

PLAYBOX

INFORMATION AND COMMUNICATIONS TECHNOLOGY
STANDARD



AI generated image



GOVERNMENT OF KERALA
GENERAL EDUCATION DEPARTMENT

STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT), KERALAM
2024

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

INFORMATION AND COMMUNICATIONS TECHNOLOGY - III

Prepared by :

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For State Council of Educational Research and Training (SCERT)

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Dear Children,

Here is a friend - a playmate, a teammate, who tells you interesting facts through play; who tells you serious things through games.

Aren't you ready to play with computers to learn many things?

Wherever you go, you see computers - schools, offices, hospitals, banks, shops, homes, everywhere you see them.

This 'friend' is here for you to learn computers. This friend, the book, will be an interesting experience for you.

There are a few activities in the book. I hope you will do them by taking in what you see around you.

With regards,

Dr. Jayaprakash R.K.
Director,
SCERT Kerala

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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];

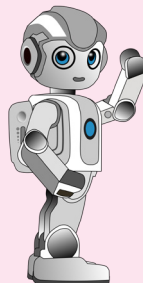
IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949 do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

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. Which Train is it?

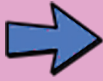
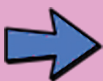


How about a game to identify the Train?
Open the Playbox and see...

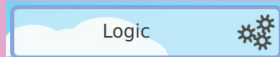


Into the Game

GCompris



Logic



Railroad activity

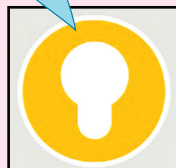
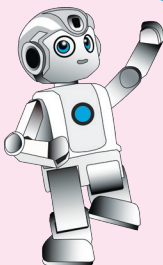




After identifying the train, drag it up and don't forget to press OK.



Forgot the train? Click here and see...

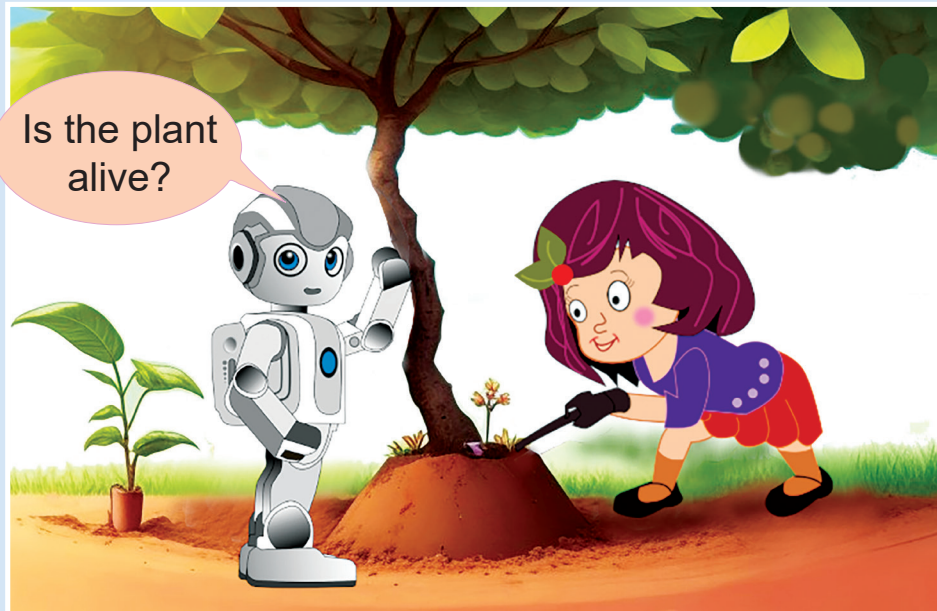


You can play all the levels of this game.

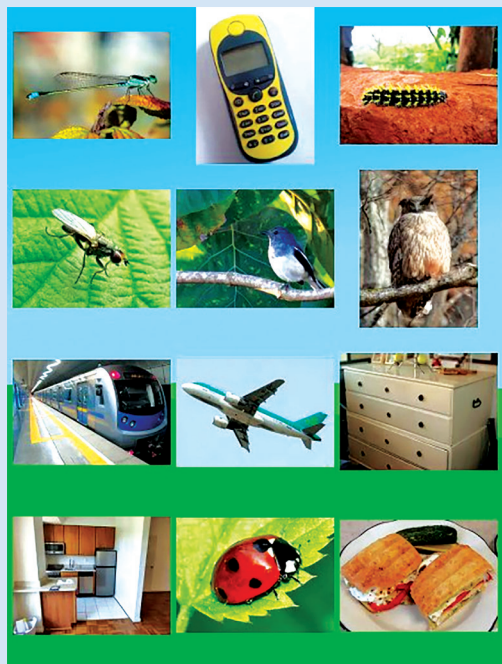


2. Is there Life?

“When a seedling is planted, a shade is planted!
A cool shade to stretch our body is planted!”



Did you hear Robo's doubt?
Classify the items in the picture into living and non-living things.

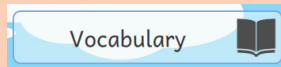


Into the Game

GCompris



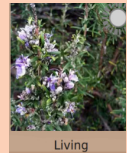
Vocabulary



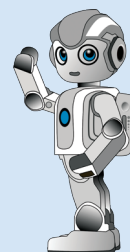
Categorization



Living

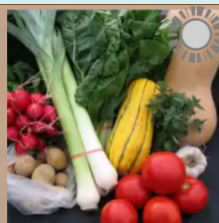


Don't forget to click **OK** after classifying.

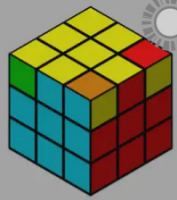




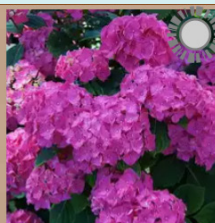
Practice the other items in the game as well.



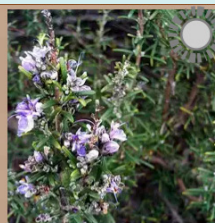
Vegetables



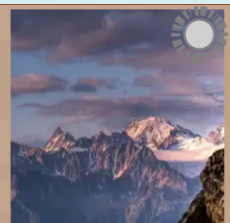
Shapes



Flowers



Living



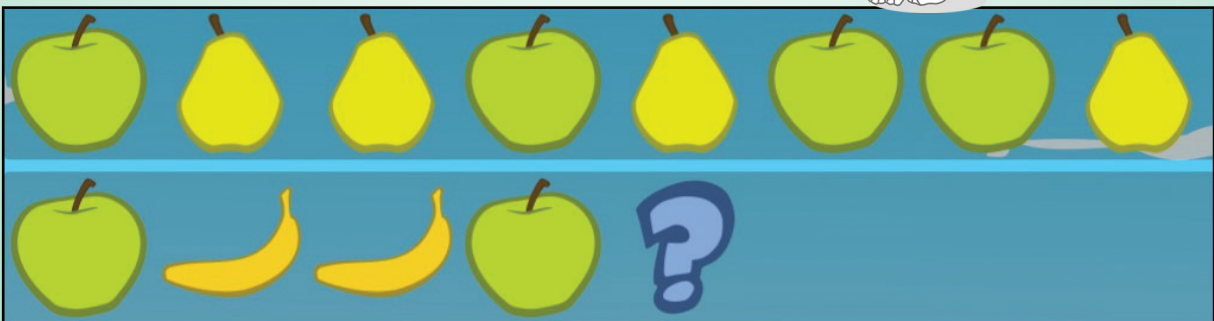
Nature



3. Let's Align the Things



There is an order in the row of fruits below. Can you find out?

