



GUJARAT COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING



PHYSICAL TOYS

**Exhibiting School Projects
(Stand 2: Representations 22 - 40)**

Coordinator

Dr. Dipesh Asodariya

Ph: +91 98241 75618, Email: tirthdd@gmail.com

www.gcert.gujarat.gov.in/gcert/



Sr. No. 22	Toys Picture 	Toys Name Marble Run
		Model Description HOW TO PREPARE: - First take a small piece of plywood sheet. Make a border around it. Make a point to place small ten statues on one side of it. And make ten small statues of paper. Then make a small model of a ship and fit the pieces of PVC pipe in such a way that the marble can come out. HOW TO USE: - This game can be played by two players. Game Play Style (1): - Ten marbles will be given to each player. Then with the help of the model of the created ship. Then player will target the statue and get points according the number of statue he/she had knock down. Game Play Style (2): - First make different number of dots on each statue. So that the player will count the dots on the statue he/she knock down and count the points and try to get more points. Game Play Style (3): -Make any two color statues and make two hand belts of the same color. Have both players wear one belt each. And he will target the colored statue of his belt and save the other colored statue.
		Contact details NAME:- Panchal Mayuri Natvarbhai SCHOOL NAME:-Taluka Pay Center School Tharad-1 BLOCK:- Tharad DISE CODE:- 24021012402 CONTACT NUMBER:- - WHATSAPP (IF ANOTHER):- - E-Mail:- mnpanchal1985@gmail.com

Sr. No. 23	Toys Picture  	Toys Name Mangamtu Gadu (Favourite Cart)
		Model Description HOW TO PREPARE:- First of all, two wheels of plastic glass were prepared by taking the husk of a strong carton, then two oxen of the carton were made and the oxen were glued to the carton with the favicol, thus the educational catch cart was prepared. HOW TO USE:- Many of the possibilities of education have been introduced in this line. My mind also enjoys making a children's chariot. This chariot highlighting Indian culture is very wonderful. Both wheels of the cart are made of plastic glass. In it, a small child will stop crying as soon as he sees his face. From there, the child's joy journey will begin. He will play with different facial expressions in the glass. His mind will be amused. In this way, the opposite, the word synonyms, the reading words, the simple addition, the subtraction examples are reversed, so that the reflection in the glass is reversed, adding to the joy in the learning process and increasing the speed of memorization. Then the invention of the wheel and the old- fashioned way of transport can be explained by carts. The circumference, diameter, center point, etc. of a circle can be explained in geometry from the two wheels of the cart. The axis of the cart can be explained by the axis of the wheel. Thus, the concept of a self-reliant India has been introduced by making the learning process very easy and simple.
		Contact details NAME:- BARAD RAMESHBHAI DHANJIBHAI SCHOOL NAME:- KUMBHAN KENDRAVARTI SCHOOL BLOCK:- MAHUVA DISE CODE:-24141107101 CONTACT NUMBER:- 9925733391 WHATSAPP (IF ANOTHER):- E-Mail:- baradramesh11@gmail.com

Sr. No. 24	Toys Picture  	Toys Name TOYS: BEST OUT OF WASTE
		Model Description HOW TO PREPARE: - sharpener with cleanliness: using empty plastic boxes and attach sharpener beneath box. using empty Match box loaded truck: join two match boxes with stick Thermocoal air rounder: To attach blade with cup and drop it in the air. Paper whistle using paper sheet and pencil. Round the paper on the pencil with cap. Dancing doll: to cut paper as the shape of doll. Using stick bottle and the doll's paper body. straw with rounder: cut the straw in the middle, and paste the both side of straw. Second straw cut in in front side and put the big one. Blow the air. Bottle air pump: Make hole in the bottle cap, then paste balloon chips on bottle cap. Bottle water boat: with empty bottle make the boat using waste equipment. Than attach motor and fan than boat is running. Magic match box: Using two colors thread and match box. Bottle air gun: Using rubber ring and bottle. HOW TO USE: 1. It's all the toys use for entertainment 2. its use for teacher for teaching tools 3. for any project
		Contact details NAME:- :- Maheshkumar M. Dafda SCHOOL NAME:- Sanatan Dharm High school BLOCK:- SV5.2 DISE CODE: 24140504405 CONTACT NUMBER:- 94 26 96 66 53 WHATSAPP (IF ANOTHER): 94 26 96 6653 E-Mail:- maheshkumardafda109@gmail.com

