



PROJECTS & ACTIVITIES

January to March



RED GROUP

Thand Ki Rani

ठंड के मौसम के आने पर बच्चों को ठंड के मौसम से जुड़ने और उनसे रिश्ता बनाने के लिए **“ठंड की रानी”** परियोजना का चयन किया गया। इस परियोजना के माध्यम से बच्चे ठंड के मौसम, सर्दियों के कपड़ों, मौसमी सब्जियों और फलों तथा ठंड में आने वाले त्योहारों के बारे में जानेंगे। यह परियोजना बच्चों को सब्जियों से दोस्ती करने, इंद्रियों के विकास और अनुभव के माध्यम से सीखने में मदद करेगी।



Children playing Dukan Dukan

लक्ष्य (Aim)

- सर्दियों की सब्जियों से दोस्ती करना
- सब्जियों और फलों के नाम जानना
- भाषा विकास को प्रोत्साहित करना
- इंद्रियों (देखना, सूंघना, छूना, स्वाद लेना) का विकास करना
- विभिन्न संस्कृतियों और त्योहारों से जुड़ाव बन



Children grating carrots



Making vegetable puppet



Garden visit



Peeling and eating peas

Ongoing Project - मेरी कहानी

In this process children are telling stories like, puppet story, sandpit story, display board story and blocks stories.



Puppet Story Telling



A decorative border of various flowers and green vines surrounds the central text. The flowers include pink, orange, blue, and red blossoms, some with yellow centers. A small red butterfly is visible in the bottom right corner of the floral arrangement.

BLUE GROUP

Pattern and Design

Aim: To introduce children

- to shapes,
- -classification of objects,
- Sequencing,
- understanding pattern through activities, and
- to encourage them to identify patterns in their surroundings,
 - nature, and
 - daily routines.
- To familiarize children with numbers through stories and games like “Number Friends.”



Process- In Initial mathematics, children were introduced to shapes, classification of objects, sequencing, and pattern understanding through play-based activities. They were encouraged to observe patterns in their surroundings, nature, and daily routines. Through stories and games like “Number Friends,” children were also introduced to numbers in an engaging and meaningful way.



ACTIVITIES

Matching / Sorting:

Children arranged toys and objects according to their “home” (proper place). For example, wooden items were kept together, and kitchen items were placed in the kitchen area.



Classification:

Children grouped objects based on color, shape, and material (wood, plastic, metal, cloth, paper, glass).



Seriation (Sequencing):

Using their five senses (touch, sight, hearing, smell, and taste), children arranged objects in order—such as small to big, light to dark, soft to rough, slow to loud sounds, based on smell, and taste (sweet, sour, salty, spicy).



Number Introduction:

Children were introduced to numbers through stories and songs (such as “One is the Sun”) and developed familiarity with numbers as “Number dost”



A decorative border of green vines with leaves frames the top, bottom, and sides of the page.

GREEN GROUP

Night stay

The objective behind the night stay in the Ashram premise was to develop the following qualities in the children-

- To foster confidence and independence.
- Encourage independent thinking and decision making.
- To build confidence in handling challenges, whether they are physical or emotional.

Ashram Night Stay

First time, we took responsibility of our own belongings.



We visited various department of the Ashram and learnt how they function.



We enjoyed playing various games with the Yellow group Didis abd Bhaiyas.



We went looking for the lion and excitedly heard its roar echoing around us.



Vatika Night Stay

We happily fed grass to the goat. We saw colorful butterflies sipping nectar from the flowers.



All of us friends happily enjoyed the rides together.



We watched the full moon shining brightly in the sky.



A decorative border of colorful flowers surrounds the text. The border consists of various flower shapes in shades of green, yellow, orange, purple, blue, pink, and white, arranged in a repeating pattern along the edges of the page.

YELLOW GROUP

BYCYCLE

Bicycle riding is one of the important life skills that can be learn in this age group. The weather was also suitable for cycling. So, the topic 'Cycle' was taken up. Making friends with the cycle as an instrument, taking care of it, and handling it sensitively were also objectives of this topic.

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The children physically observed the cycle and learnt the names of its different parts in Hindi and English. The children were involved in removing and fitting the various parts of the cycle to build a deeper understanding and connection with it. Involving them in this activity by touching the parts made them happy, which led them toward enthusiasm to work on the language development. They learnt how the various parts help the cycle move and function. They heard the history of the development of cycle, followed by a discussion on why the cycle has been changing. They shared how new things were added for the convenience and the usefulness of the people. The discussion led them to make a design for a new cycle of their own ideas. Each of them designed their cycle. Some children's cycles were flying, some were riding on the snow, some others had four seats, some had a cover to protect from rain, cold and sunlight. Each child tried to make a poem on his/her cycle.





Now it was children to ride actual cycles in the playground. The majority of them had learnt to ride it before, so they could ride it with confidence, being independent. A few others were learning it for the first time. They needed help. Practising on different surfaces of the campus, including slopes and zig-zag pathways, made their riding experience enjoyable.