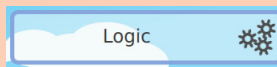


Into the Game

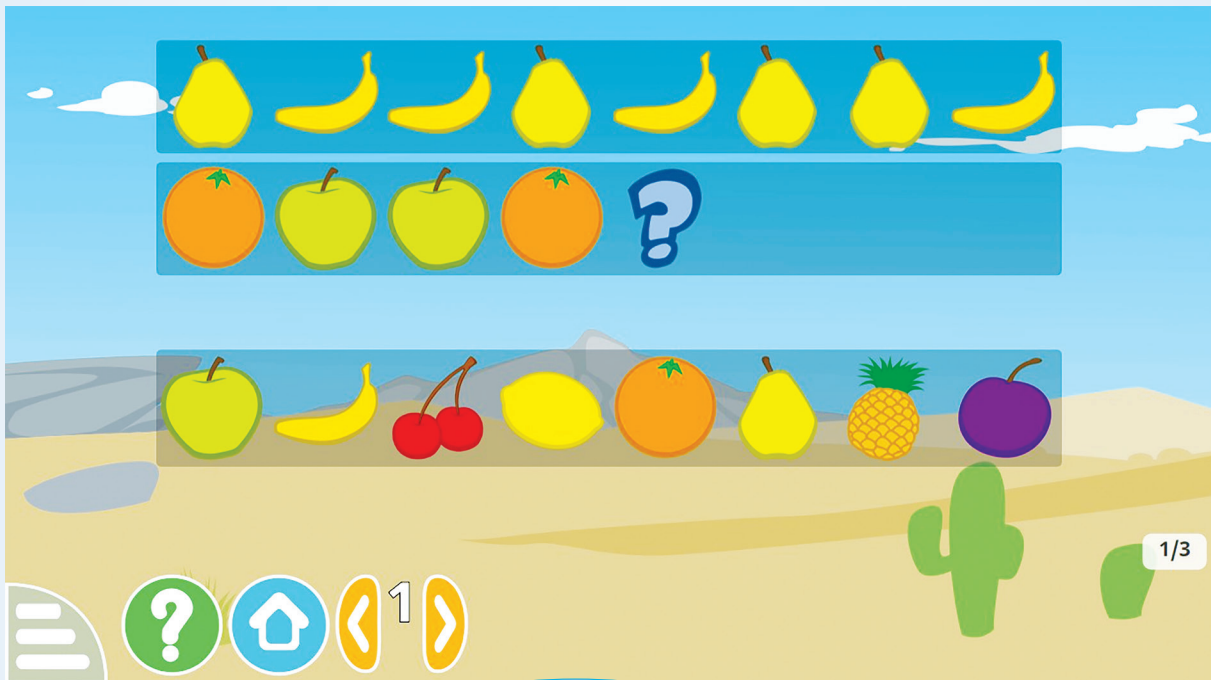
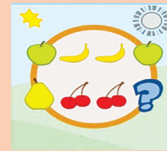
GCompris



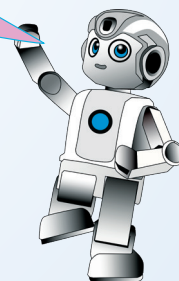
Logic



Logical associations



Take fruits from below
and complete the
second row.



You can play all the levels of this game.

4. Which Colour is it?



What all colours do you know?



Now try playing 'Colour Matching' game.



Into the Game

eduActive8



eduActiv8



Grade 3



Other



Art and color

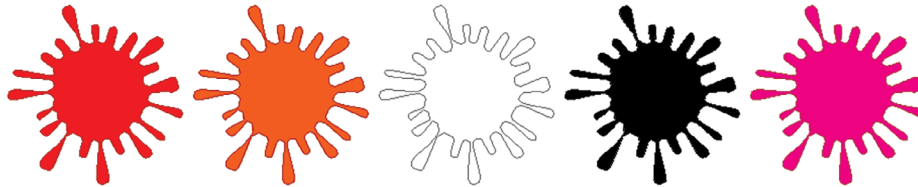


Color Matching



Color Matching
label the colors

#042/072



white

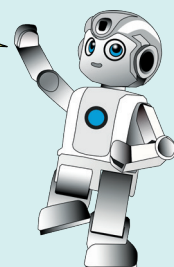
red

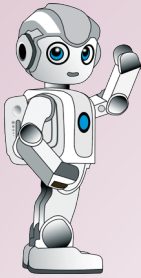
pink

black


orange

Drag the names
to the respective
colours.





You can play all the levels of this game.

After that, try the  colour matching activities of the next group.

★ ★ ★

5. So Many Shapes!



Complete the pattern of shapes.



Into the Game

eduActive8

Grade 3

Mathematics

Patterns

Shape Patterns

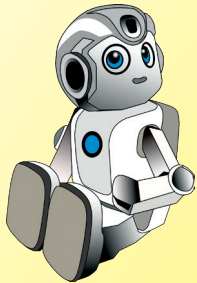


eduActiv8





Grade 3








You need to drag the shapes from the second row in such a way that the first row forms a fixed pattern.

 **Shape Patterns**

#025/213

 **2**  
1/5



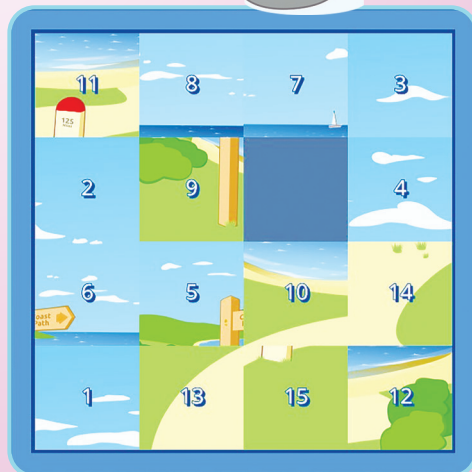
You can play all the levels of this game.

6. Let's Arrange

Let's arrange everything properly.



Shall I sort this too?

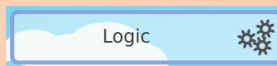


Into the Game

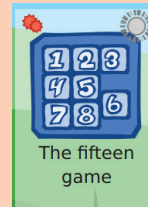
GCompris



Logic



The fifteen game



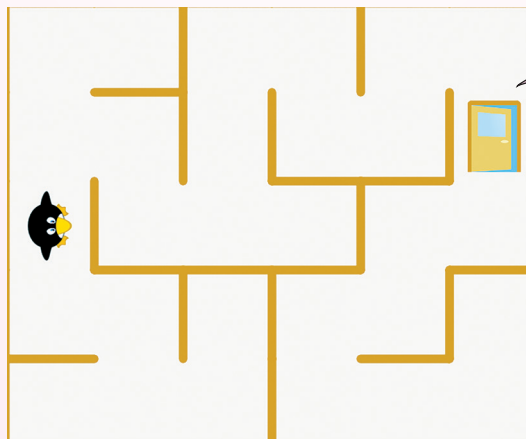
You can play all the levels of this game.



7. Let's Find the Way



Tux is also standing without knowing the way.
Shall we help?



Get Tux to door.