Details of Toy

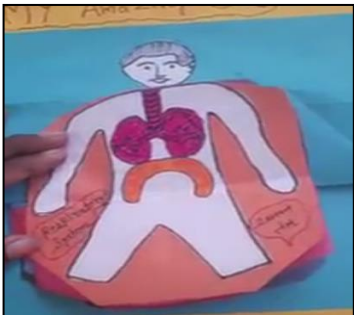
(Toy Category : Physical Toys)

Sr. No. 25	Toys Picture	Toys Name Clay Toys
	 	Model Description To make clay toys, you can take clay from a nearby pond or farm and make it wet and give it different shapes. Different sections such as wheelbarrow, wheelbarrow, vegetables, birds, fruits, cooking utensils, vehicles, sports equipment, Numerical numbers, spiritual and home decoration toys can be made. Concentrated power develops in children. Making toys helps children to use their fingers. Increases childrens imagination. Children make it on their own, it is a special pleasure. It takes time to make toys, the toys have to be specially maintained, so patience is a must. Small-large, up-down, thick-thin learn quickly from clay toys. Different sections are identified.
		Contact details Name: - Vanabhai Prabhubhai Vadekhania. School Name: - Rojid Primary School Mobile number:- 9624194261 E-mail address: vanabhaipv1981@gmail.com

Sr. No. 26	Toys Picture  	Toys Name DIFFERENT TYPES OF PUPPETS Model Description HOW TO PREPARE Puppets There are many types of paper puppets. Such as Stick Paper, Finger Puppets, Shadow Puppets, Shock Puppets, Talking Puppets, 1.Stick Puppets: Stick Puppets can be a direct demonstration of the story. A story or lesson can be presented to children. 2.Finger Puppets: Finger puppets can be used to identify animals, birds and country leaders. As well as play can be presented through it. 3.Shockup puppets: Shockup puppets can accurately identify different animals as well as demonstrate the story. Shadow Puppets: These puppets can be used to represent different animal figures using the light on the wall with the help of fingers. 4.Talking Puppets: These puppets can be used as puppets made by waves to give the impression that animals are talking. 5.Magnet Puppet: Puppets corresponding to the band in the story can be moved from one place to another as a magnet is placed under the puppet. Through it the children demonstrate the story with entertainment. HOW TO USE In puppets use through story, poetry as well as hoi Lessons on paper direct demonstration paper Puppets. Contact details NAME :- GOSAI KINJALBEN DAHYAGIRI SCHOOL NAME :-CHOSALPURA PRY SCHOOL BLOCK :-NASWADI DISE CODE :-24320403601 CONTACT NUMBER:-9106377696 WHATSAPP (IF ANOTHER):- E-Mail :-kinjalgosai13885@gmail.com
-----------------------	--	--

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 27	Toys Picture  	Toys Name LEARNING YOG BY HUMAN BODY STRUCTURE AS DOLL, PHOTO CUBE, HUMAN BODY ORGAN SYSTEM
		Model Description We use human body structure (Doll) to show them “Surya Namaskar” 12 postures and to show them how organ systems look like and to understand how yog is helpful or affected to all organ systems. Photo cube toys used for understand and to know different types of yogasana and their postures. So the students can understand the value of Yoga.
		Contact details NAME:- HEMALKUMARI RAJENDRAKUMAR RANA SCHOOL NAME:- SHREE C. N. BAXI SARVAJANIK VIDYALAYA, JABUGAM BLOCK:- BODELI DISE CODE:- 24320602204 CONTACT NUMBER:- 9427518484 WHATSAPP (IF ANOTHER):- 9427518484 E-Mail:- hemalrakesh72@gmail.com

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 28	Toys Picture 	Toys Name scrabble and playing cards.
		Model Description HOW TO PREPARE:- <u>Scrabble</u> First of all take empty bottle caps then stick different colour papers on the bottle cap. Then write alphabets on it in 4 different colours. Ready four boxes for four colour alphabets.