ORANGE GROUP

COLOUR

The aim of taking up this topic was that this group of children like colouring work very much. We felt that they needed to know more about colours and also to observe how colourful our world is.

During this topic, the children were encouraged to explore colours through observation, experimentation, and creativity. The activities were as follows:

Activity by Students

Mixing different colours to see what new colours were formed



Churning different fruits, flowers, and vegetables to observe how colours are naturally formed



Colour wheel making



Nature walks to observe and collect colours from their surroundings and create a colour wheel using leaves and flowers



Playing with a prism to observe how white light separates into different colours



Chromatography art on tissue paper



Placing a mirror in water in front of sunlight and observing the formation of rainbow colours



The children enjoyed this topic, and it infused enthusiasm in them.

Overall, this project opened space for curiosity, discussion, and creativity. It helped nurture their sense of observation and developed an appreciation for the colours around us.



IDEAL GROUP

Constitution of India

Aim:

- To introduce children with the meaning and thought involved in the word itself, first “the constitution” then “of India”
- To inculcate the values of life beginning from “family” and then at “School” to build the foundation at this age
- Learning to be experiential, not reading, or speaking only.

Method of Work

- Use of the right time preparing for 26th January, “The Republic Day”, when the country is busy with it.
- Involving parents to make children observe the program and be involved in “Home Constitution making.”
- All children make a book on home constitution
- Children work on knowing their 'needs' and ‘rights' in their life situation, and also think about their duties.
- How to be free from self-interest and think in a wider way to make a 'rule' to live in harmony with others. (through discussion, real-life situations, examples, and stories)

- Children read 'The Preamble of our Constitution' written by Leila Seth. It was simple and up to their age level to comprehend.
- They understood that rules are made in the society to live in harmony. It begins from home and gets extend to countries and the world. Each of the child designed his/her home constitution. Here given the constitution designed by Suhani for her family members. **“Rules as values of life begin from here”**
- Through this learning experience, Suhani gained valuable knowledge about the importance of rights and duties, the historical and cultural significance of national symbols, and the values of it in the Indian Constitution.

Constitution of our House

CONSTITUTION OF OUR HOUSE

We the Guptas of E-140, having lovingly resolved to make our house into a loving, kind and happy place and to make all its members and visitors feel loved and safe in this house and with each other.

FAIRNESS, EQUALITY - Everyone should feel equal and be treated just the same.

CONSIDERATION, KINDNESS - Everyone's thoughts and feelings should be kept in mind.

FREEDOM - Everyone should be free to express their own views.

TOGETHERNESS – Stay together and support each other through all situations of life.

ON THIS TWENTY-SEVENTH DAY OF JANUARY,
2026, WE HEREBY ADOPT AND GIVE TO
OURSELVES THIS CONSTITUTION OF OUR HOUSE.

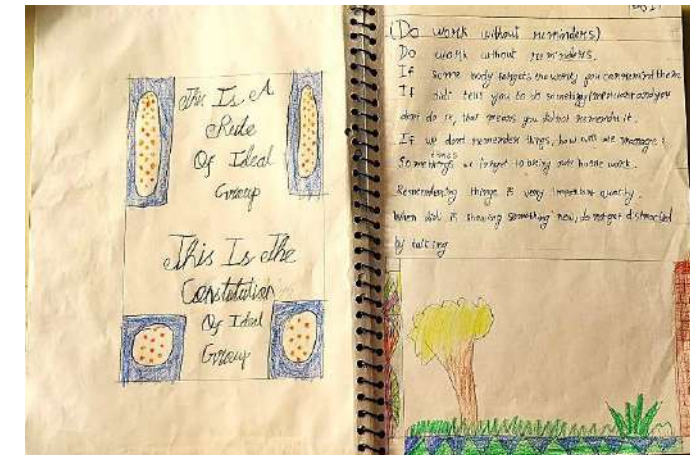
Rights

1. To be loved.
2. To be listened to and responded to.
3. To go to work or to school.
4. To play with family members when you want to.
5. To ask questions or talk.
6. To use what you like from the house.
7. To ask for something to eat.

Duties

1. Be disciplined and consistent in your daily routine, work and towards your aspirations.
2. Be responsible for your own work and your things.
3. Give time to each other and spend time wisely.
4. Be respectful to all. Speak kindly and politely and allow everyone to express their views and listen carefully.
5. Communicate a lot with each other and play together.
6. Learn something new each day.
7. Limit screen time.
8. To take care of the environment.
9. Wash hands before eating food, sit together as a family while eating and eat slowly and eat healthy.
10. Sleep on time and wake up on time.
11. Celebrate special occasions together.
12. Keep your room, cupboard and study area neat and keep things back in their proper place.
13. To take permission from each other before borrowing.