Into the Game

GCompris



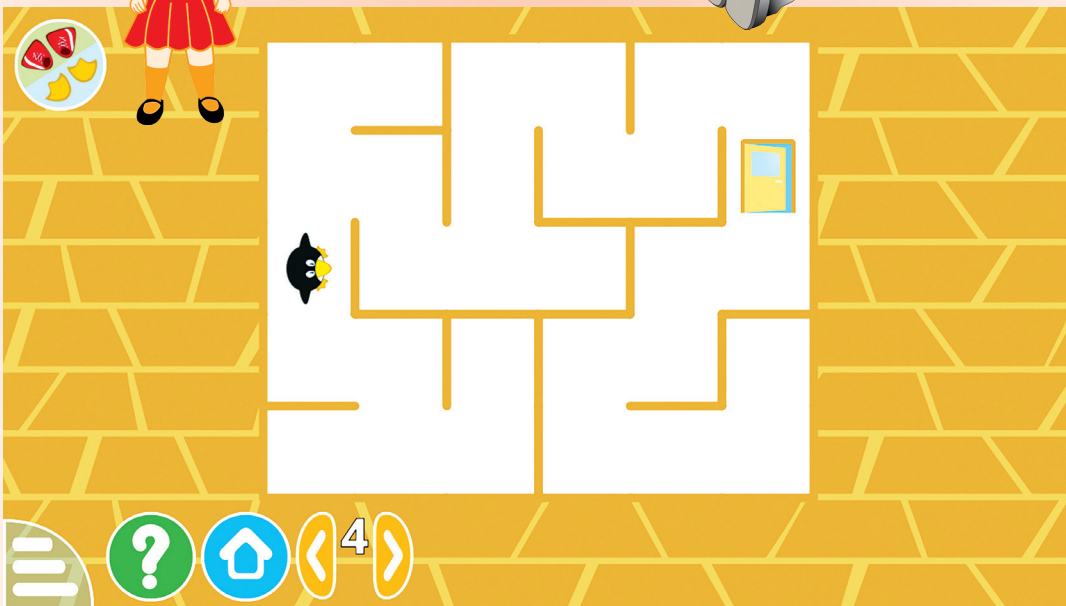
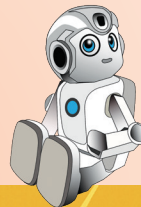
Maze



How to move Tux forward?



We can use Arrow keys



You can play all the levels of this game.



8. Let's Sort the Garbage



Amy and Varun are sorting the household garbage to put them in the litter boxes set up by the Corporation. The garbage they have collected are given below.

1	Stale vegetables.
2	Plastic cover in which fish was brought.
3	Food waste of two days.
4	Old damaged mobile phone.
5	Candy Wrappers.
6	A torn plastic bag of a textile shop.
7	Other kitchen wastes.
8	Two DVDs and the plastic cover.
9	Milk cover.
10	Damaged pendrive.

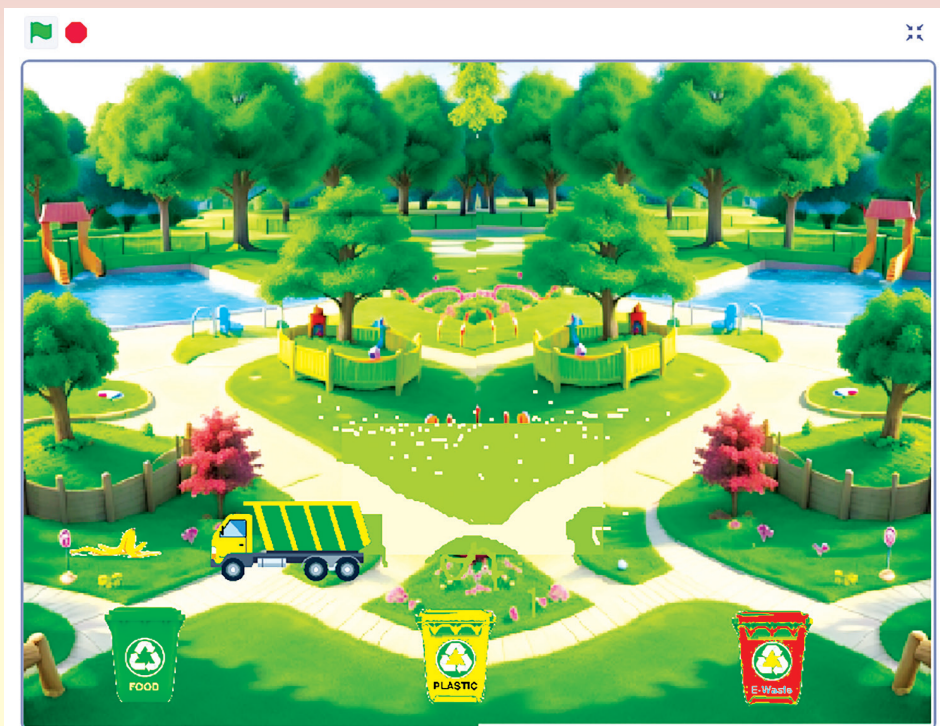
Sort each waste material separately.

How to sort these waste materials?
Help Amy and Varun.



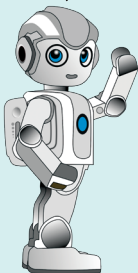
Into the Game

Waste Challenge





Collect the waste materials
falling on the ground and
put them in the boxes
provided for each.



Are you not able to
move the vehicle?
Try pressing
the arrow keys
(←, ↑, →, ↓)



9. Songbox



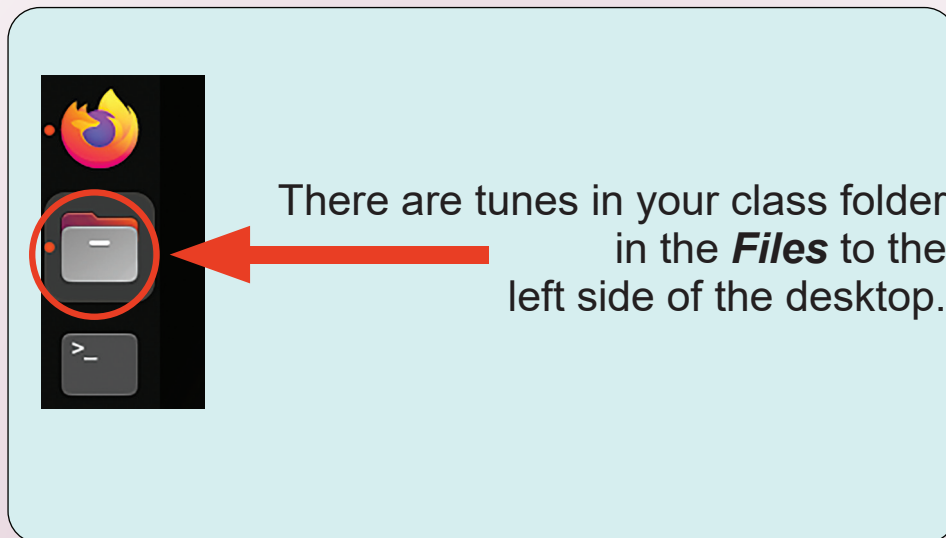
I know
this song...

Thannannam thananam
thananana....



There are some tunes
in your computer.
Listen to it...





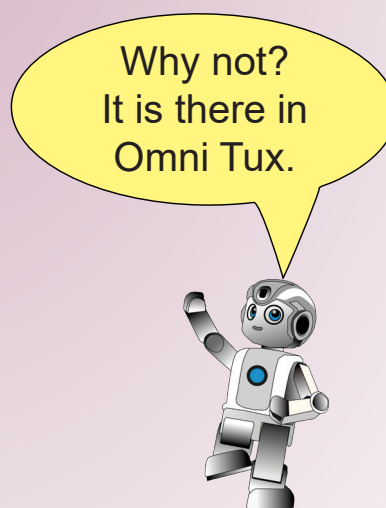
Have you heard the tunes? Tunes of which all songs did you hear?

.....

.....

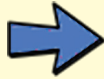
.....

.....