Playing cards

First of all take chart sheet and got it in the size of playing cards Then draw or stick the different picture on the half of the cards Then write down the words according to picture on other half cards. Make this type of cards for English Sanskrit and Hindi language

Make different boxes for English Sanskrit and Hindi.

HOW TO USE:-

Scrabble

When play this game give different colour alphabet box to players

They make spelling turn by turn

They have to write new spelling from last alphabet of the the further spelling

In this way who use more alphabets is winner.

Playing cards

Two or more than two students can play this game

Put all cards backward

Then turn by turn they open one by one card and make pair of the cards.

In this way who make more pairs is winner.

Contact details

NAME:-Goswami Bindiyaben Ramesh bhai

SCHOOL NAME:-Shri suryavadar primary school

BLOCK:-Kalyanpur

DISE CODE:-24290307101

CONTACT NUMBER:-8160486258

WHATSAPP (IF ANOTHER):-7874137733

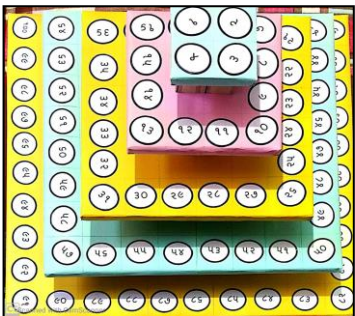
E-Mail:- bindiyagoswami80@gmail.com

Details of Toy

(Toy Category : Physical Toys)

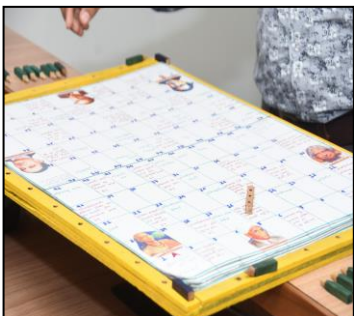
Sr. No. 29	Toys Picture  	Toys Name Railgadi (The Train)
		Model Description These toys made by an empty plastic can of oil and a charkhi . It is named "Train". One compartment of the train have pictures and the other compartment has alphabets. Children will use this train to learn the alphabet using pictures, words and numbers. The Children will arrange the frant boxes as they see the picture and enjoy doing something new . Similarly, he will learn the alphabets with the use of matchbox, read the sentences by arranging the puzzle and also speak the numbers, create new words with the help of chakras.
		Contact details Name of the participant : - Ninama Mukeshbhai Mansukhbhai Name of the School : - Shri Kharapani Primary School Cluster Name : - DungriTaluka : - Zalod Mobile Number : -9913475517 E-Mail : - mukeshninama200@gmail.com

Sr. No. 30	Toys Picture  	Toys Name Multiple Creative Carrom
		Model Description With the help of his toy the students can easily learn the basic of English subject as well as 1 to 15 spellings. Gain a complete understanding of clock time or a sense of spellings through a picture of the playing seasons. The student can gain in sight with spellings about four directions learn irregular words present and past forms by method of questions answer synonyms. Multiple creative can also flexibly cove a number of issue by covering another issue after the child has learned it.
		Contact details NAME:- Patel Darshanaben P. SCHOOL NAME:-Mohiyana Tadav Primary School, Taluka Lunawada, Dist. Mahisagar Mobile no. 7016566301 E-mail: darshanapatel795gmail.com

Sr. No. 31	Toys Picture	Toys Name Numerical Pyramid
	 	Model Description How to make : Make large to small square pieces of wastage wooden. Paste drawing sheet on it arrange all the square pieces of pyramid as shown in the picture and write the numbers from 1 to 100, 500, 1000. Make one dice for the students and also make colorful flag with cookers. How to use this toy/ game : In this game , students have to climb up / climb down the numerical pyramid. The teachers and students can make the rules of this game as per their wish.
		Contact details Name: sushma karshanbhai padaya What`s up number: 7990175324 Name of school : Sheer Nekanam girls school - Ta. Tankara , Dis. Morabi Email : sushmasankalp8@gmail.com

