



OUR PROJECT JOURNEY ON

THE LANGUAGE OF MATERIALS

CALENDAR 2016



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school

THE LANGUAGE OF MATERIALS

Children at Redbricks Junior (2 year to 5.5 year olds) conducted 5-week research projects on **Boxes, Bottles, Pipes and Fabrics** in September 2015. The projects were conducted through a pedagogical approach called “The Project Approach” in three phases. In the first phase, children wondered about their chosen material, shared prior knowledge and experiences, and raised questions for further investigation.

In the second phase, children conducted investigations inside and outside school, to find out about the origins, properties and uses of their material. They visited museums, factories and shops; had first hand explorations with the materials; interacted with experts; read books and saw videos; engaged in class discussions; collected different types of their material; etc., to develop their understanding.

During second phase and third phase, children decided to create various products from their chosen material. Teachers facilitated this process of creation by leading children through a design thinking cycle – visualizing their product, prototyping through drawings and smaller models, creating the final model and organizing for sharing with the community in an exhibition. The projects ended in a three-day community exhibition at Kanoria Art Gallery, Ahmedabad.

This calendar is a collection of the images of 3D models created by children through the projects, which showcases their imagination and design thinking skills.

Note to the reader - The understanding and skills gained by children through the “process” of research and making these “products” is immense, and is much beyond what can be justified through the limited space in this calendar.

www.redbrickseducation.org | info@redbrickseducation.org | [/RedbricksEducationFoundation](https://www.facebook.com/RedbricksEducationFoundation)

Content and Editing by:
Renita Handa, Founder, Redbricks Education Foundation

Design by: **Tushar Afuwale**, Designer at Abellon Group Studio

Published by:
Redbricks Education Foundation, Ahmedabad
October 2015.



An **Abellon Group** Initiative

redbricks | Junior | redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org | /RedbricksEducationFoundation

Boxes: A Train by Playgroup

Playgroup children started stacking boxes as soon as they were introduced. They started pretend play and arranged them in various formations like a train. From there emerged the idea of making a big train like the Toy train of Thomas-the tank engine. Children created and assembled all the boxes as train engine and coaches. To decorate, teachers helped them to do various forms of printing - roller printing, palm printing, bubble wrap printing, etc., across all the coaches.



2016

January

S	M	T	W	T	F	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





Bottles: A Doll by Nursery

Nursery children of one class decided to make a Doll from bottles. They visualized the structure of the doll through drawings and clay models. After that they painted various bottles, used bottle caps, and created the entire structure of the doll. They decided on giving it various features such as hair, eyes, nose, frock, etc., using different materials. In the end emerged a beautiful doll from their collective imaginations.