Into the Game

Omnitux



Arts



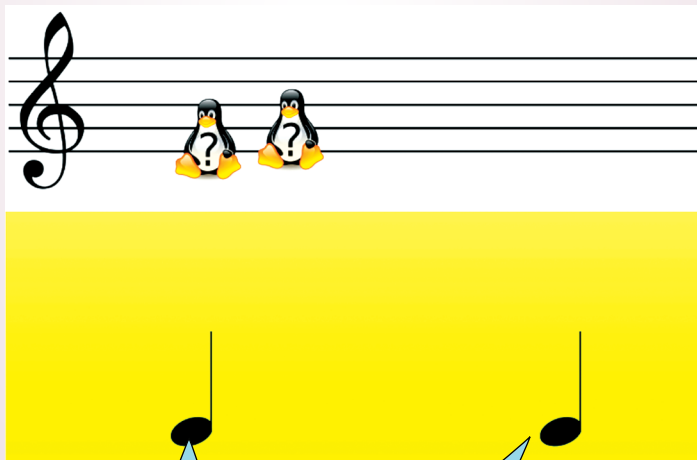
Musical scale



Let's take
this level
first.

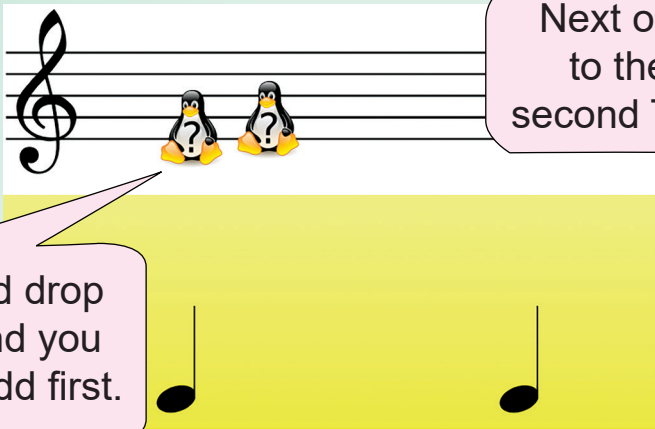


Select level





Click here and
hear the sound...

Now, find out which one you can add to the Tux first.




Next one to the second Tux.

Drag and drop the sound you want to add first.

Musical scale

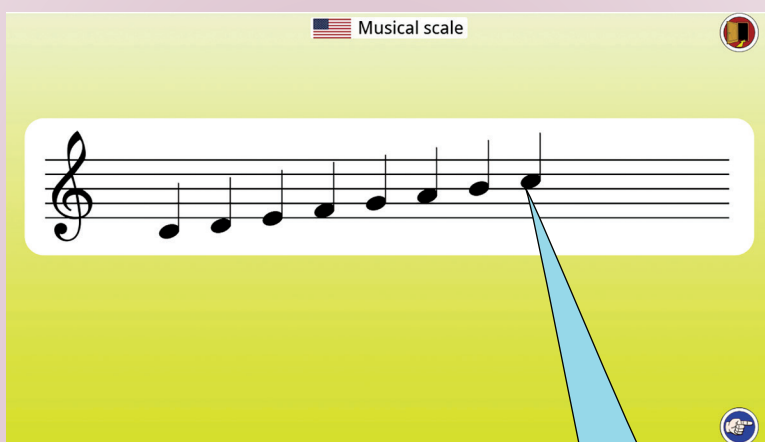


Now, click on each one and listen.

To select next levels.



Similarly, try other stages too.



Did you click
backwards from here
and listen to the tune?



10. Let's Watch the Time

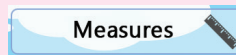


Into the Game

GCompris



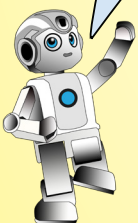
Measures



Learning Clock



Time is set by moving the needles of the clock.



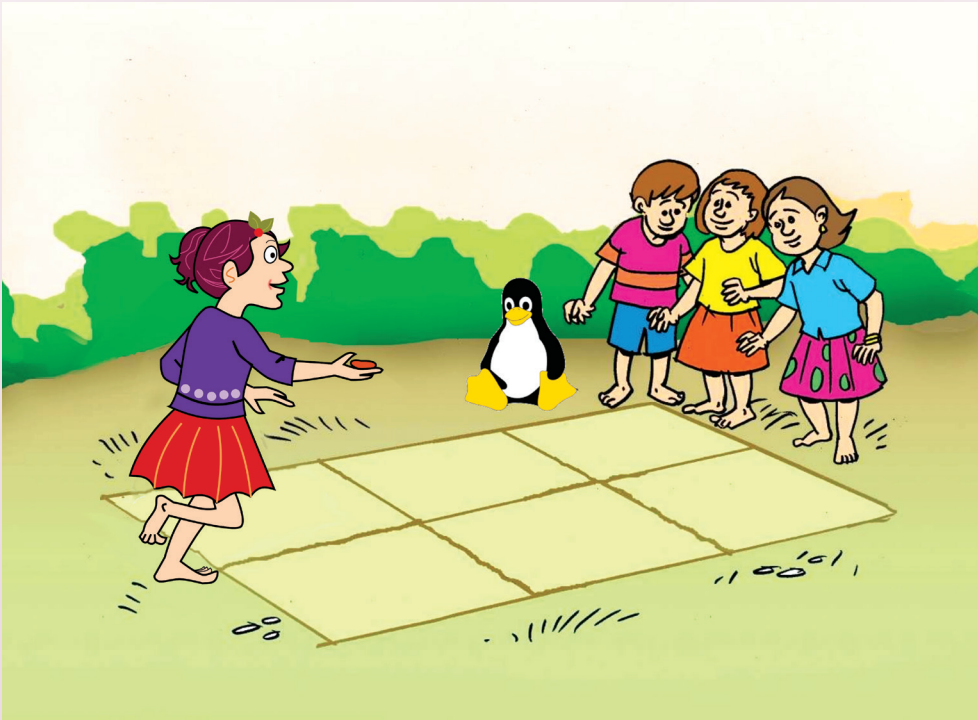
After setting up the time, click **OK**



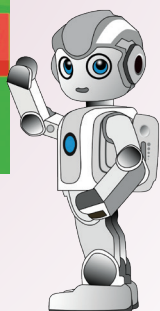
You can play all the levels of this game.



11. Play with Tux

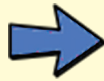


Now let's play a ball game with Tux. Here you have to be careful not to drop the ball in the last hole!



Into the Game

GCompris



Bargame (against Tux)



Click here and decide the number of balls we put. Then, click OK



Did you notice the colour of Tux's ball?