Group Constitution Designed By The Children



Aim:

Preparing children and strengthening their learning towards integrated personality building during this one-month time by offering gratitude to everyone, everything and each other for the support that has enabled us to blossom through the year.

Thanksgiving Preparation



Activities:

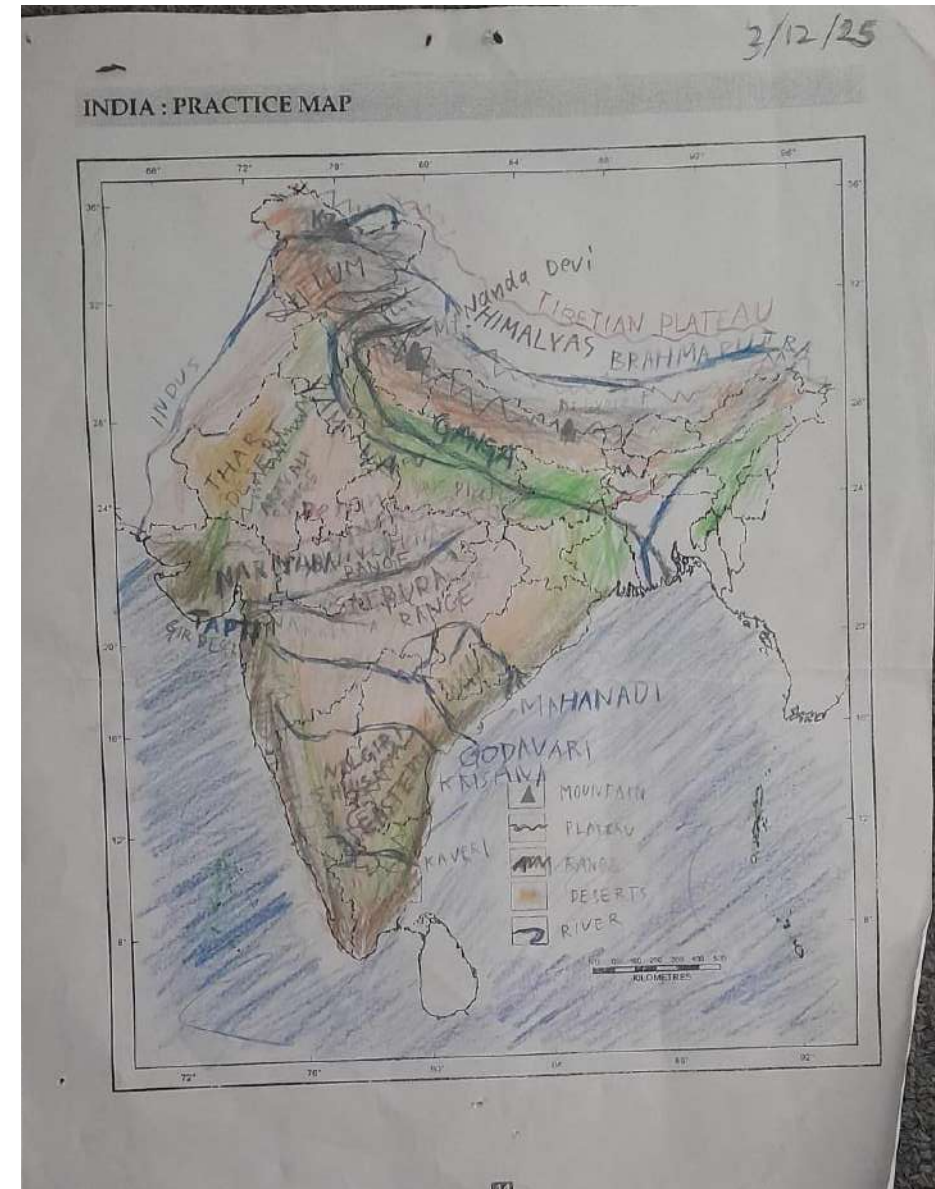
- Children listened to stories, “Practice the Ram Chaupai”
- This age group of children are developing a logical mind. The value of life needs to be introduced in individual and in collective living environment from a practical point of view, also they need to grow in awareness of the spiritual history of the nation by listening to and reading the stories in an interesting & creative manner.
- This was the effort throughout the year & towards the end, to awaken an aspiration from within the story of Ramayan was introduced to the group.

A decorative border of watercolor flowers and greenery frames the top, bottom, and sides of the page. The flowers include pink, yellow, and purple blossoms with green leaves and small yellow dots scattered around them.

PEACE GROUP

Understanding Rivers

The Rivers project aimed to make children aware of the importance of rivers through interactive and experiential learning. The process began with a brainstorming session where children shared their knowledge and personal experiences with rivers, helping them build an emotional and real-life connection with the topic.



They then wrote short reflective paragraphs about their own encounters with rivers. Conceptual understanding was developed by introducing the definition of a river and explaining its parts such as the source, upper, middle and lower course, tributaries, mouth and delta. Children learnt to differentiate between perennial rivers that flow throughout the year and non-perennial rivers that flow seasonally.

