

PLAYBOX

INFORMATION & COMMUNICATIONS TECHNOLOGY STANDARD

2



GOVERNMENT OF KERALA
GENERAL EDUCATION DEPARTMENT

STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT), KERALAM

2025

NATIONAL ANTHEM

Jana-gana-mana adhinayaka jaya he
Bharatha-bhagya-vidhata,
Punjab-Sindh-Gujarat-Maratha
Dravida-Utkala-Banga
Vindhya-Himachala-Yamuna-Ganga
Uchchala-Jaladhi-taranga
Tava subha name jage,
Tava subha asisa mage,
Gahe tava jaya gatha.
Jana-gana-mangala-dayaka jaya he
Bharatha-bhagya-vidhata,
Jaya he, jaya he, jaya he,
Jaya jaya jaya jaya he!

PLEDGE

India is my country. All Indians are my brothers and sisters.

I love my country, and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.

I shall give my parents, teachers and all elders respect, and treat everyone with courtesy.

To my country and my people, I pledge my devotion. In their well-being and prosperity alone lies my happiness

Prepared by :

Kerala Infrastructure and Technology for Education [KITE]

Poojappura, Thiruvananthapuram - 695012, Kerala

For **State Council of Educational Research and Training (SCERT)**

Poojappura, Thiruvananthapuram - 695012, Kerala

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Website : www.kite.kerala.gov.in, www.scertkerala.gov.in

email : contact@kite.kerala.gov.in, scertkerala@gmail.com

Phone : 0471-2529800, 0471-2341883, Fax: 0471-2529810, 0471-2341869

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Dear friends,

You will certainly enjoy this book, which has a number of resources that help you learn through play. This book is like a friend who guides you to speak, draw, and calculate.

Let this book enable you to work with a friend named Computer to explore, discover, and acquire knowledge.

With regards,

Dr. Jayaprakash R.K.

Director
SCERT, Keralam

INFORMATION AND COMMUNICATION TECHNOLOGY-II

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English Translation

Resmi M Raj, Master Trainer, KITE Idukki

Manu M Pillai, Master Trainer, KITE Kottayam

Swapna J. Nair, District Co-ordinator, KITE Ernakulam

Language Expert

Dr. P.K. Jayaraj, Senior Consultant, (English & Pedagogy), KITE, Thiruvananthapuram

Illustration

Eqbal M.K, Master Trainer, KITE Palakkad

E. Suresh, Cartoonist, Pallikkara, Kozhikkode

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State Council of Educational Research and Training (SCERT)

Vidyabhavan, Poojappura, Thiruvananthapuram- 695 012



1. Tic Tac Toe	07
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THE CONSTITUTION OF INDIA

PREAMBLE

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a ¹**[SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC]** and to secure to all its citizens :

JUSTICE, social, economic and political;

LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity; and to promote among them all

FRATERNITY assuring the dignity of the individual and the ²[unity and integrity of the Nation];

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949 do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

1. Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec.2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)
2. Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec.2, for "Unity of the Nation" (w.e.f. 3.1.1977)

1

Tic Tac Toe



To the Teacher

To Open the Game

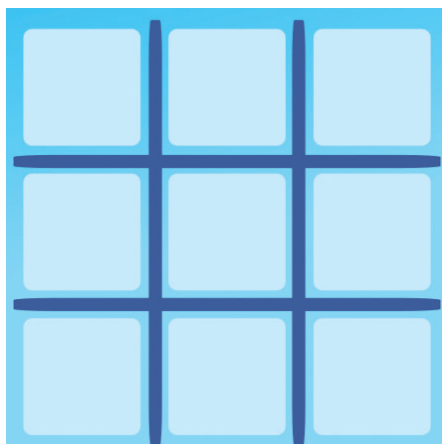
GCompris

Tic Tac Toe
(Against)





Play on this board.



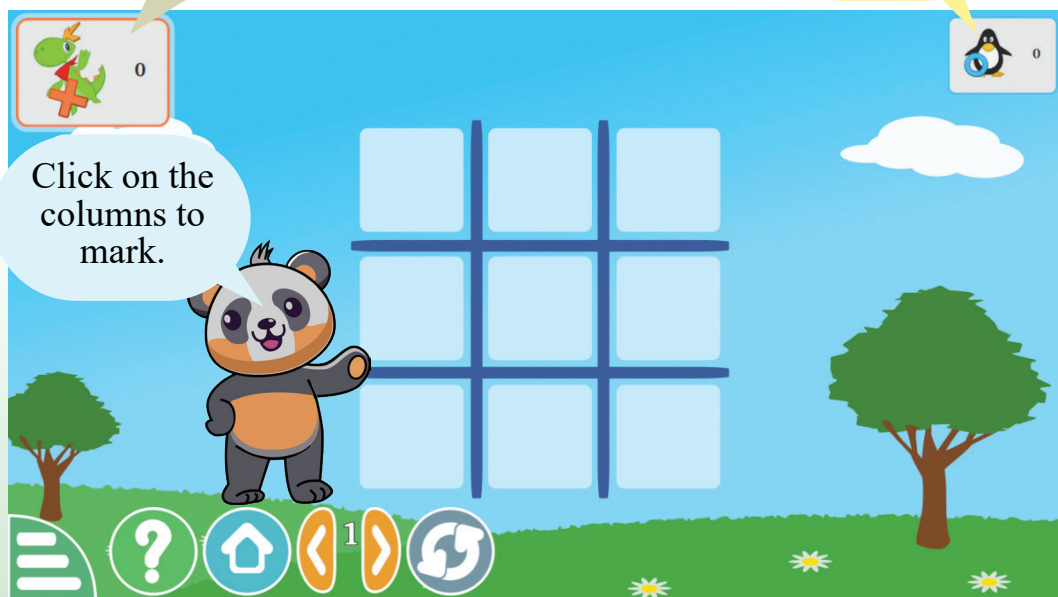
Here is our symbol and points.



Click on the columns to mark.



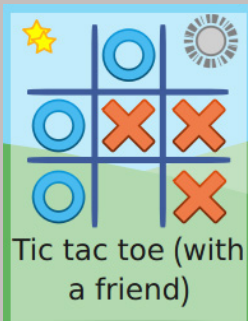
Tux's is here.



We have to mark in
3 consecutive columns
straight downwards or
diagonally.



We can play in all the 5 levels.