To restart the game

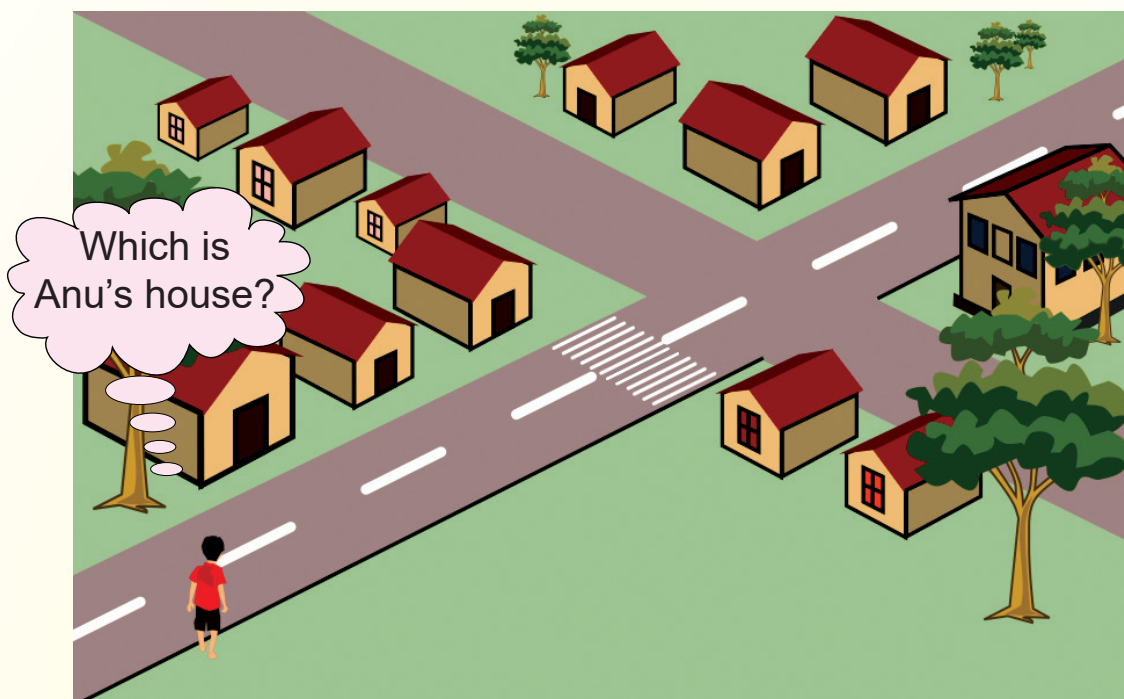


Points can be
seen here

You can play all the levels of this game.
Two of you can play the game “Bargame with friend”.



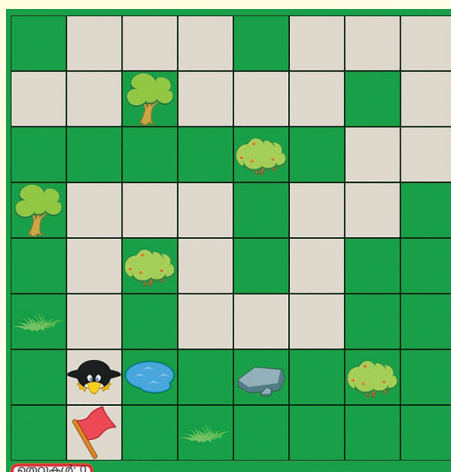
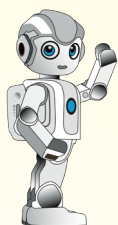
12. Let's Show the Way



Anu's house is the second one to the left from the junction which is seen after 3 houses.

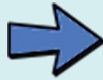
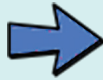


Similarly, show the way to Tux too.

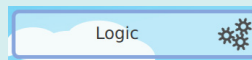


Into the Game

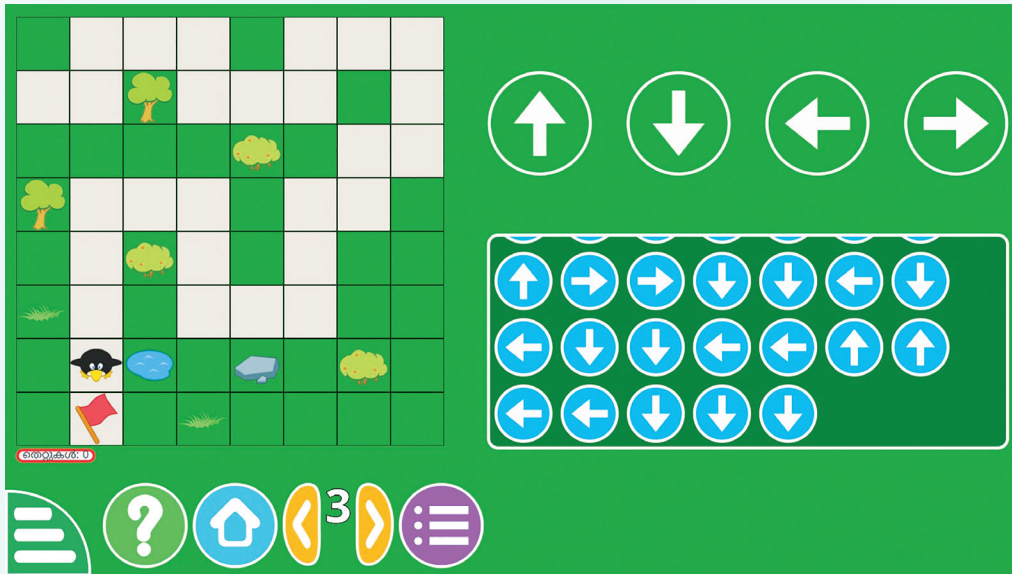
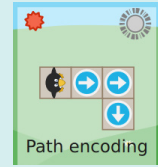
GCompris



Logic

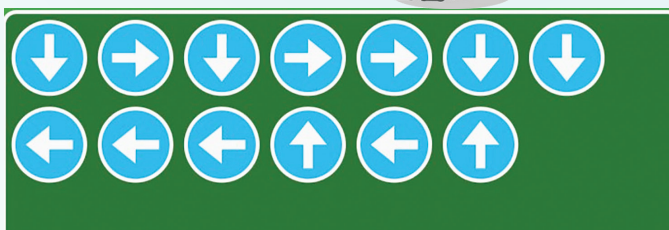


Path encoding



Use arrow keys
to show way for Tux.

We can see
the route taken
by Tux here





You can play all the levels of this game.

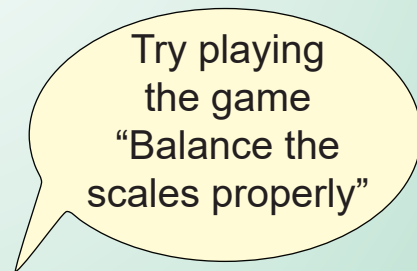
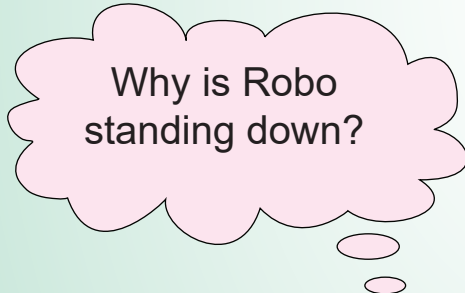


After this, you can also play the game 'Path encoding relative'.

The left, right, up and down arrow keys are to be used considering them as left, right, up and down to the Tux.

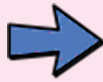
★ ★ ★

13. Let's Measure Weight

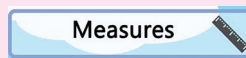


Into the Game

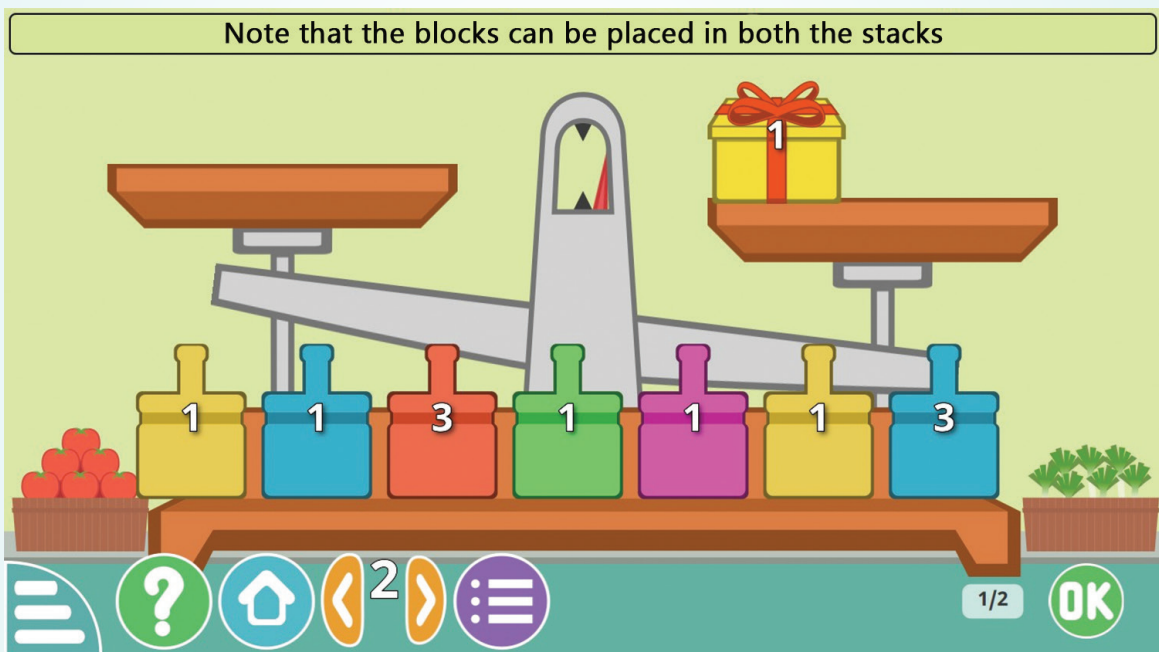
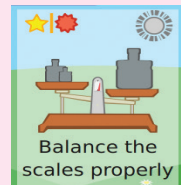
GCompris



