

NEW CREATION GROUP REPORT

OCT'14 TO MAR'15

ENGLISH

This group is more comfortable using English on a regular basis. The children use English to speak with the occasional shift into Hindi.

They all have good translation ability from Hindi-English. Their vocabulary has been expanding thanks to a good reading habit among most of them. In the last three months the reading group with Shanoor didi has allowed them to give more time to read. The ones who are not inclined to read need to find ways of catching up.

The spelling sense in this group is mixed, some have exceptional ability with it while others can get better with time and effort.



MATHEMATICS

The group of 14 children are working on different level in mathematics. The interest and attention span of each child is different. Half the children of the group are doing the level VI book, while other half is doing book- V.

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Most of the time children forget the concept and process of calculation learnt. Therefore we have to repeat explanations and give practice exercises frequently. Most of the accept children their forgetfulness and willingly do repeat exercises.

Few of them are able to do conversions for units of measurement in decimal form, others are struggling. Most of children lack confidence in measuring weights and doing measurements. The children practiced measuring distances and weighed through hand balance, they also measured using different objects. To give practical experience on measurement and also making a bill we introduced the market place to the group. All the children set up their shop selling different things and the other groups' children came as buyers. We made them play various games relating to calculation of money, mass and weights etc. They often played monopoly. Gradually their confidence level has improved.



Many children make mistakes in fractional number, negative integers and algebraic expression operations. They find it difficult. Some children have started working independently to some extent but there is much scope of improvement.

On the occasion of Diwali the group had put an exhibition having math games. The children from the whole school came and played math games, like magic triangles, magic squares,

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chess board games, figure puzzles, tangram and other brain exercise games. Children won paper money using which they bought eatables from shops put up by Faith Group.

HINDI

For the purpose of learning Hindi and Sanskrit the New Creation Group has divided into 2 sub groups of 7/8 children.

For a group of seven children - Gauri, Darshana, Radha, Bhavna, Lalu, Hari and Madan we adopted the Class 7, Bal Mahabharat Book for studying Hindi. In these 6 months we have completed the entire book with its exercises.

For Hindi Grammar, we started the Shiksharathi Bal Hindi Vyakaran Book of Class 5. From which we have covered Language & Grammar, Phonology, Noun, Gender, Number, Case, Pronoun, Adjective, Verb, Tense, Adverb, Preposition, Conjunction, Interjection, Incorrect-Correct, Synonyms, Words with various meanings.

Most children's spoken Hindi is good. They speak full structured sentences and with clear pronunciation. These children are reading very well. They take Hindi books from the library to read independently. Children have improved their vocabulary through regular reading practice.

Children are given to write essays of up to 300 words. They are at times reluctant to write. So we not only give them different topics to write on, but also expose to different forms of writing (prose, poetry), associate writing with their activities and introduce them to rhyming words etc.

Most children have developed a nice and clear hand writing. 1/2 children need to work on their handwriting, so they are given more writing practice.

For the second group of seven children - Jagat, Basant, Neela, Suryodhan, Kamlu, Rachna and Pitambar we have adopted the book Vasant Part 2



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We regularly practice Hindi reading and grammar along with some time spent on correct spelling writing through dictation and thinking/writing

For Hindi Grammar, we have done - Noun, Case, Verb, Adjective.

All the children in this sub group are reading well. They are all writing properly rarely making spelling mistakes. They make proper sentences and are able to write stories or describe any topic given. All of them have built a good understanding of grammar concepts.

SANSKRIT

For the group of seven children - Gauri, Darshana, Radha, Bhavna, Lalu, Hari and Madan following topics covered in Sanskrit

- Gender- Definition of Masculine, Feminine, and Neutral gender,
- Number - Singular, Dual, Plural and
- Person - Third, Second, First person,
- Declensions for present and future tense
- Case - nominative, objective, instrumental
- Conjugation

For the sub group of 7 children - Jagat, Basant, Neela, Suryodhan, Kamlu, Rachna and Pitambar we are focusing on

- Declensions for present tense (patha dhatu)
- Noun and pronoun usage for making sentences
- Sanskrit reading
- Forming sentences

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ODIA

New Creation group's children attend odia class once a week. The children are divided into two groups. Most students are irregular in their attendance and some are not punctual. Their development is dependent on their sincere effort.