2016

February

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

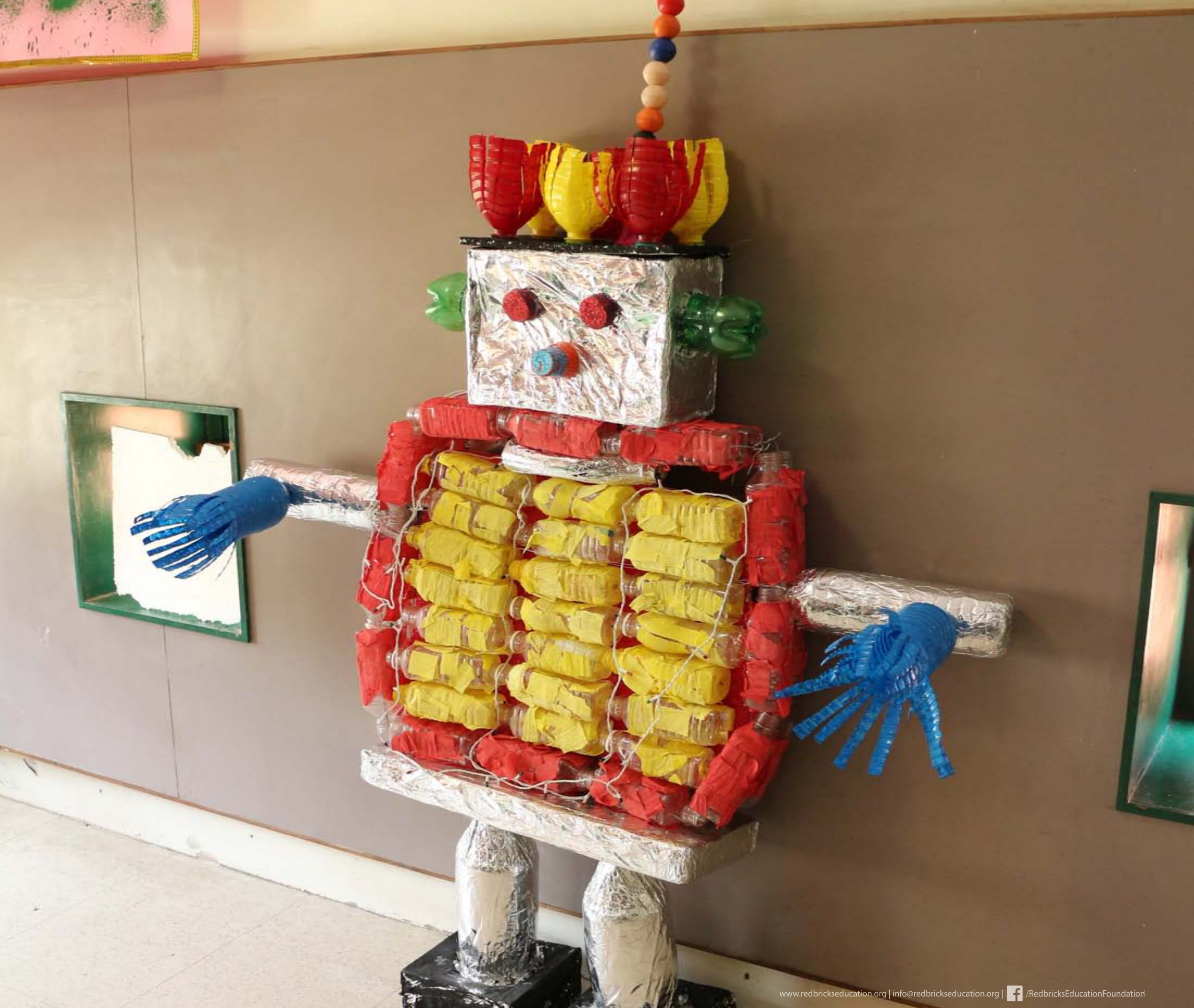



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

Bottles: A Robot by Nursery

After seeing videos of bottle products, one class of Nursery decided to make a Robot out of plastic bottles. They represented their ideas through clay models and talked about how their robot would look like. A child said - "Hum colouring Robot banayege, square stomach, aur dhakkan se eyes banayege." (We will make a colourful robot, with a square stomach and eyes with bottle lids). They painted plastic bottles, cut and pasted paper, used boxes to create the body, bottle caps to create the eyes, and assembled all the parts to create a life size Robot from their imaginations.



2016
March

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org | /RedbricksEducationFoundation

April 2016

Bottles: A Bus by Nursery

One group of Nursery class created a Redbricks School bus using yellow painted plastic bottles. The bottles were mounted on a thermocol structure and strung together using wire by children. They stuck the bottles to the structure using a glue gun with teacher's assistance. Finally, children created wheels, windows, doors, number plate of the bus to make it real-life.



S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30




An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

Bottles: A Hut by Nursery

All Nursery children made a common model of a bottle hut using lots of plastic bottles. The teachers and children jointly decided on the look of the hut- number of walls, its size, type of roof, etc. Children decorated bottles in different ways for their walls- paper pasting, printing, painting, filling with pebbles, etc. Teachers helped them by creating a big bamboo frame on which children hung the bottle strings with teachers' assistance. The roof was made by laying hay on a huge cardboard sheet.