Measures



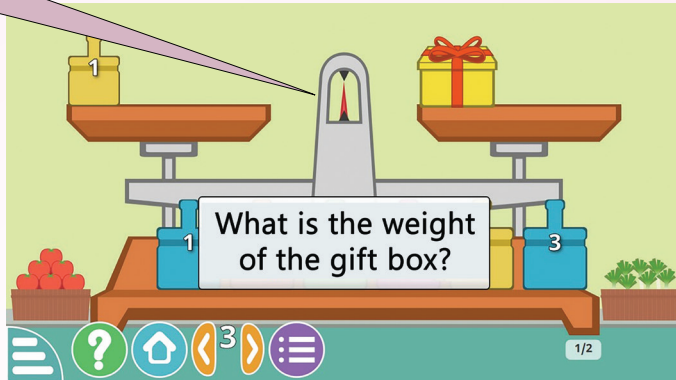
Balance the scales properly



Click OK after
placing
enough blocks.



If it comes like this, you may type the weight.

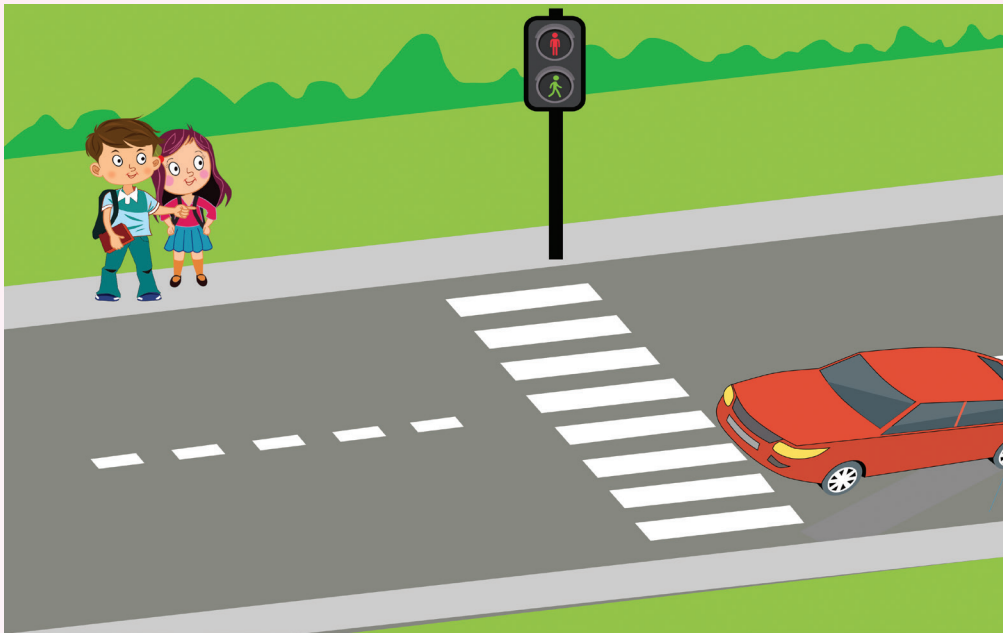


You can play all the levels of this game.



14. Ammu's Journey

Ammu and Appu are returning from school. Their house is on the other side of the road.

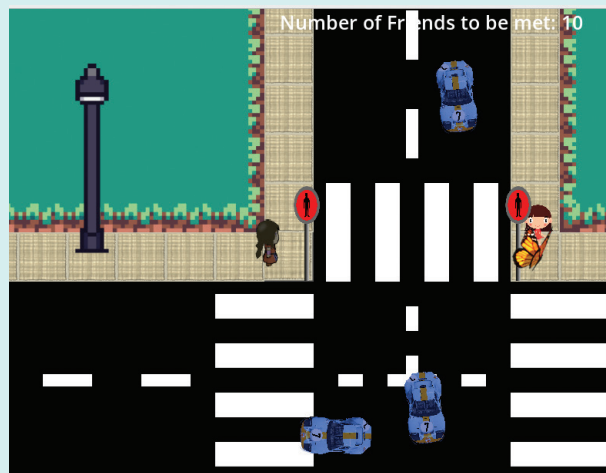


Can you help Ammu and Appu cross the road?

Try playing the 'Traffic game' in 'Playbox'.

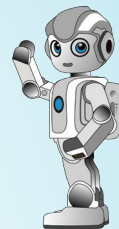
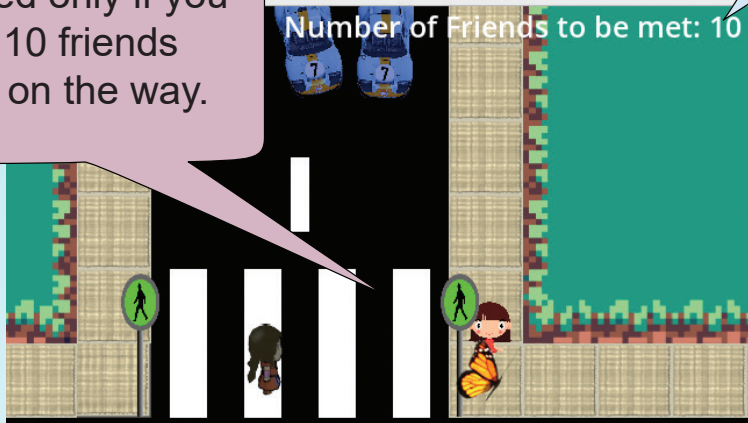
Into the Game

Traffic game



The game will be completed only if you meet 10 friends waiting on the way.

The number of friends to be met can be seen here.



Have you played the game?

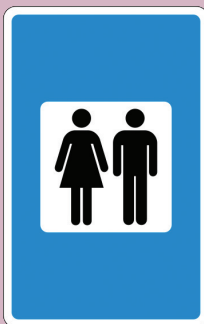
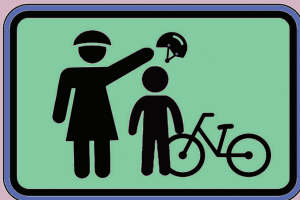
Now write down the indications related to the symbols given below.



Do not walk



Now check the following.



Toilet

Remember the
signs well.



15. We can also Draw



It is a big garden.
Grass like green silk.
Small flowers in between.
The tall trees and shrubs
covered with yellow and red flowers.
Butterflies flying around the flowers.
Humming beetles.
Birds eating fruits and singing...

How about the beautiful scene of the garden with flowers, butterflies, birds and beetles, friends...