Sr. No. 32	Toys Picture	Toys Name Rotating Pencil
		Model Description Process of making - First take a square piece of hardboard. Place a thin wooden stand on them. Keep a magnet at their ends. Now take one pencil, apply a magnet at one end of them and keep the other end unattached. The upper magnet and the uneven lying of the magnet at the end of the pencil, placed down the pencil, and by rotating it, it rotates without any support. Roll the pencil between the balls. Keep the light next to the ball that is falling on the ball How to use toys: The toy pencil is rotated without any awe, which causes mystery in the child. Why does this happen? Tej begins the process of thinking in it. The pencil is rotated by magnets. Both the two of the magnets can be easily explained. Also, by lighting the ball on the rotating ball, the earth moves with night and day understanding, not the sun, it is easy to explain to the child.
		Contact details Name: Dalsaniya Vijay Maganbhai Mo.No. - 9979312794 Email - vijay.dalsaniya008@gmail.com Name of the School- Sabharawadi Primary School, Morbi



Sr. No. 33	Toys Picture  	Toys Name MULYANKAN NA MAHARATHI.
		Model Description HOW TO PREPARE:- First make a frame with a hard board measuring 2×1.5 feet and strips of the same size. Drill 30 holes on this frame with a drill machine at a distance of 5 cm. Prepare by hardening the hardware. Make pieces of wooden strip measuring five cm from another wooden strip 30 nos. Prepare a dice for the game. Prepare two cookers to take. Put a hundred boxes in the seat of Putha. Prepare two parts with 50, 50 boxes. Now select the topic and write 15 questions and 15 answer boxes in the 50 box part. Similarly in the second part write 15 questions and 15 answers in the box. This question and answer is to be written separately in 50 boxes. Insert pictures corresponding to the subject in the remaining boxes. Write the name of the subject and lesson in the first box. Write the study conclusion of that unit in the box number 50. Now arrange this cardboard seat in a wooden frame. And start the game. HOW TO USE:- The game contained in this toy can be played by two students. Arrange the prepared cardboard seat in a wooden frame. Have a game pass and a wooden stick ready. Now a student will take the stakes and pass. The cooker will move forward according to the number that comes up. Then another student will take the stakes. And if the cookie appears in the box where the question is written, the student will find the answer to the question in the box above and put his cookie in the answer box. And thus the correct answer is to own a hole in the frame. The side will raise a stick. Thus the student who plays the game and reaches the box number 50 first becomes the winner. And how many sticks he has raised shows his true answer.

		Contact details NAME:-KHODAJI HAMIRJI THAKOR SCHOOL NAME:-PRIMARY SCHOOL BHORAMALI BLOCK:-SAGBARA DISE CODE:-24200303801 CONTACT NUMBER:-6353405653 WHATSAPP (IF ANOTHER):-7046686905 E-Mail:-khodaji1234567890@gmail.com
--	--	---

Details of Toy

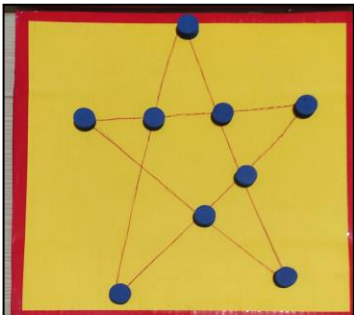
(Toy Category : Physical Toys)

Sr. No. 34	Toys Picture  	Toys Name RAHENT CHAKRA
		Model Description HOW TO PREPARE AND HOW TO USE: - First make a hole in the lid of the bottle and put a wooden rope in it. Then take a big lid and line it in ten equal parts and make a hole in it and make a hole in the middle and fit a wooden rope so that a ten-pointed wheel will be ready. Now take three thin strips of identical measuring wood and make two holes at equal distances in each strip so that it can be easily rotated. Fit all three wooden bars in a way that the wheel can rotate with another wooden bar at the bottom. Fitting this prepared part with the tray. Then take a plastic bottle and drill holes in it from top to bottom. Fit the hose in the lid attached to the water filling wheel. Take a roll of paper and thread it in the upper part of the upper part of the piece other than the wheel of the wooden strip to fit a roll of paper with the text or picture corresponding to the subject. Then stick the end of the roll of paper with the rotating cord along the axis of the wheel. To create. Now turn on the water through the bottom hose of the bottle. The water will start spinning in the lid attached to the edge of the water wheel and the roll of picture or text paper will automatically rotate in the other part of it. .