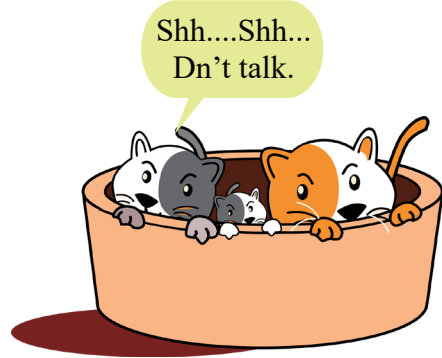


After this, play the game Tic Tac Toe
(with a friend) also.



2

WHERE?

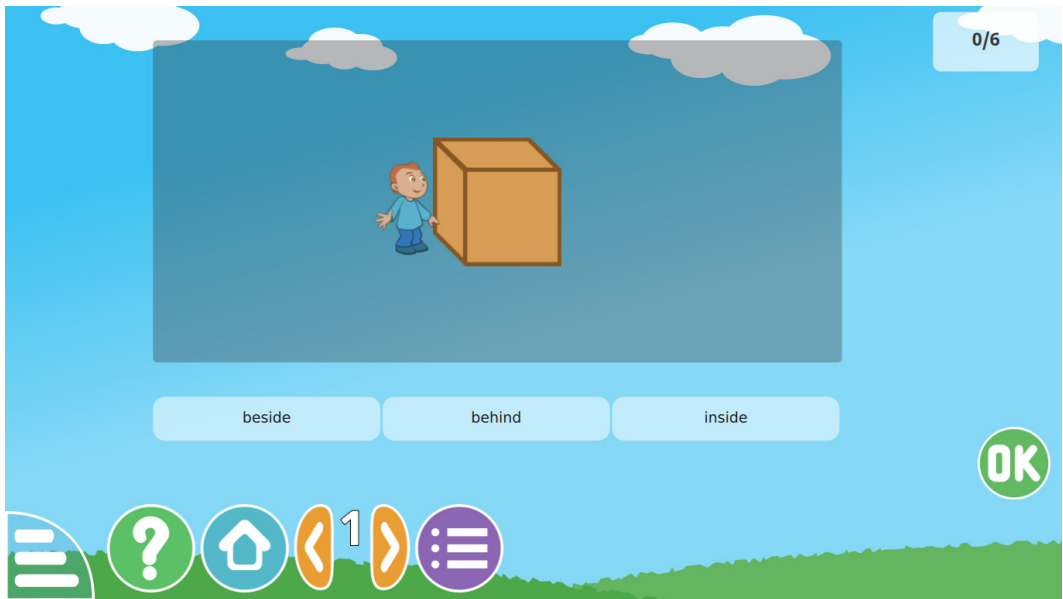


Try playing the game of Positions.



GCompris

Positions



Find the location of Appu and click OK.



Play all the levels.



Show Me the Way

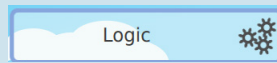


The Ambulance
should
pass first.

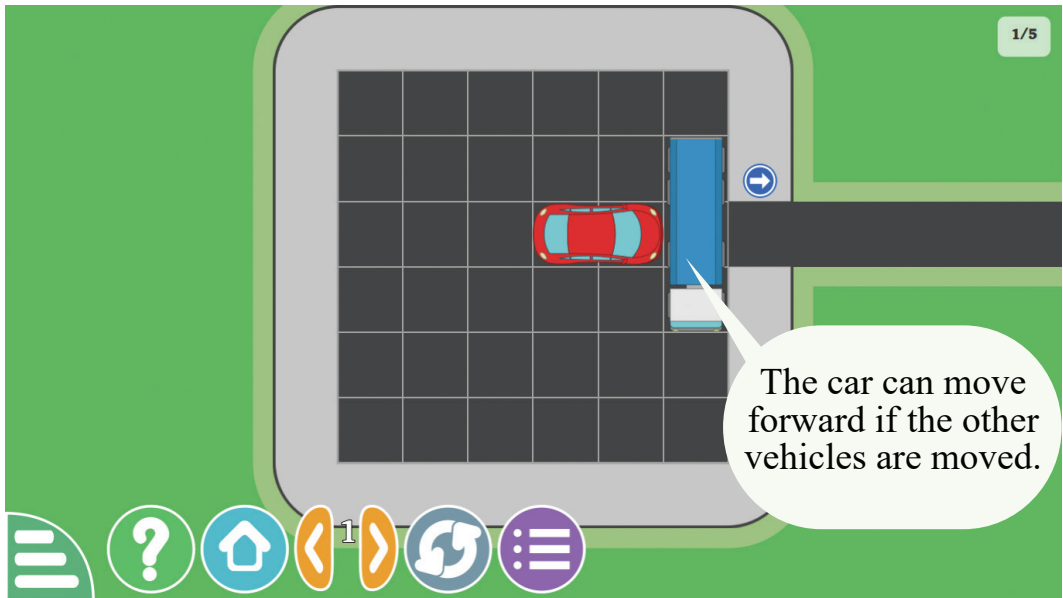
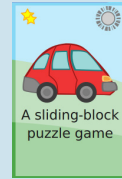


Can you show the way to the car
in the Playbox ?

GCompris



Finding the way



Play all the levels....



Can You Take it from the Card ?



Is there a card with
my name on it ?



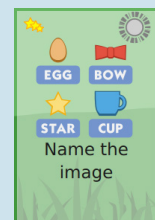
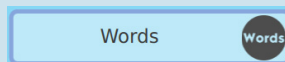
To the Teacher

To Open the Game

GCompris

Words

Name the image



Bring these images
above their names.



Drag and Drop each item above its
name



mail box

sailing boat

lamp

postcard

fishing boat

bulb

Click here to get
more images.

Read the name of
each one.



WRITE CORRECTLY



Arrange the words and make meaningful sentences on the computer.

To the Teacher

To Open the Game

World Weaver



Word Weaver



അർത്ഥപൂർണ്ണമായ ഒരു വാക്യം ലഭിക്കുന്നതിനായി വാക്കുകൾ തിരിച്ചറിയുക

ആമയും ചങ്ങാതിമാരാണ് അരയന്നങ്ങളും

Arrange the words here, according to the audio.