We have been working on their reading, conversation and writing as well as singing. We have covered the following:

- a. the students are told stories for developing their listening skills.
- b. In order to develop comprehension we used the question and answer method.
- c. To recognise the Odia alphabets we used letter and flash cards.
- d. We have used silent reading as well as loud reading to develop their pronunciation. They now know all matras or kanas.
- e. students have practiced writing simple words and beginning to make structured sentences.
- f. auditory skills have been developed through dictation.
- g. in order to develop thinking skills we allowed students to write and orally express themselves by describing their drawings.
- h. students have also learnt the following songs:
 - saaira pile sakalu
 - bapanha mamu
 - kalasire ganga jala

SCIENCE AND TECHNOLOGY

For Science and Technology the New Creation has been divided into two sub groups according to their level. Each group has science class on alternate weeks for two hours a day. The children are very keen to study. Overall the group has good, average and weak children. The two groups are:

Group A — Hari, Lali, Darshana, Radha, Gauri, Madan and Pitambar.

Group B — Suryodhan, Nila, Basant, Kamlu, Rachna, Jagat and Bhavna.

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The methods for teaching used were observation, study, activity, model making using the science lab, library (for text book and reference book) and the scrap room for making the models using the scrap available. After every topic question and answer session had been used for revision.

During this session the following topics have been taken: Group A

Project- magnetic field and electric current

During this Project children learnt about

- Magnetic field
- Magnetic force
- Types of magnets
- Earth's pole
- Electric bell
- Working of magnetic compass



Activities, Models and Experiments

Children have been showed the different types of magnets and their field. They made an electromagnet using a long nail, laminated wire and batteries. Through spray painting they make the diagram of the magnetic field on paper. Topic was followed by written Question and answer session.

Project- Atomic Structure and periodic table of elements

The basic aim to take this Project was to introduce children to elements. They learnt about

- Electrons, protons and neutron
- Electric configuration
- Concept of valency

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- Periodic table and classification of elements

Activities, Models and Experiments

We used an audio-visual for learning. Children made chart for the atomic structure.

Project- Reproduction in Plant

Under this topic children learnt the process for plant's reproduction and the different types of reproduction

- Parts of flower
- Seeds
- Pollination
- Fertilization
- Dispersal of seeds
- Germination
- Grafting
- Stemming



Activities, Models and Experiments

Many activities were undertaken. Children did grafting, germination of seed in different types of soil, stem planting etc. They observed the parts of a plant through the microscope. Some of the children did the cross pollination on cosmos plant.

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Project- Atoms and molecules

Under this topic children learnt

- Laws of Chemical Combination
- Atom
- Molecules
- Compound and mixture
- Writing Chemical formula of Compounds
- Valency and formulation

Activities, Models and Experiments

During the project they learnt the basics about an atom and its structure along with the properties of matter.

Project- Forest

The main aim to take this topic was to introduce the condition of the forest today. Following topics were covered

- Ecosystem
- Food web
- Food Chain
- Forest Products
- Balance of Gases
- Checking the pollution
- Protecting soil
- Flood and droughts
- Rain and temperature
- Deforestation
- A forestation



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Activities, Models and Experiments

During this project many activities were done. Children went to the forest. How the animals survive in the forest? How the forest is necessary for the other living organism?

Each child in the made 3D models of the food chain using the scrap.

Project-Life of Plant

Children learnt the details wrt a plant.

- Basics about Plant Cell and its part.
- Different types of Roots – Areal root, Respiratory root, Support and buttress root, Climbing root, Parasitic root, and Aquatic root
- Stem
- Structure and function of leaves, Photosynthesis
- Fruits and seeds
- Plant for the survival of life on earth

Activities, Models and Experiments

Children were provided different book to go through the details about plants life. They collected the different types of roots and studied about it. Also made the structure of plant cell using thread, grains, pulses and sand on a plywood.