		In this way a beautiful fun action toy of Rhent Chakra will be prepared. This toy can be operated by water and also by hand after running out of water. A multi-purpose toy for children's self-study can be designed to be useful for children of all ages if the information written on the paper is rotated by a small electric motor powered by a small battery in the children's toys.
		Contact details NAME:- PATEL MAHENDRABHAI RANCHHODBHAI SCHOOL NAME:- KHANPUR PRIMARY SCHOOL BLOCK:- VANSADA DISE CODE:- 24240504301 CONTACT NUMBER:- 9998684521 WHATSAPP (IF ANOTHER):- 9998684521 E-Mail:- mpatel15577@gmail.com

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 35	Toys Picture  	Toys Name Various types of toy and Puzzles Model Description HOW TO PREPARE:- Toy 1.. Cut out an empty soda bottle, combine the two lids with cellotape, drill a hole in the middle of the lid. Toy 2.. Attach the empty matchboxes to each other with cellotape. Toy 3.. Take a one foot piece of stick that is hollow from the inside. Put the bicycle axle in the cavity. Nail the opposite side. Pair with rubber. Toy 4... Draw different puzzles in the cardsheet.. Toy 5... Cut small and large rounds from the scraped wood and fill between the rods. HOW TO USE Toy 1. The string can be turned with a rope. Toy 2... You can play like a spring at a fair .Educational games can also be played. Toy 3. Can be given to children in Diwali.
---------------	---	--

		Toy 4. Different puzzles can be given to the students to solve. This will increase their reasoning power. Mathematics can be made interesting. Toy 5. These puzzles can be played to develop mental strength.
		Contact details NAME:- JETAVAT MAHIPALSINH SAJJANSINH SCHOOL NAME:- SHREE TIDANA PRIMARY SCHOOL BLOCK:- MULI DISE CODE:- 24080605101 CONTACT NUMBER:- 9714212474 WHATSAPP (IF ANOTHER):- E-Mail:- tidana.snr.muli.muli1@gmail.com

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 36	Toys Picture  	Toys Name Different Balloon toys
		Model Description HOW TO PREPARE:- Balloon car :- first we take a bottle and make four holes for tire and than we use bottle buch for making tire with help of straw we make hole on the top of bottle and end part of it than we take straw and tight a balloon with help of rubber band and thus our balloon Car will be ready. Balloon Boat :- first mark the out line of the boat shape on thermocol sheet than cut it with help of cutter ,apply glue on triangle of rubber pice ,fix a balloon on short end of flexible straw with help of rubber band ,place the short end of the straw on the triangle and tap straw now boat is ready Balloon fountain:- first take a bottle and make four holes on the upper part of the bottle than put four straws in those four holes, and fill the bottle with water than inflame the balloon on the top of bottle and thus our balloonfountain is ready. Balloon Rocket:- first from a card sheetmake double

	rocket on the fold at the top apply some glue and stick a straw . the straw will form a kind of bearing through which you can weave a thread. Now weave a thread throw the straw and than apply glue and stick a rocket onto itself sow that it look nice and color full both side the thread passes throw straw now your rocket is ready. Balloon pump :- first take a bottle and make a hole on the surface of the bottle and make a small hole on the buch of the bottle and stretch-out the balloon on it and tape the end of the balloon. The starch balloon acts as a valve and thus balloon pump is ready Balloon chakardi :- first take a straw and fix a balloon on the small end of the straw with the help of rubber band and make a hole with pin and fix it on the top of pencil now our Balloon chakardi is ready. Balloon Bugle:- first take a balloon and mark an arc and cut with scissors a small portion will be removed and there will be a hole in the balloon now cut a bottle from the top it will be like funnel now place mouth the bottle inside the balloon starch the hole of the balloon on the bottle mouth and than tie it with rubber band and take plastic pipe than place it in the mouth of balloon and tie the rubber band thus balloon bugle is ready. HOW TO USE:- Balloon Car: - In a balloon car, first inflate the balloon through the straw, put a finger on one end of the straw and take special care that the air does not come out. Balloon Boat: - First inflate the balloon boat through the straw, put a finger on one end of the straw and take special care that the air does not come out, then put the balloon boat in the water and move the finger so that the balloon boat will move forward. Balloon Fountain: - Filling a bottle of water in a balloon fountain by inflating a balloon on the butch of the bottle increases the pressure inside the bottle and water will come out from the straw in the form of a fountain. Balloon Rocket: - Fill the balloon with air through the straw in the balloon rocket, put a finger on one end of the straw, take special care that the air does not come out, then move the finger by filling the rope in the straw above and the balloon rocket will move forward. Balloon Pump: - By placing a balloon across the top lid of the balloon pump which will act as a valve, pressing the thumb on the bottom hole of the bottle and pressing the bottle, air will enter the bottle and the air will enter
--	--