Discussions and worksheets helped them explore why rivers are essential for life, farming, transport and the rise of early civilisations, especially in fertile plains.



They studied major rivers of India and classified them based on where they drain: rivers like Indus, Narmada, Tapti, Sabarmati, Mahi and Periyar flowing into the Arabian Sea, and Ganga, Brahmaputra, Mahanadi, Godavari, Krishna and Kaveri flowing into the Bay of Bengal. Map work enabled children to visually locate and trace these rivers, strengthening their geographical skills.

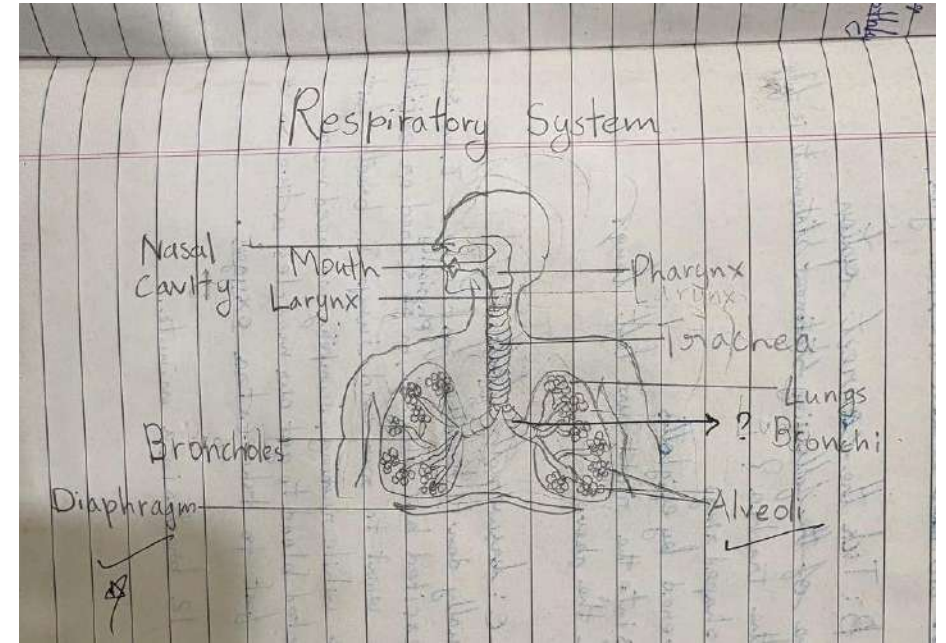
A detailed comprehension passage on the delta of the River Ganga helped them understand how deltas are formed and why they are ecologically and economically significant. Cultural learning was added through the mythology story of how River Ganga descended to Earth.



Using this story, children framed critical thinking questions and participated in a team quiz, promoting collaboration and reasoning. Fun experiential tasks were included throughout, along with surprising instructions to test attention and focus. Overall, the project integrated geography, culture, language and thinking skills, leading to deeper understanding, improved concentration and enthusiastic participation.