OK

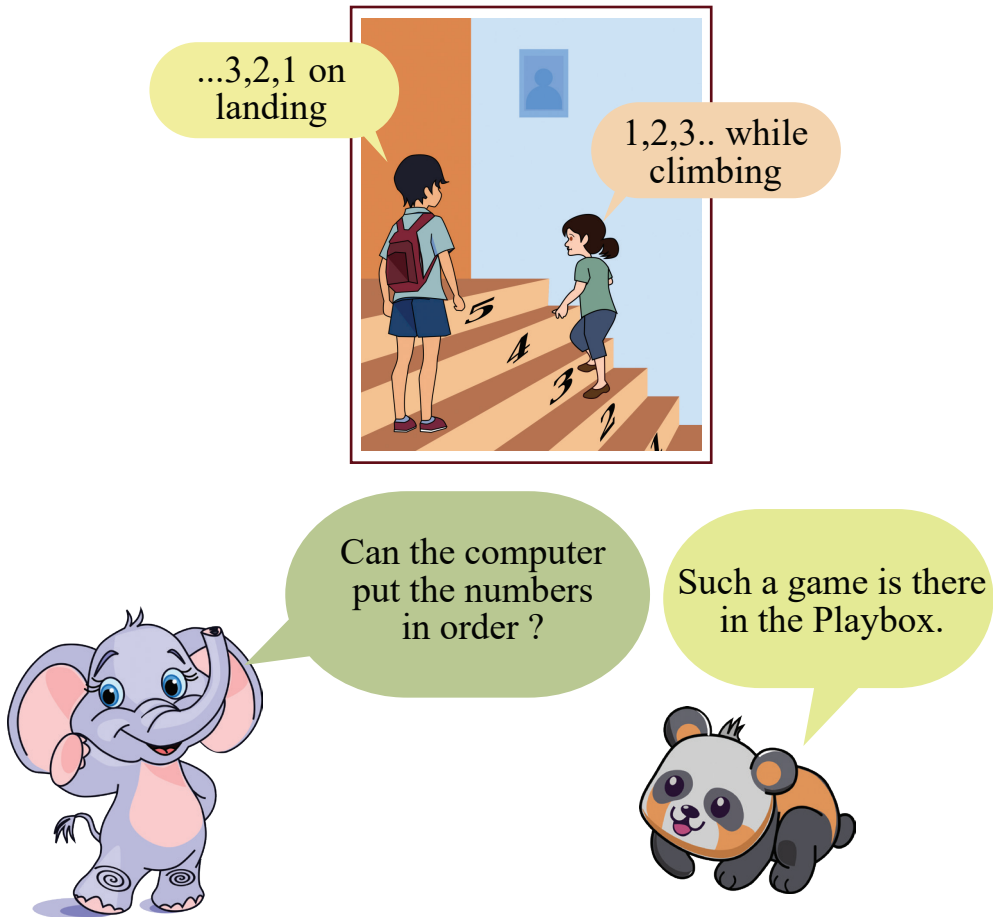
Click OK to know whether the answer is correct.



Play all the levels...



Ascending and Descending Numbers



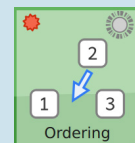
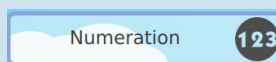
To the Teacher

To Open the Game

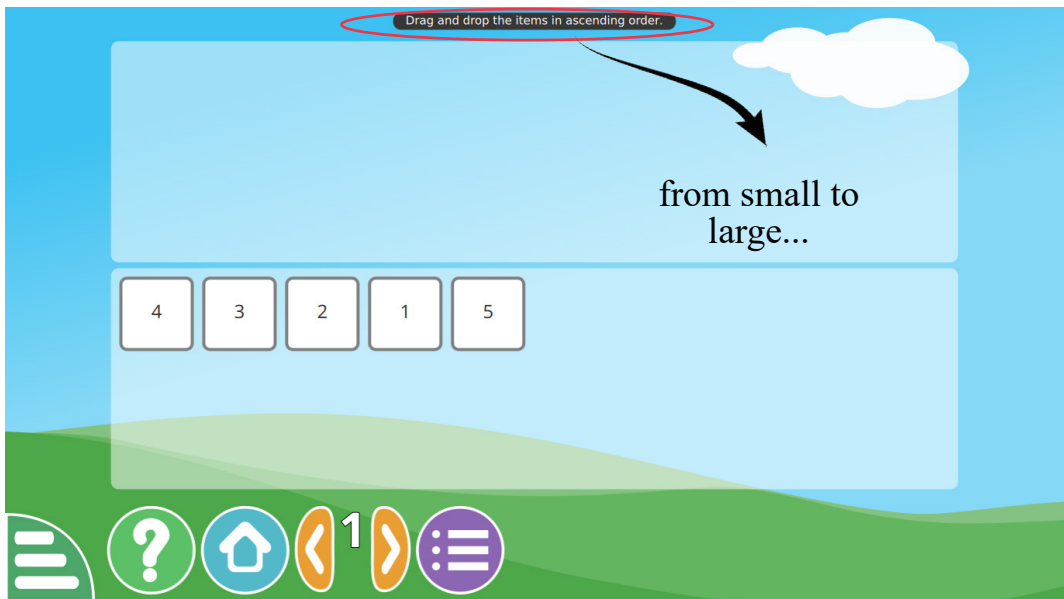
GCompris

Numeration

Ordering numbers



Put the given numbers in order.