		the balloon through the valve of the butch and the balloon will inflate. This way the balloon can be inflated by a balloon pump. Balloon chakardi: - Take a straw, tie a balloon at one end of it, make a hole in the middle of a slightly curved straw at the other end, pass a pin through it, put it in the rubber part of the rubber pencil, fill the balloon with air and release it. Contact details NAME:- Mali Amit Rajendrasinh SCHOOL NAME:-Handod Primary School BLOCK:- Karjan DISE CODE:- 24190402701 CONTACT NUMBER:- 8780940681 WHATSAPP (IF ANOTHER):- 9898798733 E-Mail:- amitmali170383@gmail.com
--	--	---

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 37	Toys Picture  	Toys Name Toys of Colours
		Model Description How to prepare : Made by wood shapes Make squares, shapes with colours How to Use : Identify the main colours and also make mixed colours and identify it. See the frames of dark to light colours and identify it. Listen the voices and make pairs of it. Contact details Teacher Name : Binduben B. Rathod School Name : Shree Daxinamurti Bal Mandir Block : Bhavnagar Whatsapp No. : 9428637474 Email Address : dipadholakia74@gmail.com

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 38	Toys Picture 	Toys Name Toys of Shapes Model Description How to prepare : Made geometry wooden shapes Made geometry iron shapes How to Use : Match the shapes Draw the shapes and make designs. Arrange the same shapes in shape boards. Contact details Meghaben N. Chauhan School Name : Shree Daxinamurti Bal Mandir Block : Bhavnagar Whatsapp No. : 9428637474 Email Address : dipadholakia74@gmail.com
-----------------------	--	---

Details of Toy

(Toy Category : Physical Toys)

Sr. No. 39	Toys Picture 	Toys Name Toys of thread Model Description How to prepare : Different wooden shapes with whole of animals, birds, shapes, fruits, vehicles, etc. Different silk and cotton threads and tight with wooden toys. How to Use : Tight the thread with wooden toys of different objects.
-----------------------	---	--

		Make a design of objects by threads. Contact details NAME:- Panchal Mayuri Natvarbhai SCHOOL NAME:-Taluka Pay Center School Tharad-1 BLOCK:- Tharad DISE CODE:- 24021012402 CONTACT NUMBER:- - WHATSAPP (IF ANOTHER):- - E-Mail:- mnpanchal1985@gmail.com
--	---	---

Details of Toy

(Toy Category: Physical Toys)

Sr. No. 40	Toys Picture  	Toys Name Toys of Gijubhai's breaks, tiles and Frobel squares Model Description How to prepare : (1) Wooden rectangle shapes block / breaks of colours. (2) Wooden geometrical shapes of plywood. – Small and big colours shapes. (3) Wooden Square blocks with different colours. How to Use : (1) Make Table, home, pyramid, train etc. by the use of colourful bricks. (2) Make different tiles designs with the use of colourful ply tiles. (3) Make pyramids, squares, designs from Frobel square.
-----------------------	---	--

		Contact details Bhav nab en Nakiya School Name : Shree Daxinamurti Bal Mandir Block : Bhavnagar Whatsapp No. : 9925124727 Email Address : dipadholakia74@gmail.com
--	--	---

