppy ate food but her doll did not?
Do you know why? Let us find out.
Living things eat, grow, move and have young ones. They also breathe and feel.

I play
I grow
I eat

I AM A LIVING BEING

Living things eat.

Living things grow.
Plant a seed and watch it grow.

Sequence the pictures.

Put a Tick (✓) against those that need food to live.
Living things can move from one place to another.

Horse  Skink  Bird  Earth worm

Living things have young ones.

Living things experience sensations. Living things breathe.
This cat is hungry. Help the cat reach the milk.

Connect the baby with its mother by drawing a line.
Non-living things

Let us talk

Do not eat
Do not move
Do not grow
Do not feel
Do not have young ones

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

CAR  AEROPLANE  TABLE

DOLL  OIL  GATE

CAT  DOG
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 nonliving, where eagle, dolphin and crab are found.

_FINISH_
Observe the picture. Differentiate the living things from non-living things. Give reasons.

Evaluation

Tick (√) the living things.

Parrot, Key, Horse

Saw, Bucket, Blender

Horse, Key, Bucket
Is it living or non-living?

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<th>What is this?</th>
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<td>Does it produce young ones?</td>
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Self-Evaluation

☆ I can identify living and non-living things.

I can differentiate living and non-living things. ☆

☆☆ I can draw within a grid, connect the dots and colour.

I can make a paper boat and a paper aeroplane. ☆

☆☆ I can connect related pairs of things.
Learning Objectives

The learner should be able to

➢ Name the external parts of the body.
➢ Identify various senses through activities.
➢ 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
Let us know our body parts.

- Head
- Ear
- Neck
- Mouth
- Shoulder
- Chest
- Stomach
- Hand
- Fingers
- Knee
- Leg
- Toes

Connect the labels to the parts.

- Chest
- Stomach
- Head
- Leg
- Fingers
- Mouth
- Shoulder
- Eye
- Neck
- Toes
- Knee
- Hand
◊ Observe the pictures. Little Varun is moving his body in so many ways. Shall we try the same actions?

◊ What are some other actions that you can do with your body?
Some of our body parts are in pairs and some are single.

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

◊ 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.

◊ 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.

You put your right hand in
You put your right hand out
You put your right hand in
And you shake it all about
You do the Hai hai and
you turn yourself around
That’s what it’s all about!

Similarly do the actions with the left hand, right foot, left foot, head and then with your whole body.

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

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

Ring Finger ← Middle Finger
Little Finger ← Index Finger
→ Thumb
◊ Your thumbprint is special. Put your thumbprint in one of the boxes.

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

Do they look the same?

◊ Play the game “Raja Says” or “Rani Says” with your friends.

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
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. Find the direction of the sound you hear. Identify your friends with their voices.

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?

We see and hear the world around us. We also use our senses of touch, smell, taste and 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 guard is bitter.

What do you like to eat?

Eagles, falcons and hawks can see small objects even from a great height.
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 a germ. I cannot see the germ. It is very small. It is waiting to get inside my body. I brushes her teeth. I take a bath. The germ attacks. I is clean and becomes happy. I goes to school. I goes to the washroom. I do not wash her hands with soap. I is happy. I enters Mala’s nails. I eats her lunch. I goes into Mala’s stomach. I falls sick. I visits the hospital. The Doctor tells her to wash her hands with soap before and after using the tap. The Doctor gives Mala medicines. I gets well. I is happy.
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.
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.

Put a tick (✓) mark to the things which helps to keep you clean.
Evaluation

◊ Observe the picture and mark them based on the given instructions.

- Near the kite you see
- Near the objects which produce sound
- Near the objects with smell
- 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.
UNIT 3
Nature's Bounty

Learning Objectives
The learner should be able to

Selvi went to a garden. She saw a yellow flower on the tomato plant. She went to pluck it. A bee came and said, "Please, leave it for me. It is my food".

She saw a red tomato on the tomato plant. She went to pluck it. A parrot came and said, "Please, leave it for me. It is my food".

She saw a green leaf on the tomato plant. A grasshopper came and said, "Please don’t pluck the leaf. It is my food."

Watering the plant, Selvi said, "You provide food for all of us. Thank you very much".
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.
Look at the pictures. These are some flowers that we see around us. Let us name them.

- Fire cracker (Kanakambaram)
- Jasmine (Malli)
- Marigold (Samanthi)
- Lotus (Tamarai)
- Frangipani (Sampangi)
- Rose (Roja)
- Screw pine (Thazhampoo)
- Chrysanthemum (Samanthi)
- Hari champa (Manoranjitham)

Which flower do you like? Describe that flower.

Here are some helping words.

**Vocabulary**
- smell, petal, soft, smooth, rough, thorn, colour, red, pink, white, yellow
Some flowers have a sweet smell.

Champaca (Shenbagam)

Jasmine

Rose

We can keep flowers fresh as shown above.