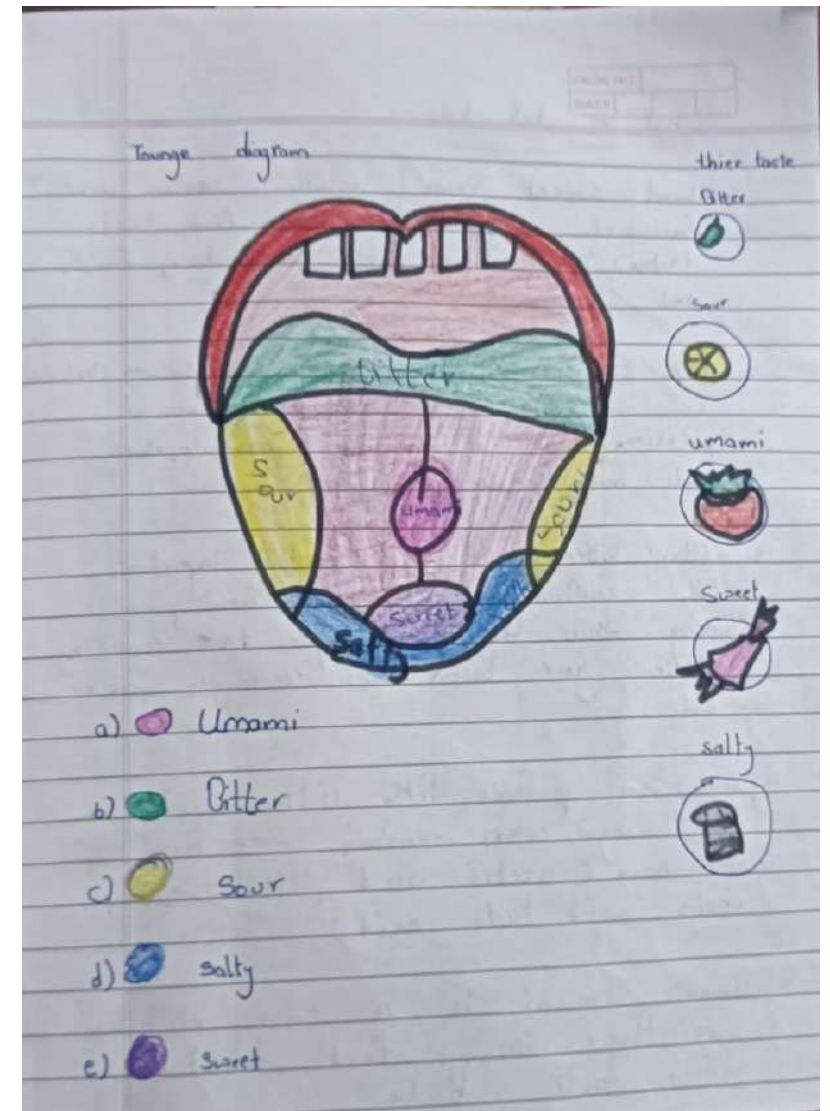
Awareness of Body

During this term, the group undertook a project on the Human Body. The theme emerged from the children's curiosity and eagerness to understand their body—how it functions, how different organs work together, and how we can take care of our health.



The project aimed to help children develop awareness of their body, its structure and functions, while also understanding the importance of health, hygiene, and fitness.

Children also spent time in the library reading about different body systems and sharing their understanding with one another. Activities and discussions focused on cleanliness, personal hygiene, healthy food habits, fitness, and the role of the five senses.



The respiratory system was explored through breathing exercises and observation. Children recorded their breathing rate during different activities and noticed that oxygen demand increases with movement. The project also included discussions on food and nutrition, the role of teeth and tongue, and the digestive system. Diagrams and worksheets helped reinforce learning. Overall, the project enabled children to develop greater awareness of their body, health, and well-being through experiential learning.



SINCERITY GROUP

Electricity project

The aim of the electricity project was to provide children with a hands-on and practical understanding of basic electrical principles. Through direct experimentation and construction activities, the project helped theoretical knowledge into real-life applications, enabling children to explore electricity in a safe, engaging, and meaningful way.

- The following concepts were covered in this project:
- static electricity;
- open and closed circuits;
- series and parallel circuits;
- properties of magnets; the working of an electromagnet;
- the functioning of a bio-battery;
- the parts and functions of a dry cell;
- the concepts of cathode and anode;
- voltage; and the use of a multimeter
- working with a soldering iron.

Static Electricity-

The group experimented static electricity with a plastic ruler and straws to pick up small objects such as bits of newspaper, hair, and tissue paper.

Electroscope -

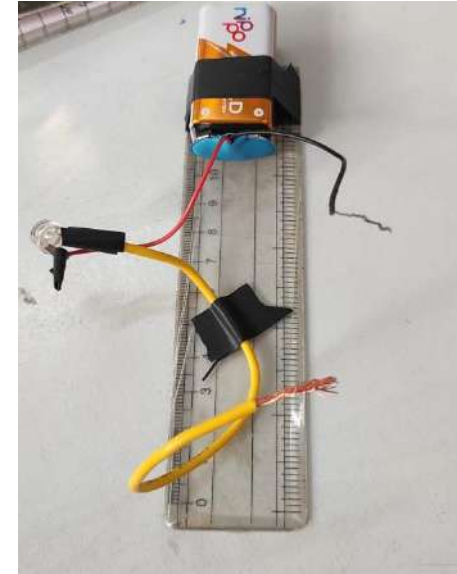
Children made a model of an electroscope to understand how like charges repel each other.

They try it with different things like paper, tissue, aluminum foil, rose petals, leaves etc.



Testing Conductors or Insulator -

Each child made a conductor tester using an LED, battery, and wires to check whether objects were conductors or insulators



Series and parallel circuit

The next area of learning was electric circuits—open and closed circuits, as well as series and parallel circuits



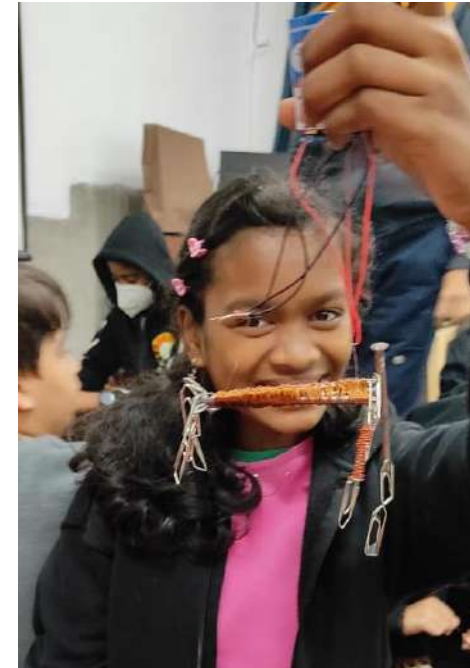
Human conductor and lighting LED

Children hold their hands together to make human circuit.