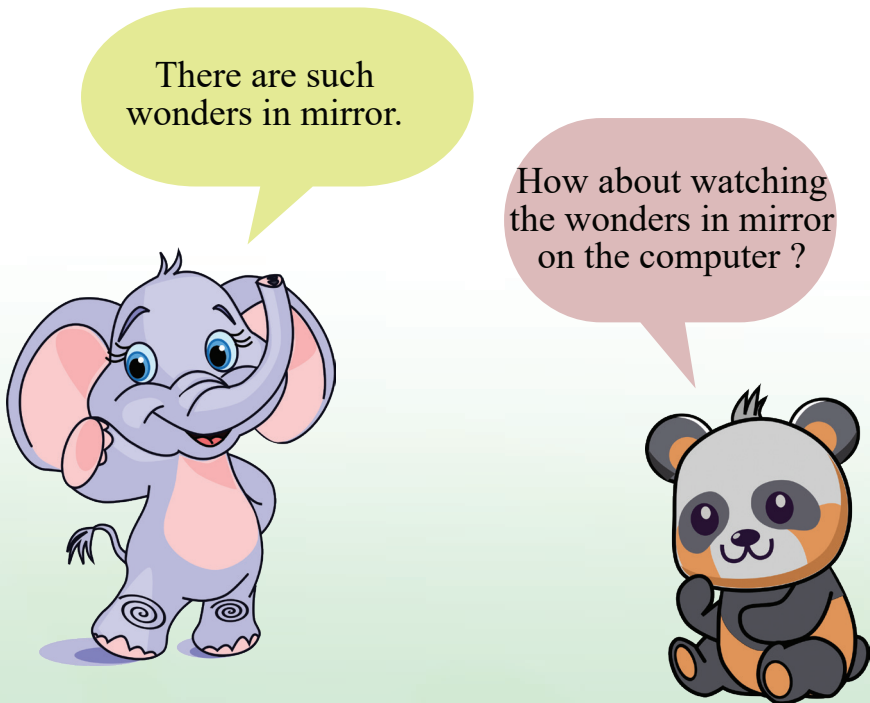
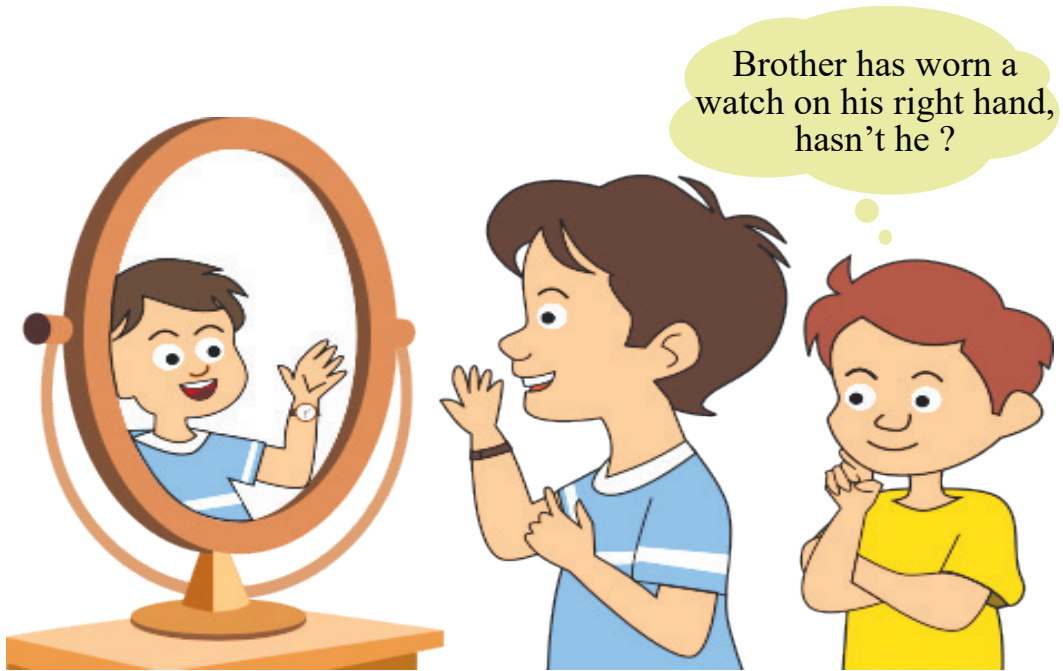
Click on the numbers
and drag to make it
in order.



Next levels contain bigger
numbers. Finish them too.



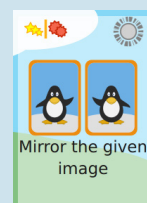
Wonders in Mirror



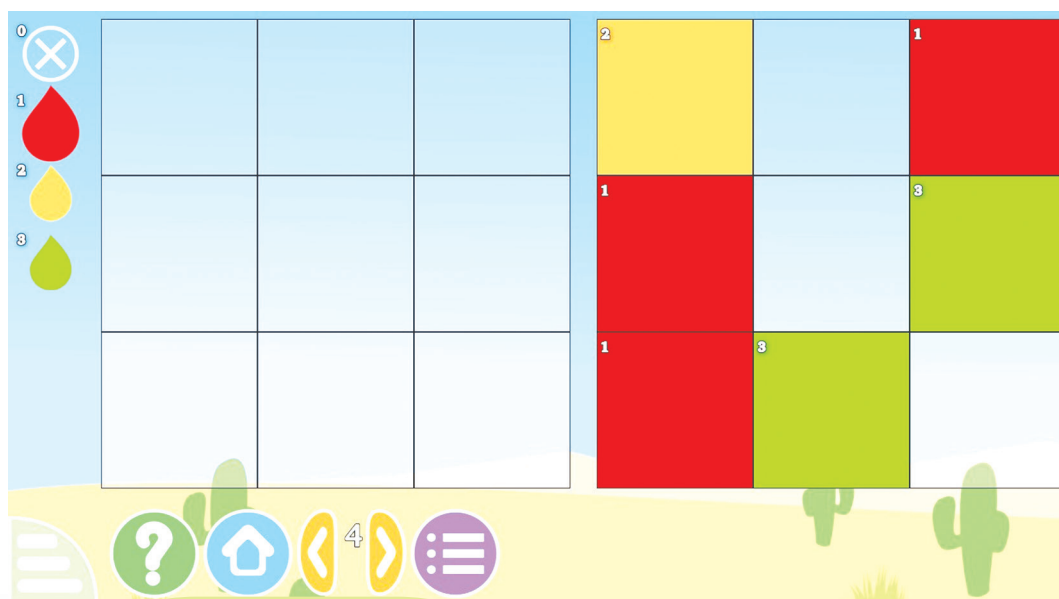
GCompris



Mirror the given image



Arrange the given image in the left side, as it appears in mirror.



Select the colour and click on the columns.



Play all levels..