Flowers have different kinds of petals. Observe the shapes of the petals.

Match the flowers with their petals.
I went to the market
With my bag
To buy red tomatoes
Big brown potatoes
Round and fat
Green chillies
Long and thin
Fat pumpkins
Orange and green
Purple brinjals
Big and small
And drumsticks long
My bag became heavy
I came back home
With my basket full
Everybody smiled!

Let us talk
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

Here are some commonly used vegetables.

- Onion
- Ginger
- Garlic
- Beetroot
- Radish
- Ladies finger

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 vegetables are hard?
- 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.

**Vegetable Printing**

- With Ladies Finger
- With Capsicum
- Using Carrot
- Using Lemon
Fruits keep us healthy. There are many kinds of fruits.

Most fruits change their colour when they ripen.

Mango  Guava  Papaya  Banana

These are some fleshy fruits.

Papaya  Sapota

These are some juicy fruits.

Musk melon  Watermelon  Orange
These are some small fruits.

- Grapes
- Jujuba (Elanthai)

Some fruits are big.

- Watermelon
- Jackfruit

These are some fruits that are sour.

- Lemon
- Gooseberry

Some fruits are sweet.

- Banana
- Custard apple
- Sapota

These are some fruits that taste both sweet and sour.

- Grapes
- Pineapple
These are some dry fruits.

Dates  Raisins  Figs

Do You Know? Birds and squirrels like fruits.

You have learnt about many kinds of fruits.
You describe a fruit and your friend should name it.

Fill in the blanks.
1. O _ A _ G _.
2. G R _ P _ S.
3. _ A N _ O.
4. S _ PO _ A.
5. P _ P A _ A.

Connect the fruit to its name.
Papaya
Mango
Sapota
Pineapple
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.
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. Name the flowers. Which flowers have a **nice smell**?
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.
UNIT 4
Animals Around Us

Learning objectives
The learner should be able to

Let us talk
Observe the animals in the picture.
Have you seen these animals?
What are they doing?
Tick (✓) the animals you have seen.

Let us talk

Observe the Kangeyam bull. Let us know its 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 above words? Connect the labels with the parts.
About Animals

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

Lion  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. Some animals 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.

Bat

Whale

◊ Compare the two animals in the pictures.

A Cow and a Buffalo

What are similar? What are different?

A Sheep and a Goat

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

◊ Find the hidden animals in the picture given below.

◊ Connect the heads of animals to their legs.
About Birds
Let us talk

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

Peacock  Sparrow  Eagle  Crow
Parrot  Duck  Pigeon  Kingfisher
Cock  Mynah  Swan  Owl

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

Observe the bird. Let us know its parts.

Vocabulary
size, colour, wings, legs, beak, feathers, feet
Connect the names to the birds.

- Crow
- Duck
- Mynah
- Swan
- Parrot
- Eagle

Let us talk

Speak about similarities and differences.

- Mynah
- Crow
- Cock
- Hen
- Crane
- Sparrow
Birds are animals.

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.

The Peacock is the largest flying bird.
They can fly.

They are some birds that cannot fly.

Emu  Kiwi  Penguin  Ostrich

Some birds can swim.

Duck  Swan  Water hen

◊ Tick (√) the birds that can fly.

Penguin  Kingfisher  Parrot

Crow  Kiwi  Emu
◊ Match the birds with their beaks and feet.

◊ Thumb Printing
Use your thumb print to complete the pictures.
About Insects

Walk around the school campus. How many insects can you see? Count their number and enter it in the circle.

- Beetle
- Dragonfly
- Butterfly
- Housefly
- Mosquito
- Ant

Observe the pictures of insects.

- Honeybee
- Leaf Insect
- Beetle
- Wasp
- Stick insect
- Cockroach
- Grasshopper
- Head louse

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

Butterflies are good friends of flowers.
Some tiny animals are not insects. They have more than six legs.

Some insects cannot fly - Silverfish.

◊ Shall we do it?
Put a little sugar and leave it for a while.
What do you observe?

◊ Spot the insects.
Some insects look like leaves and sticks.

Leaf insects

Stick insects
Join the dots and colour the pictures.

Animal Protection

Let us talk

Is this bird happy? What do you think?

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?
шей Colour the given circle for the Do's.

 Solve the riddles and connect to the pictures given.

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

2. I live in the forest. 
   I have sharp teeth. 
   People call me "The King of 
   Jungle". Who am I?

3. I have no legs. 
   But I slither on the ground and 
   on the trees. Who am I?

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

5. I am a mammal. 
   I have big ears. I have a long 
   trunk and I walk on four legs. 
   Who am I?

Make your own riddles and ask your friend to solve them.
◊ "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.

Fun Zone
Find out what is strange with 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.
Tick (✓) the animals whose parts are found in the picture.

Self-Evaluation

- I can observe and name mammals, birds and insects.
- 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 can draw and colour animals.
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