Electromagnet

Creating an electromagnet by coiling copper wire around an iron nail.
Children built electromagnets and observed their ability to attract iron objects.



Bio Battery

Children brought different vegetables and fruits like carrot, potato, beetroot, ginger, cauliflower, lemon, orange, apple etc. and they made bio battery by connecting different pieces of the fruits and vegetables with different metals and conductors.



Understanding parts of 1.5 and 9 volt battery



Magnetic field, electrolytes

Magnetic fields were demonstrated using bar magnets, and children observed different field patterns by rotating magnet poles.

Nameplate making with LEDs

The most challenging activity was making a nameplate using LEDs. Only a few children were successful in completing this task, as it required hundreds of LEDs, prolonged patience, and refined soldering skills to fix them precisely and correctly.



Quiz games with buzzer and LED



Remote Control Motor Car

Development of mechanical skills by using the concept of series and parallel circuit connection.





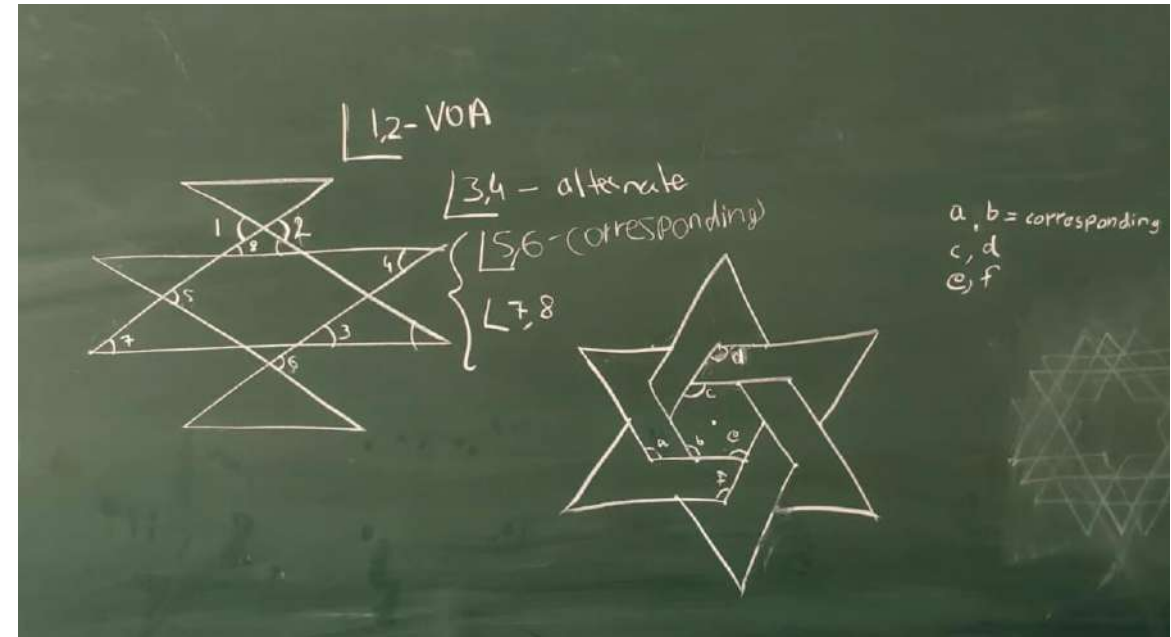
PERSEVERANCE GROUP

PROJECT ON DELHI

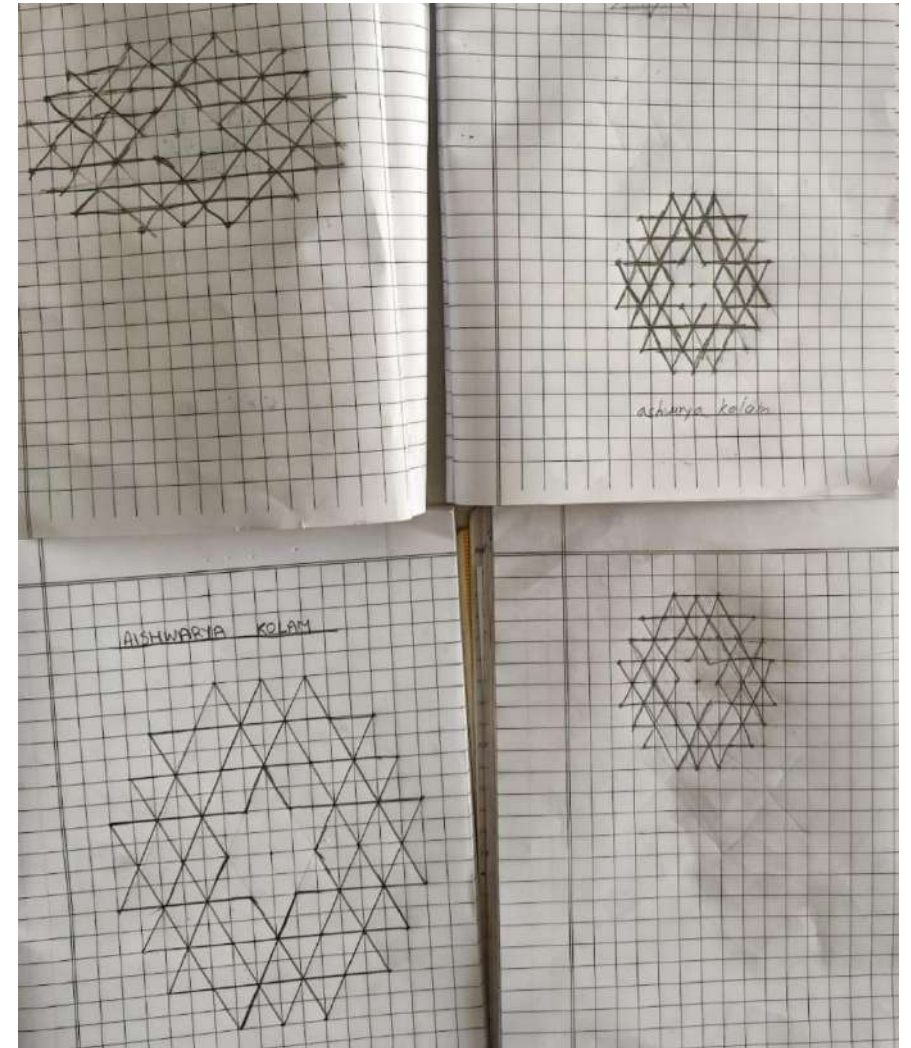