2016

May

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				




An Abellon Group Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

Pipes: A Swing by Junior Kg

Junior kg children had visited a garden to see different play equipment in cylinder shapes and that inspired them to make swings out of pipes. Children selected UPVC pipes after multiple interactions with the plumber. These were selected as they could be easily fit together using different pipe joiners. For the swing structure, children created blueprint drawings and smaller clay models, based on which the plumber cut pipes in different sizes. Children decorated the pipes with palm printing and spray printing. To make the seat of the swing, a blue colored tire was created and hung using bendable rubber pipes.



2016

June

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		




An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

2016
July

Pipes: A Table and Chair by Junior Kg

After seeing a video of pipe products, one of the Junior Kg classes decided to make a table and chairs. They measured the length of the chair they have in the class to use that as reference. They created blueprints and mini prototype models out of straws, visualizing their actual models. They created the actual structure using UPVC pipes, cut and joined together with elbow pipes, with teachers' and plumber's assistance. To create a base for the chairs and the table they used thick strings and wrapped them around the structure.



S	M	T	W	T	F	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org | f /RedbricksEducationFoundation

Pipes: A Christmas Tree By Junior Kg

One of the Junior Kg class children decided to make a pipe wall collage in the shape of a Christmas tree. Having explored pipes of different sizes and dimensions in their project, children started assembling them together. A smaller prototype was first made to see how it would look. For the final collage, children used a thermocol sheet as the base, coloured the pipes green and mounted them on to the base. They also placed their favorite toys in the hollow spaces of the pipes. They finally decorated the Christmas tree with the various art products they had made from cylindrical materials.



2016

August

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org | /RedbricksEducationFoundation

Pipes: A Water Fountain By Junior Kg

Having seen a water fountain at Science City Energy Park, Junior Kg children decided to make a fountain from pipes. They designed their own fountain and finalized its materials and mechanism with the plumber. They faced many challenges in the creation process that had to be solved. The final fountain emerged with SS Aluminum and rubber pipes fitted with rotating wheels. The motor mechanism recycled the water continuously in the fountain. The fountain was placed inside a children's pool, along with a dancing doll, a lotus, and a swan created by children.



2016

September

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org | RedbricksEducationFoundation

Fabrics: A Book Shelf by Senior kg

One of the Senior Kg classes decided to make a book shelf out of fabrics. The book self was designed in a way that every child in the class had his/her own pocket to create. They individually designed their pocket first on the paper and when satisfied, on the actual piece of cloth. They learnt and used various fabric design techniques such as tie and dye, patch pasting, painting, embroidery, etc. Each child created his/her own pocket and these were sewed together on a big fabric base along with the teachers' help.



2016
October

S	M	T	W	T	F	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29




An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

2016

Fabrics: A Quilt by Senior kg

One of the Senior Kg classes decided to make a Quilt out of fabrics. Children first made a prototype of the quilt cover incorporating everyone's design and how they will place them. Once their arrangement was done, the children with the help of the teachers, created their part of the quilt cover and designed the fabric using different techniques like embroidery, patch work, tie and dye, painting, warli painting, etc. The quilt was then filled with cotton and sewed by the teachers.



November

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			




An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





www.redbrickseducation.org | info@redbrickseducation.org |  /RedbricksEducationFoundation

Fabrics: A Curtain by Senior kg

This group of senior kindergarten children wanted to have thorough experience of using various fabric design techniques. The teachers and the children decided on making a curtain showcasing various designing techniques learnt in the project. Children worked on different techniques with teacher's assistance using tie and dye, warli, madhubani, embroidery, patch work, printing with indigenous materials, etc., to create various pieces/panels of the curtain. Then, the teachers sewed the designed fabric pieces together into one big panel to create a common beautiful curtain.