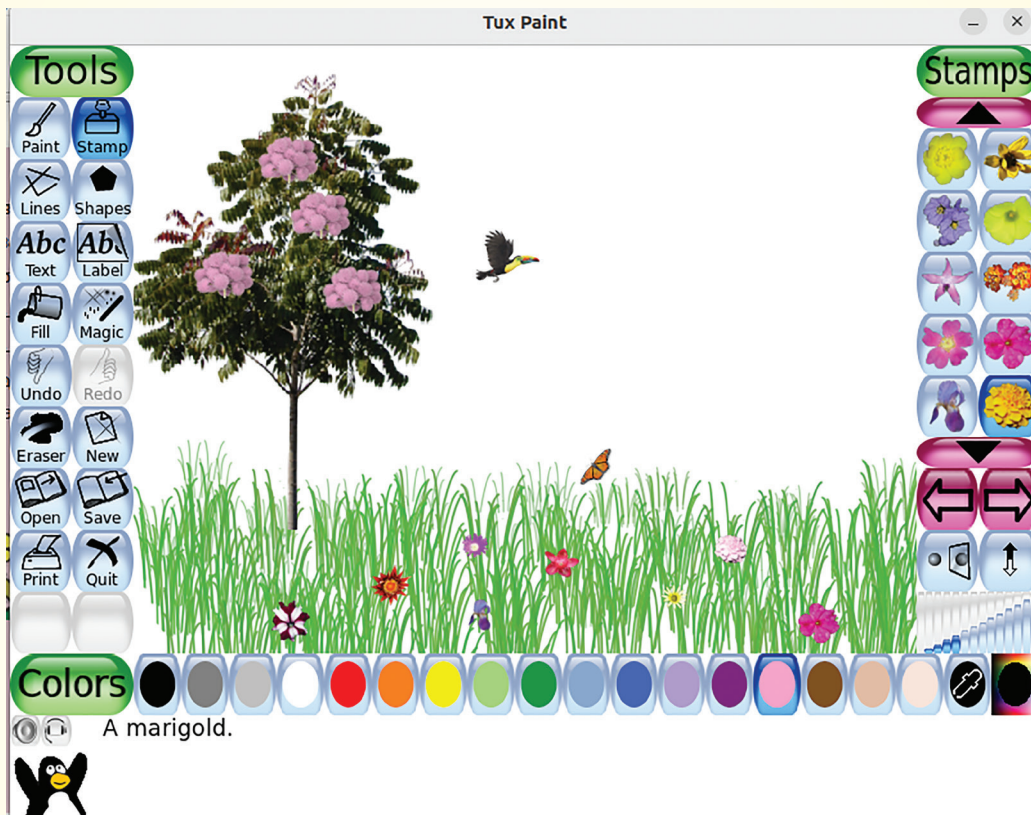
Can we draw
this scene on a
computer?

Why not?
I shall help you.



Into the Game

Tux Paint



Click here and add different stamps of birds and trees in the image.



Click here to see different types of stamps.



Click here for more pictures.



Click here to resize the image.



You can select the necessary colour for the shapes from here.

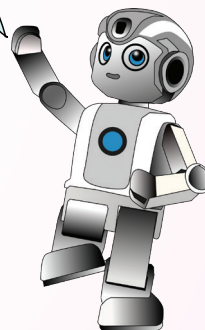


Click here and draw necessary pictures.



Use this to draw grass.

Practice with
other tools too.



Make use of various tools and draw pictures
according to your imagination.



16. Identify the District



Pooram



Boatrace

The pictures representing some festivals of Kerala are given below.

To which districts do these festivals belong to?

Write in the table below :

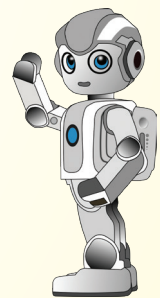
Celebration	District
Pooram	
Boatrace	

Have you found out where these districts are located on the map of Kerala?

Find out the districts from the Kerala map given below.



You have found the location of the districts.
Where is your district in the map? Which are the
neighbouring districts?



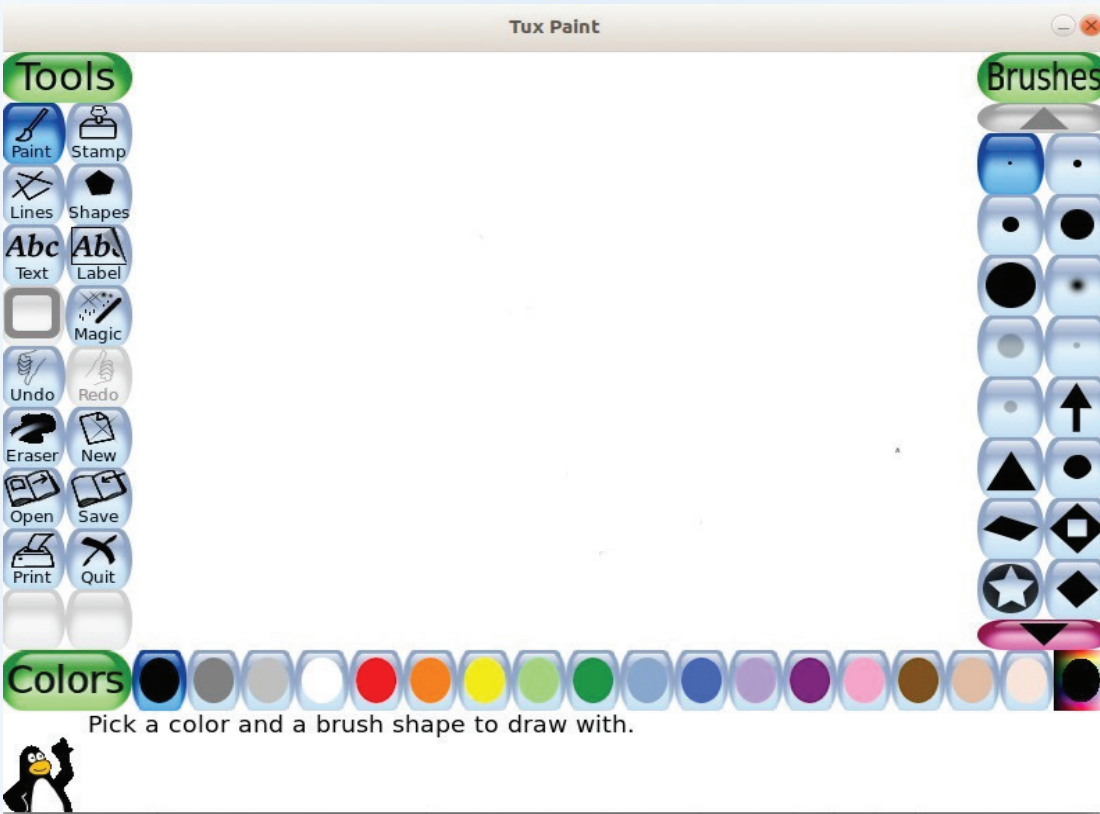
Map of Kerala is
available in
Tux Paint!



Colour your neighbouring district in Tux Paint.



Into the Game

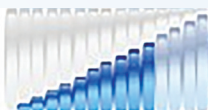
Tux Paint



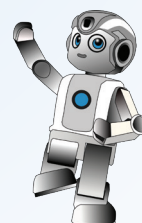
To open the map of Kerala in Tux Paint.