A project on Delhi helped the children travel through their neighborhood and understand how the monuments had a history. Living in Delhi it was a good project to have the children visit, see for themselves and study how travellers, tour guides see the same place. They made a play for Thanksgiving on Akbar and Birbal coming to Delhi today and seeing the changes.

The trip to Dalhousie was a good occasion to study the elements of weather and how the location and season affects it. Now the children are making their own environment and understanding how the elements of weather come into play at the different times of the year. What cause heating or cooling, winds and storms and most importantly how where we live affects the climate.

In Mathematics, children embarked on a project, **Special angles in Specific Kolams**. In some specific kolams that had pairs of parallel lines, they identified pairs of vertically opposite angles, corresponding angles, and alternate angles when a pair of parallel lines is cut by a transversal.

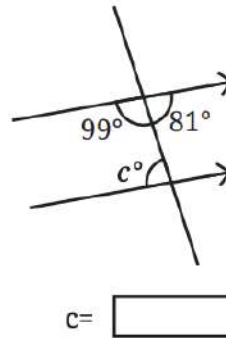
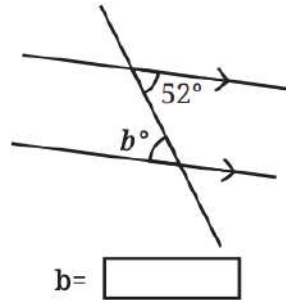
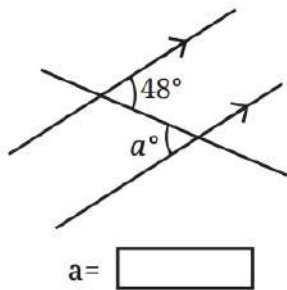


They learnt to draw a complicated Aishwarya kolam design and repeat finding special pairs of angles in this kolam as well. Below is a picture of some samples drawn by the children.

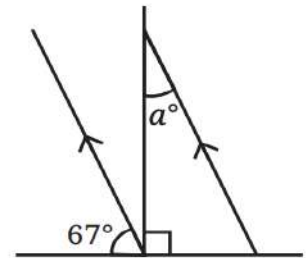
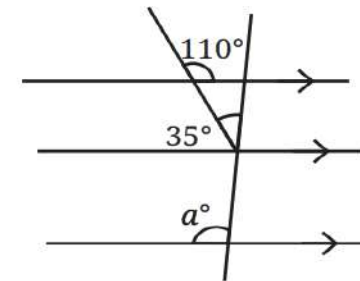
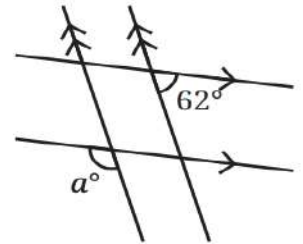
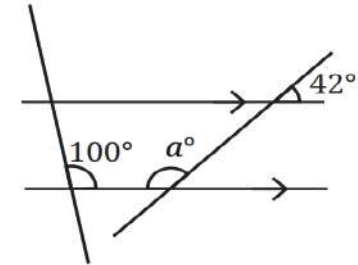


They also solved some questions based on these rules.