Build as Model



To the Teacher

To Open the Game

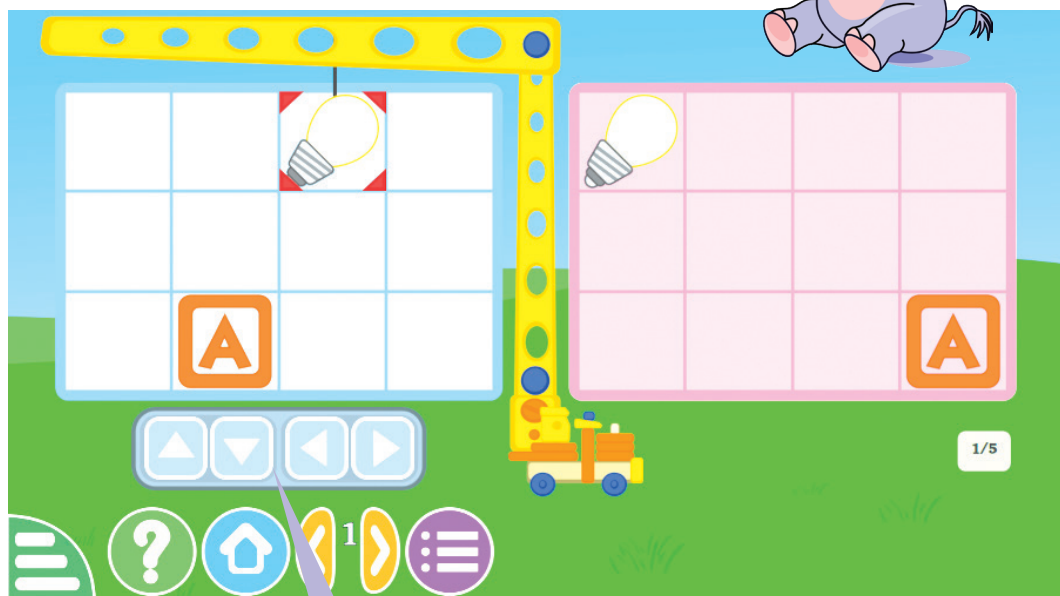
GCompris



Build the same model



Move and arrange the objects on the left side as they are on the right side.



Click on these buttons to move.



Play all levels.

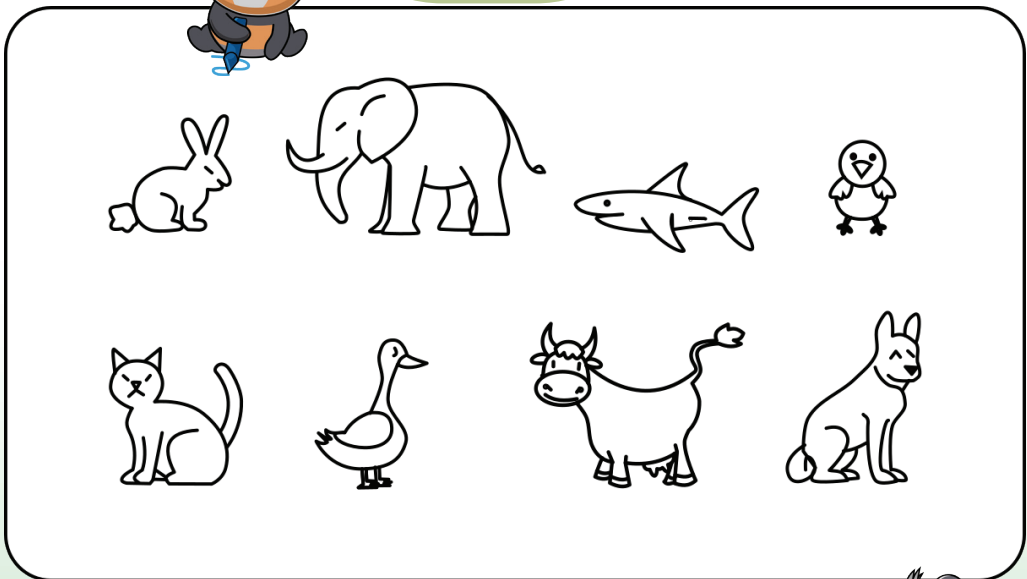


How Countless the Creatures are!

Ami and friends are playing
by telling the names of animals



Pictures are
also drawn.

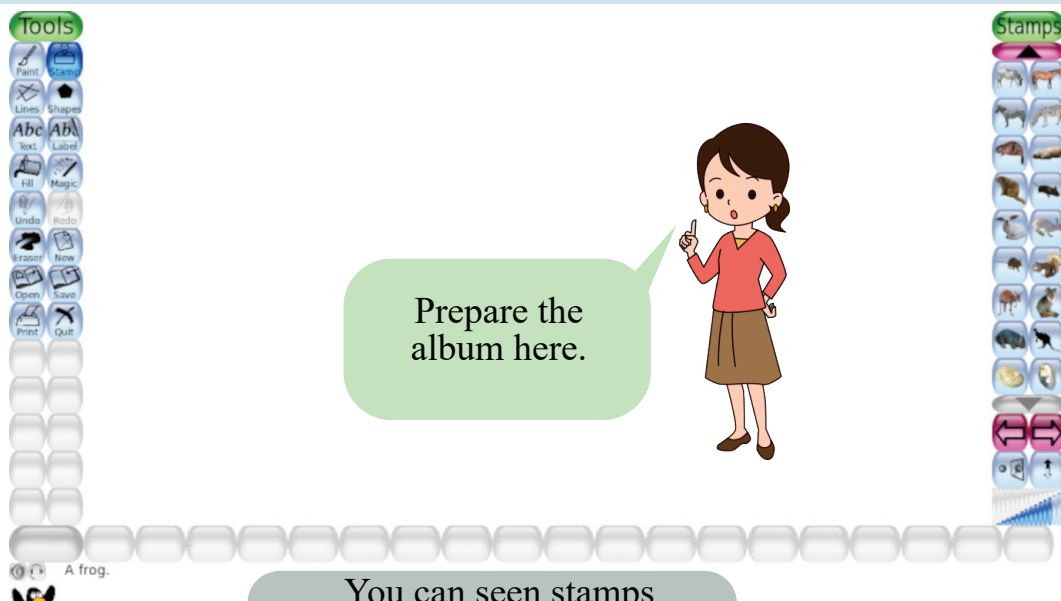


I have prepared
an album of
animals.

Shall we too
prepare.



TuxPaint



Click here to get the stamps of animals.



Click here to get more images.



Click here to adjust the size of the images.



Click here to Save.

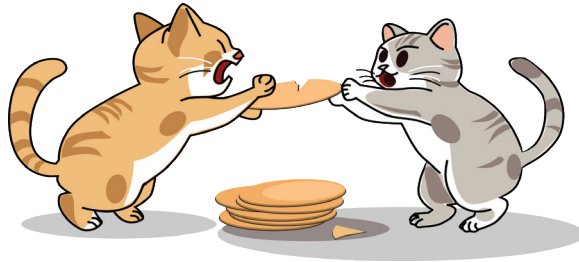


Prepare albums of flowers and vehicles using stamps.