2016
December

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



An **Abellon Group** Initiative

redbricks | Junior

redbricks | school





Fabrics: A Puppet Theatre by Senior Kg

Across all the Senior Kg classes, children made different puppets out of fabric pieces they had in their classroom. They even named their puppets cinderella, mother, etc. Their interest in making puppets led them to take a step higher and the puppet theatre came in existence. The children decorated a big refrigerator box keeping the themes of the stories they had created in mind. The decoration items were also made out of fabrics like fabric cut-outs of trees, flowers, curtains etc. The puppet theatre was made so that children could use it to tell stories to the visitors at the culminating exhibition.



2016

Credits

CHILDREN INVOLVED IN THE PROJECT

PLAYGROUP

Aanya Shah
Anay Gupta
Chhaavi Radia
Devaarth Brahmabhatt
Dhwani Goyal
Dravya Shah
Gobind Sachdeva
Harshit Thakkar
Janya Gupta
Jihan Shah
Jyoti Mehta
Kabir Das Thakkar
Kiyansh Shah
Krishav Agarwal
Krishiv Pujara
Mahika Singh
Mishita Math
Ria Parikh
Rishva Dodhiwala
Samar Lakum
Sara Oza
Shaurya Parate
Shaurya Shah
Vivaan Parmar

NURSERY A

Aarjav Garg
Aarush Agarwal
Achyut Agarwal
Ansh Vekariya
Arnaam Reengusia
Avashya Shah
Avyaan Desai
Kashish Gurnani
Keshav Aggarwal
Medha Agarwal
Nia Makwana
Pheona Patel
Sarthal Gulati
Siddhartha Hasija

NURSERY B

AarnaSaraf
Aarush Nair
AbhimanyuMeghani
Aditya Bhatt
AnantvijayRathore
Arhaan Shah
Jenny Thakkar
KrishitaKhamar
Kushagra Dhaka
Maahin Shah
Madhava Dave
Parv Shah
PrachiBosamia
Prisha Gandhi
Ritisha Bajaj

NURSERY C

Aarav Duggu Gupta
Aarna Bhardwaj
Ananya Patel
Devanshi Thakkar
Het Chokshi
Het Parekh
Hriday Tibrewala
Krishiv Dave
Mantra Shah
Neevan Ganju
Peehu Mandavat
Prihaan Shah
Priyanshi Bansal
Samarth Sharma
Samyakh Kumar

JUNIOR KG A

Aanya Govani
Aada Arora
Aditi Shrivastava
Annika Gupta
Ansh Chopra
Arham Vora
Arya Vir Sharma
Debangana Dey
Dia Mehta
Diksha Parikh
Hiya Agrawal
Jahal Patel
Mauli Patel
Medhansh Dholakia
Shreya Nair
Vedanshi Pandit
Zenil Patel

JUNIOR KG B

Daksh Ajwani
Helly Desai
Krishna Hujare
M H Amulya
Manav Desai
Mihika Lavavanshi
Myra Mistry
agji Thakore
Nirmay Bhardwaj
Param Patel
Prathamesh Gomber
Sanchi Dave
Sanvi Patel
Savya Bhatt
Shayaan Shaikh

JUNIOR KG C

Aahaan Kothari
Aarav Beel
Aarav Choudhary
Aarav Jobanputra
Aarna Kaul
Anishka Saksena
Diya Chokshi
Kanak Rathi
Khanak Shah
Lakshya Prakash
Mit Shah
Naisha Vora
Piya Ranka
Srushti Barbhaya
Tarashi Soni
Utsav Bhatt

SENIOR KG A

Aaditya Raval
Aanshi Shah
Aayush Yadav
Ayan Mistry
Dwij Patel
Jakhay Parekh
Jaywardhansinh Gohil
Jhanvi Gohil
Jiya Partiwala
Manbir Banvet
Muskan Khatri
Navya Pamnani
Nayansai Peddiraju
Slesha Barevadia
Srishti Mazumdar
Sumedha Nath
Vansh Patil
Yana Shah
Yashvi Jivrajani