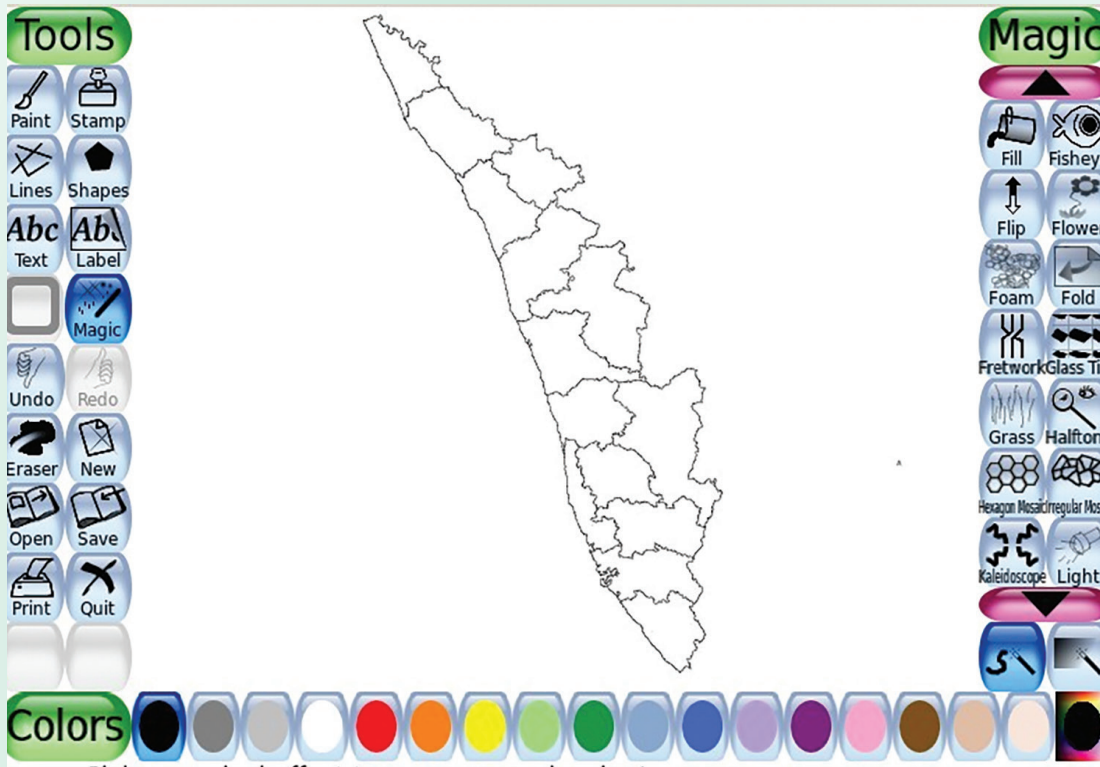
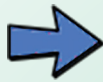
Click on this tool and using   arrow keys find out the map of Kerala and open it.



Click here to
resize the image.



To colour the districts



Select each colour and then colour the neighbouring districts.

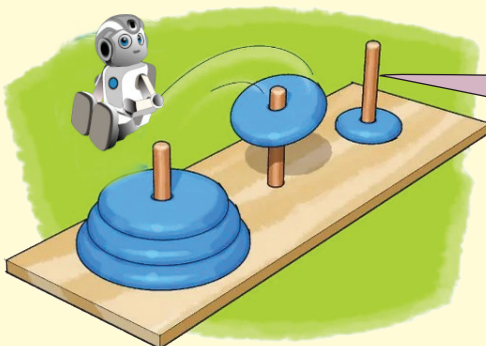


17. Hanoi's Tower

The small stone has to be placed on the top of the big one.



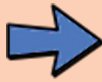
Like this, shall we arrange discs of different sizes, one on the top of the other...



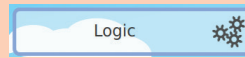
The discs from the first peg have to be moved to the third peg in the same order.

Into the Game

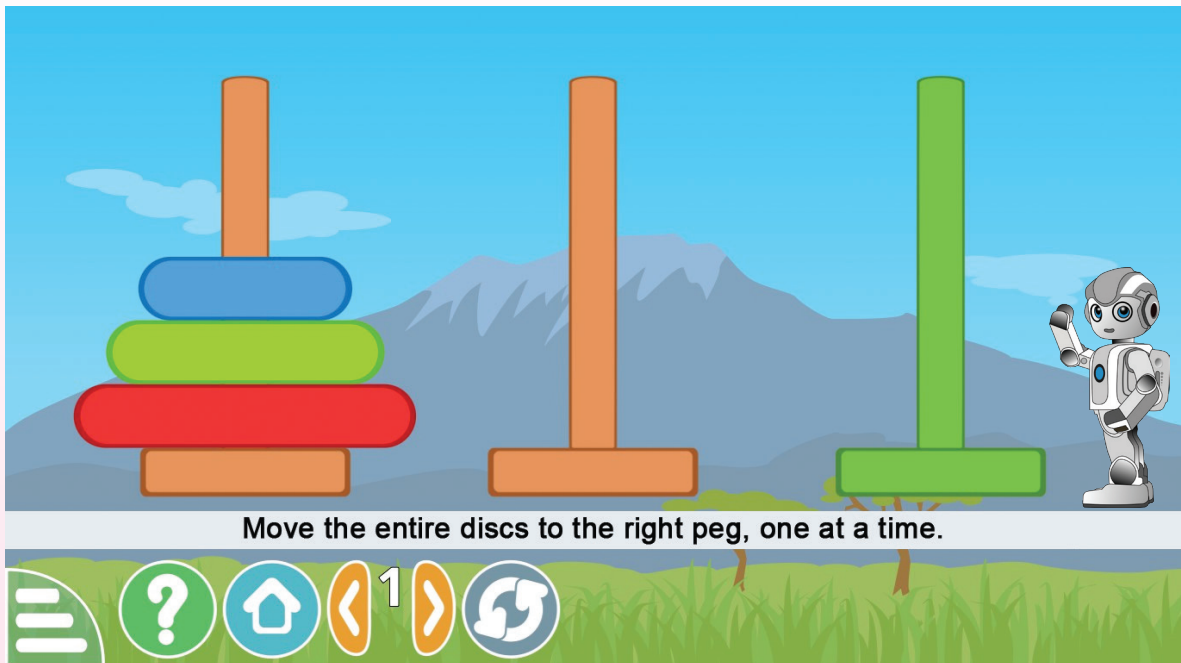
GCompris



Logic



The Tower of Hanoi



Please note,
the big disc can not be
placed on the top of the
small one.

Play the 3
levels of the
game.



To the Teacher,

Our classrooms are empowered by new technologies of Information and Communication. The learning methods using these new technologies have also been implemented in our schools. Thus, we have been able to implement the modern educational perspectives and the methodologies in our schools as well.

There is still a long way to go and with that goal in mind, appropriate content needs to be set so as to enable the best and most effective classroom communication. This textbook for Class III has been prepared foreseeing this in mind.

Each unit in this textbook is organized in such a way that children can get ideas related to different subjects through small games and simple activities. The general content of the book includes Free Software oriented Educational games which are suitable for the development of mathematics, environmental studies, language, logical reasoning, memory and computational thinking.

The 17 units included here comprises of easy and interesting activities based on Educational software like GCompris and Omi Tux for learning through games, Tux Paint to practice drawing, Eduactive8 for practising basic computations, reading, colour recognition and logical thinking.

Through the unit “**Songbox**”, an activity is presented that can be used as a supplement to art training. “**Ammu’s Journey**” is related with the concept of road safety and the chapter named “**Let’s Sort the Garbage**” brings the need of proper waste management among children through small games. “**Let’s Align the Things**”, “**Let’s Arrange**”, “**Let’s Find the Way**”, “**Play with Tux**”, “**Let’s Show the Way**” and “**Hanoi’s Tower**” units are well suitable to develop logical and computational thinking among the students.

The teacher shall find many possibilities for the entry of the lessons, motivation, and evaluation in the games and activities of this activity book. The educational games can be easily adapted accordingly for the students with special needs as well.

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. • 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"> • 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

- 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