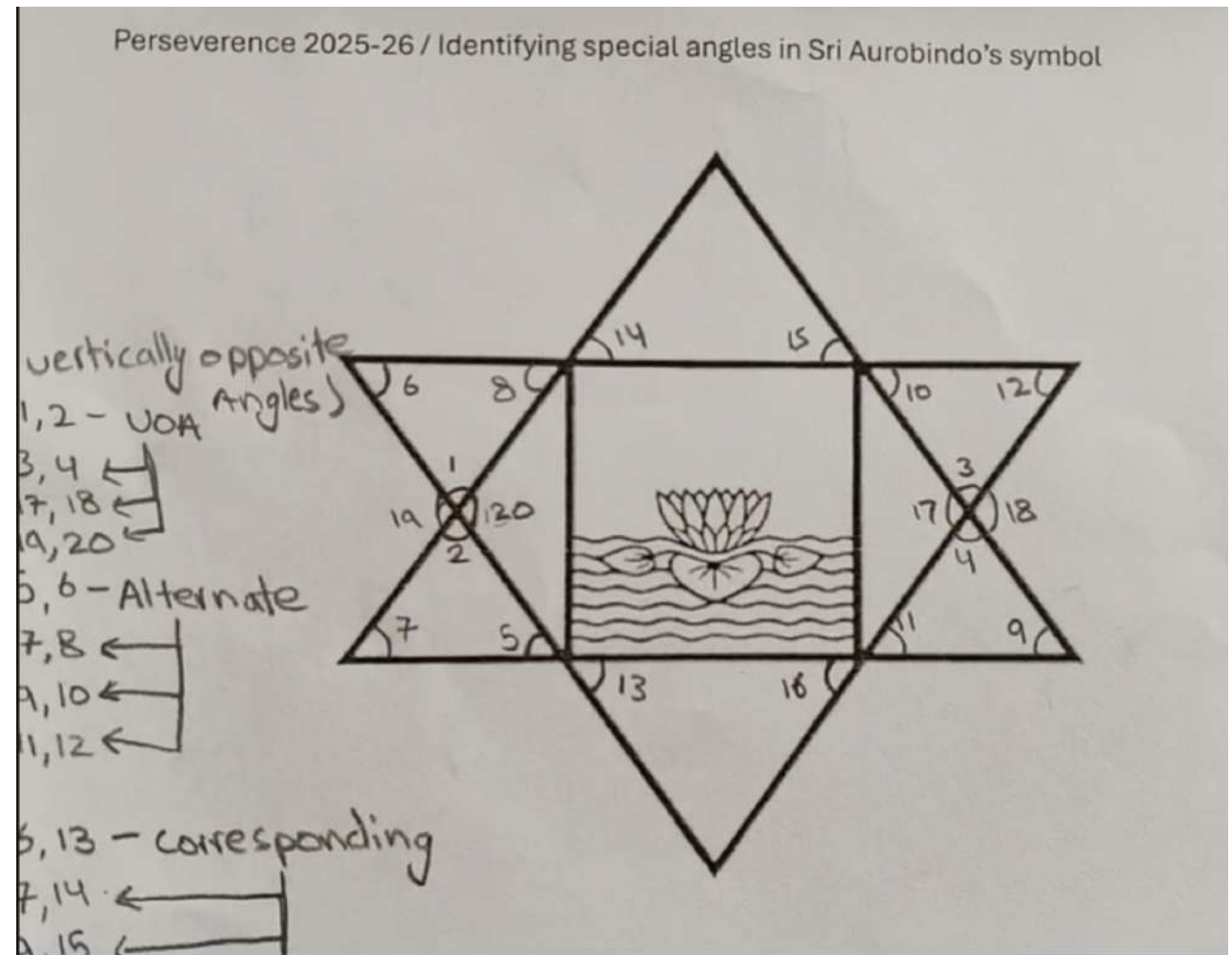
1. Find the angles marked below.



2. Find the angle represented by a .



Finally, they applied their skills learnt to find pairs of such special angles in Sri Aurobindo's Symbol as shown below.



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UNITY GROUP

Since December the Unity group of 9 children took up projects on the study of musical instruments and the concepts related to sound. The study of Light, the role of lenses lead to the exploration of making telescopes, periscopes and kaleidoscopes . The poem of Sri Aurobindo has become the signature poem of the group. After several experiments on timbre, pitch, frequency and how the ear hears they were able to make their own musical instruments.

Along with this the understanding of self, growing up in a city , learning to deal with examinations and learning with interest was taken up as part of the project on (Adolescent health) and Reproductive system in human.

Since the Prahari committee was set up the members from the students understood the problems that young people face and how curiosity lent itself to becoming exploited by the drug mafia. Carbon and its compounds, the world situation on oil mining and refining, the impact of trade on availability of petroleum products and gas was taken up as another project.

The group also took examinations in all the different subjects for 3 hours.