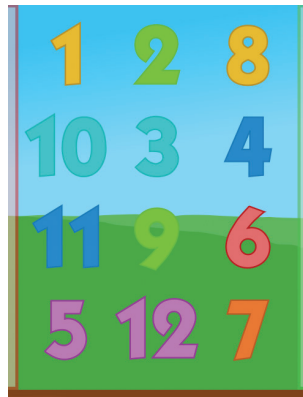


Odd or Even ?

Don't fight ..
I will make it equal
and take the rest, if any...



From which numbers
will the monkey
get dosas?



Find those numbers from the computer too.

To the Teacher

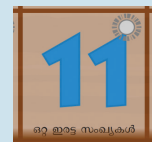
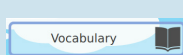
To Open the Game

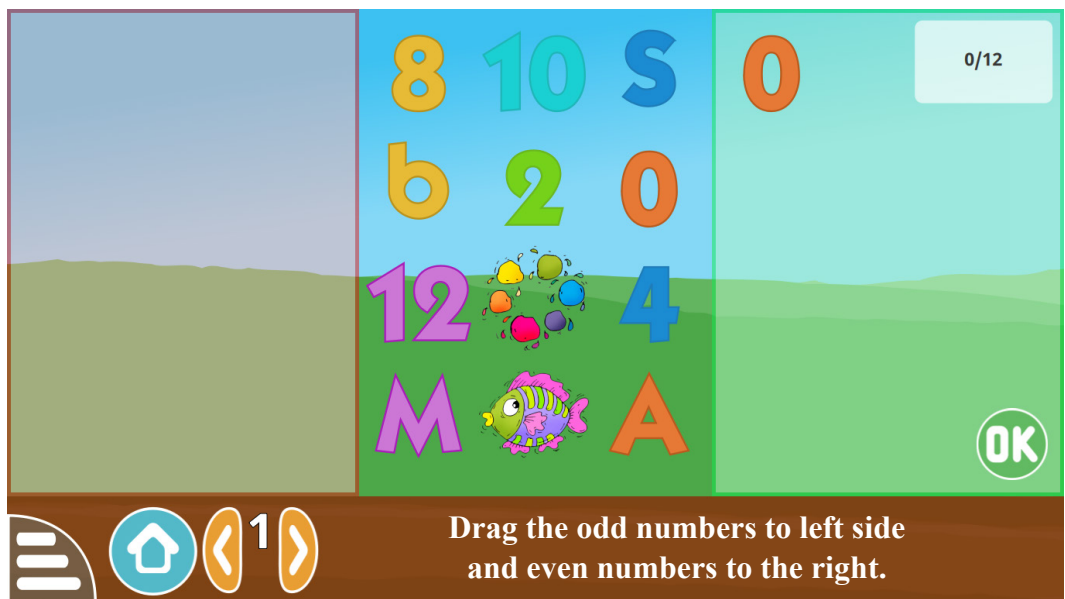
GCompris

Vocabulary

Categorization

Odd & Even
numbers





Click OK after categorising...



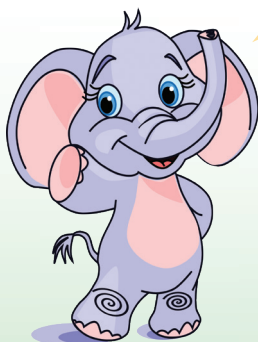
How Much is Left ?

Here is the balance



I gave you
Rs. 10/-

Which of these
might Raju
get as balance ?



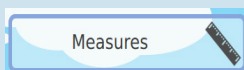


Now, give balance to Tux

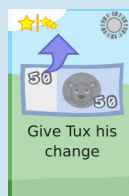
To the Teacher

To Open the Game

GCompris



Give Tux his change.



Arrange the money here.

 \$3 

Tux just bought some items in your shop.
He gives you \$5, please give back his change.

1 1 5 2 2

Choose the one you need from here

    1  



Play upto 10 levels



Let's Drop the Ball

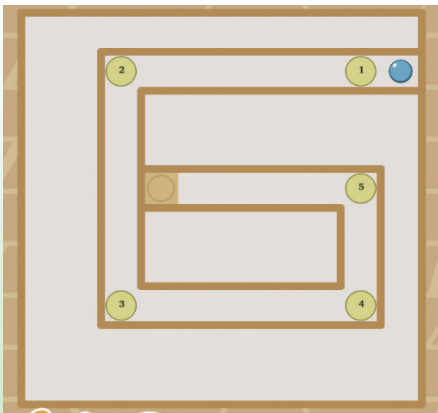
The ball is not falling into the hole.

Tilt the board slightly and try.



How about playing this on computer ?

How to tilt the board on computer?





Try using the arrow keys in the keyboard.

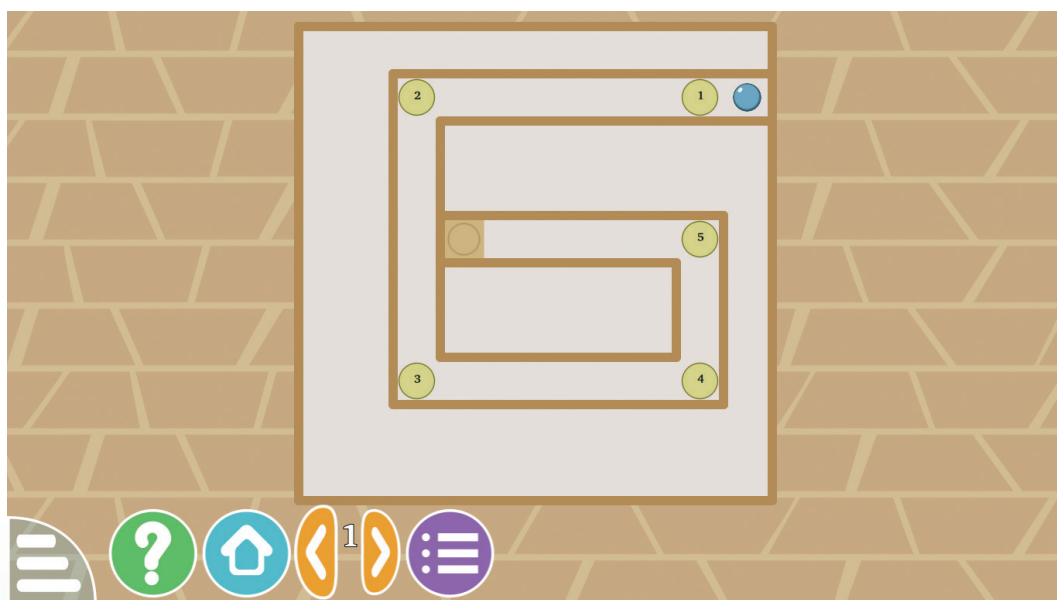
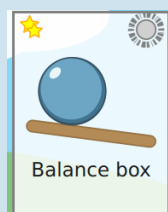
To the Teacher