SENIOR KG B

Aarya Patel
Akshita Iyer
Anvi Sinha
Ashna Gaurav
Atharv Vedpathak
Charitra Mehta
Dhyanaa Parikh
Hriday Mehta
Jheel Makwana
Jiya Shah
Lavanya Bali Matta
Mihir Shah
Ojasvini Singh
Palash Wagh
Prajayraj Singh
Renan Fernandez
Rewa Malhotra
Sachi Shah

SENIOR KG C

Aadvika Sood
Adbhut Adeshara
Angel Dharaiya
Daksh Arora
Diya Patel
Grishma Patel
Jaitra Prajapati
Manasvi Rathi
Mehar Narang
Myra Daruwala
Nishka Nagpal
Reyansh Khemka
Rudra Vala
Saanvi Saundh
Samaira Patel



An Abellon Group Initiative

redbricks | Junior

redbricks | school



ACKNOWLEDGEMENTS TO THE TEAM & COMMUNITY

FOR THE CONCEPTUALIZATION OF THE PROJECTS & EXHIBITION

MRS. RENITA HANDA, Founder and Director- Academics, Redbricks Foundation
MRS. HIRAL DHOLAKIA, Principal, Redbricks Junior
DR. SHRUTI BHARGAVA- Academic Mentor, Redbricks Foundation
DR. JIGISHA SHASTRI - Academic Mentor, Redbricks Foundation

FOR MAKING THE PROJECTS & EXHIBITION POSSIBLE-

REDBRICKS JUNIOR TEACHERS

Aayushi Patel (Playgroup)
DhruviKokhani(Play group)
Dhruvika Mehta (Jr. Kg A)
Divya Furtado (Jr. Kg A)
JinalKapasi (Nursery A)
Juhi Patel (Nursery B)
JignashaMakwana (Sr. KG A)
Kajal Shah (Sr. Kg B)
KrishnakaliDey (Jr. KG C)
Mittal Raval (Nursery A)
MallikaGahlot (Jr. KG C)
Meghna Singh (Art Educator)
Mudita Belani (Curriculum Coordinator)
Pooja Shah (Nursery B)
Puja Raval (Nursery C)
PriyaSant (Jr. Kg B)
PratibhaTodawal (Sr. Kg B)
PoojaKapur (Sr. Kg C)
ShitalChhaparia(Playgroup)
Shefali Patel (Nursery C)
Shimoli Seth (Jr Kg B)
Shuchita Sharma (Sr Kg B)
ShikhaVerma (Sr KG C)

ADMIN, MARKETING AND DESIGN TEAMS

AayushiDevpura
AnkitaRamani
AnushaNagrani
Alpesh Patel
JitendraParmar
Manoj Kothari
Manish Modi
Sangeeta Punjabi
Saurabh Gupta
Suresh Chauhan
TusharAfuwale
Umesh Patel
ViratTokle

FOR MANAGEMENT SUPPORT

Mr. Raj Kumar Joshi
Mr. AmitJani

For Inspiring Us Towards Innovation and Quality Education:
MR. ADITYA HANDA, Founder of Redbricks Foundation and The Abellon Group

ACKNOWLEDGEMENTS TO THE COMMUNITY

Our heartfelt gratitude to all the places we visited in Ahmedabad and the resource people who came to our school during the project:

CLASS

Playgroup
Nursery

Junior Kg
Senior Kg

FIELD TRIP LOCATIONS

-
X-illiant packaged drinking water site-Vastrapada
Ashoka Food and Beverages

Science city- Energy Park
Gandhi Ashram
Mangalya Shop-Satellite

EXTERNAL RESOURCE PEOPLE VISITING OUR CLASSES

Mrs. Rani Bumrah - Hobby ideas

Mr. SureshChauhan - Plumber and electrician
Mr. Bosamia - Mangalya Shop - on site support

LAST BUT NOT THE LEAST... A SPECIAL THANKS TO ALL THE REDBRICKS JUNIOR PARENTS

Thank you for donating all the waste materials for use and for continuously encouraging us!!