To Open the Game

GCompris



Balance box

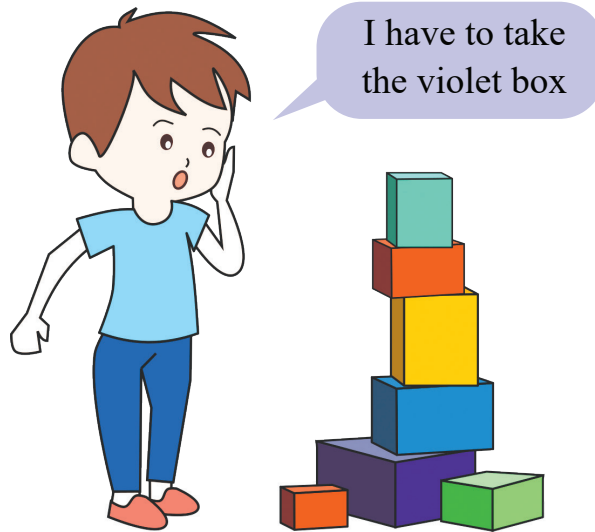


Using the arrow keys, bring the ball to the hole at the centre of the board in the given order of numbers.

Play all the levels..



Without Breaking the Order



Can you help Raju take out the violet box without dropping the other boxes ?



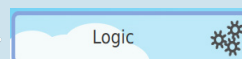
To the Teacher

To Open the Game

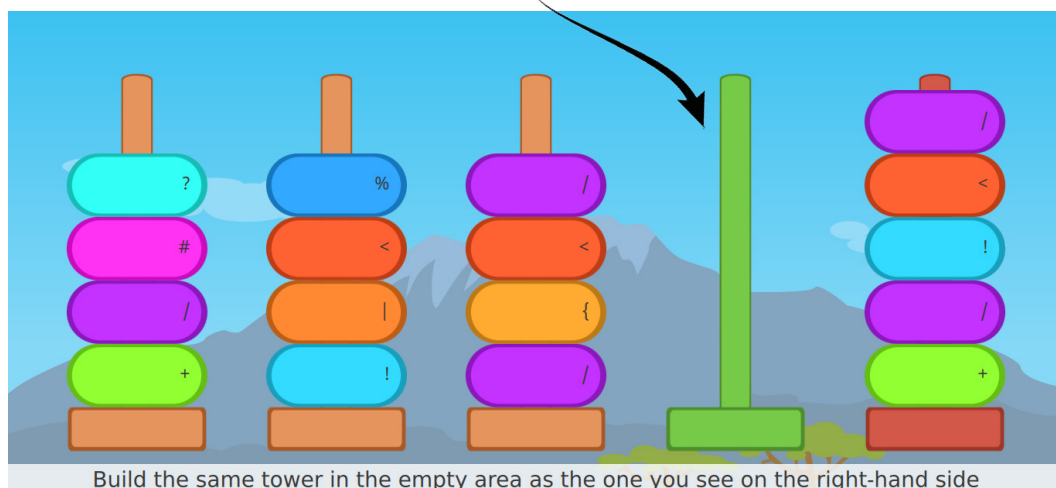
GCompris

Logic

Simplified
tower of
Hanoi



Arrange the boxes here as seen in the tower on the right side



Play all the levels.



Arrange the Symbols

Different
shapes
in rows and
columns!



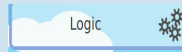
There is a game in the
Playbox where symbols are
arranged like this.



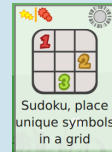
To the Teacher

To Open the Game

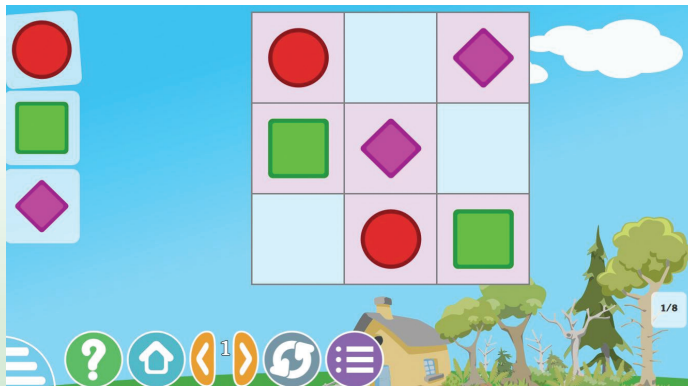
GCompris



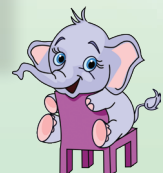
Sudoku, place unique
symbols in a grid



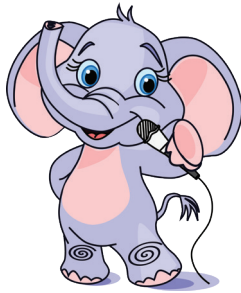
Click on them and bring to the columns.



Play all levels..



How Much in Total ?



Manjadi picking competition is about to start.



One who comes with this much of Manjadi will be the winner.



Shall we compete with Tux?

Give the answer before we hit down.



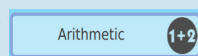
Click OK after typing the answer



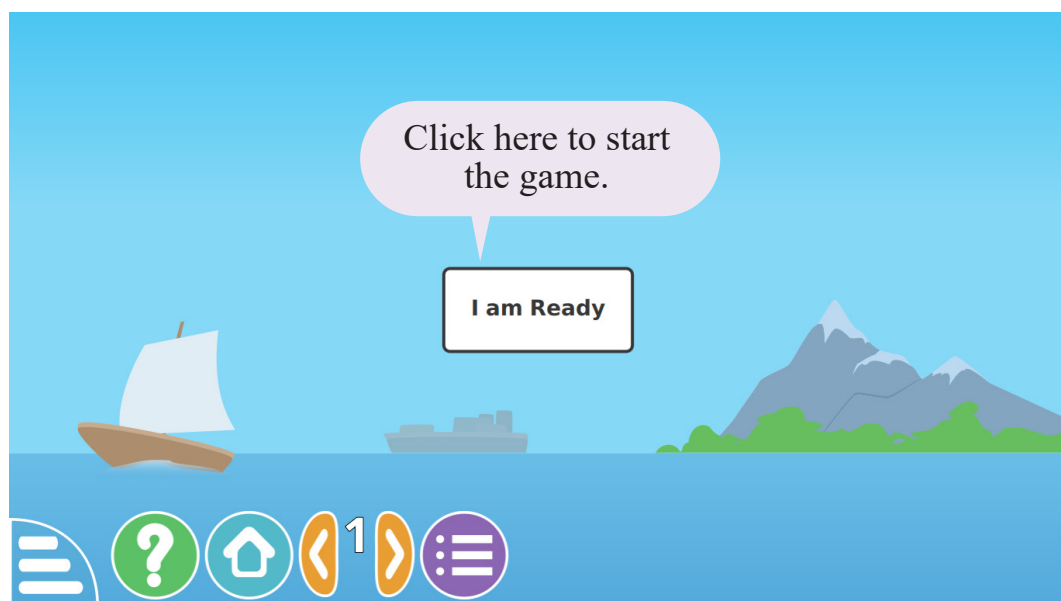
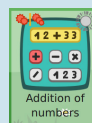
To the Teacher

To Open the Game

GCompris



Addition of
numbers



Complete all the levels...



Chase the Germs

Oh!
Run



Try playing the game
Hygiene in the Playbox

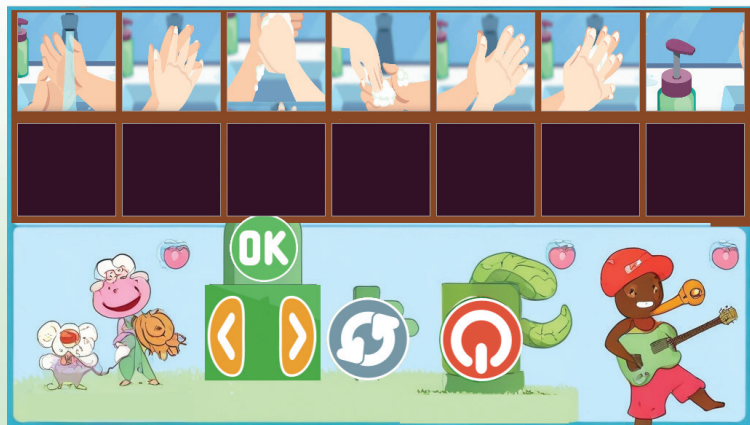
To the Teacher

To Open the Game

Hygiene



Arrange the
pictures of
handwash in
the correct
order



To the Teacher,

Communicating the lesson through games can generate interest among the children. This book will help you bring your children to various learning objectives related to language and mathematics through games. The activities in all the 16 units are organized with the intention of making the classroom interaction of the lessons of Std.II interesting. The computer is presented here as a friend to help children practice the activities by themselves.

It includes activities using educational games like GCompris, TuxPaint, Word Weaver and Hygiene to help primary students strengthen various skills. Here the activities are organized in relation to various contexts of other subjects. Along with that, the basic skills of using computers can also be imparted to the children..

It contains activities that help strengthen reading, literacy, sentence construction, number sense, arithmetic operations, and logical thinking. Ascending and Descending Numbers, Odd or Even, How Much in Total? - these units can be used to impart mathematical concepts. The chapter How Much is Left? is helpful in presenting the exchange of money in an interesting way.

The chapter namely Chase the Germs is designed to encourage children practice good hygiene, and the chapters Where ?, Wonders in Mirror and How Countless Creatures are, introduce ideas related to environmental science. Logical thinking and problem solving skills are things children should acquire at an early age. The chapters namely Tic Tac Toe, Show Me the Way, Build as Model, Without Breaking the Order, Arrange the Symbols include activities for the same.

These games will help to present the activities interestingly with the help of technology and considering the learning objectives to be achieved after the classroom interaction of Std.II. Along with that, the classroom should be prepared in such a way that the children get practical experience too.

CONSTITUTION OF INDIA

Part IV A

FUNDAMENTAL DUTIES OF CITIZENS

ARTICLE 51 A

Fundamental Duties - It shall be the duty of every citizen of India

- a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers, wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievements;
- (k) who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between age of six and fourteen years.

CHILDREN'S RIGHTS

Dear Children,

Wouldn't you like to know about your rights? Awareness about your rights will inspire and motivate you to ensure your protection and participation, thereby making social justice a reality. You may know that a commission for child rights is functioning in our state called the Kerala State Commission for Protection of Child Rights.

Let's see what your rights are:

- | | |
|--|--|
| <ul style="list-style-type: none">• Right to freedom of speech and expression.• Right to life and liberty.• Right to maximum survival and development.• Right to be respected and accepted regardless of caste, creed and colour. | <ul style="list-style-type: none">• Protection against neglect.• Right to free and compulsory education.• Right to learn, rest and leisure.• Right to parental and societal care, and protection. |
|--|--|
-
- Major Responsibilities**
-
- | | |
|---|--|
| <ul style="list-style-type: none">• Right to protection and care against physical, mental and sexual abuse.• Right to participation.• Protection from child labour and hazardous work.• Protection against child marriage.• Right to know one's culture and live accordingly. | <ul style="list-style-type: none">• Protect school and public facilities.• Observe punctuality in learning and activities of the school.• Accept and respect school authorities, teachers, parents and fellow students.• Readiness to accept and respect others regardless of caste, creed or colour. |
|---|--|



Contact Address

Kerala State Commission for Protection of Child Rights

'Sree Ganesh', T.C.14/2036, Vanross Junction

Kerala University P.O., Thiruvananthapuram-34, Phone : 0471 - 2326603

E-mail : childrights.cpcr@kerala.gov.in, rte.cpcr@kerala.gov.in

Website : www.kescpcr.kerala.gov.in

Child Helpline - 1098, Crime Stopper - 1090, Nirbhaya - 1800 425 1400

Kerala Police Helpline - 0471 – 3243000/44000/45000

online R.T.E Monitoring : www.nireekshana.org.in