For Group B following topics has been done

Project- Light

During this Project children learnt about

- Introduction about light as energy
- Reflection and refraction
- Shadow
- Colours of light
- Solar and Lunar eclipse



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Activities, Models and Experiments

They made a model of solar and lunar eclipse using the globe and bulb. They made the chart.

Subsequently they were made to do exercises on this topic.

Project- work and energy

Children learnt the following

- Introduction on work and energy
- Sources of energy
- Thermal energy
- Light energy
- Electric energy
- Mechanical energy
- Sound energy
- And wind energy

Activities, Models and Experiments

Different types of the energy were explained using the materials like friction board, wind mill, dynamo and solar panel. They made diagrams to explain and understand the different types of energy and forces.

Project- Heat and temperature

Children learnt the following

- Measurement of temperature in Fahrenheit and Celsius
- Converting the Temperature into Fahrenheit to Celsius and Celsius to Fahrenheit



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Fahrenheit using the formula

$$C/5 = F - 32/9$$

- Flow of heat
- Linear expansion
- Superficial expansion
- Cubic expansion

- Conduction
- Convection
- Radiation
- Thermometer
- Land and sea breeze

Activities, Models and Experiments

Under this project all the children were given an activity as assignment like Natural thermometer, balloon expansion on heating, linear exemption on different metal

Project- Chemical equation and reaction

Following topics were covered

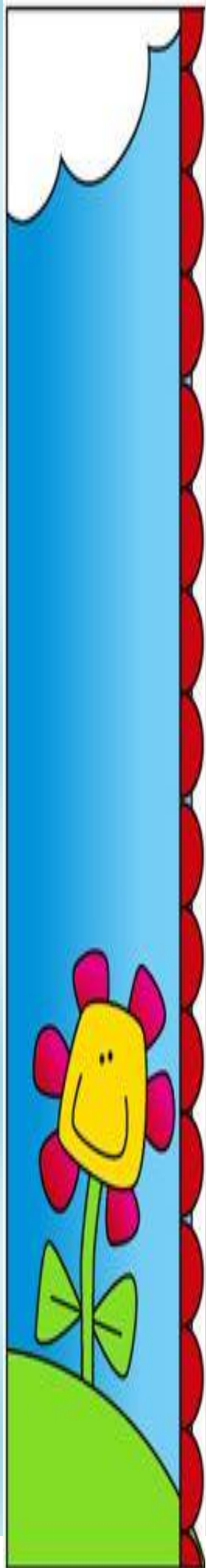
- Combination reaction
- Decomposition reaction
- Displacement reaction
- Displacement reaction
- Neutralization
- Sublimation
- Sublimate
- Melting
- Boiling
- Freezing
- Vaporizing and Condensation

Activities, Models and Experiments

During this project children did many experiments on the basics of the different type of reactions. In this topic they were introduced to chemicals for first time. They learn the 50 elements symbol, atomic number etc. They did the numerical questions on the Atomic mass.

Project- Electricity

Following topics were covered



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- Electricity as a energy
- Current
- Basics about electric circuit
- Symbol used in electric circuit
- Resistance
- Magnetic field
- Magnetic poles

circuit

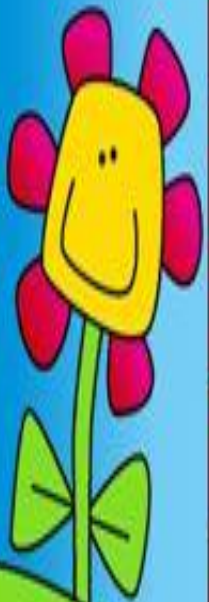
Activities, Models and Experiments

Children made a game on the principal of electric circuit.

Project-Food

In this project below points were discussed

- Food as Our basic need
- Food group-energy giving, body building and protective food
- Nutrients and there type-carbohydrate, fats, proteins, minerals and Vitamins and their importance
- Deficiency Disease
- Nutrients and their sources
- Balance Diet
- Food Pyramid



Under the second elected project "GREAT RULERS OF THE WORLD", each child selected a personage from different empires and time spans like Tutankhamen, Augustus,

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Caesar, Napoleon, Akbar, Queen Victoria and so on. The final project culminated with the enactment of a play. The play was well acted with inventive costuming.



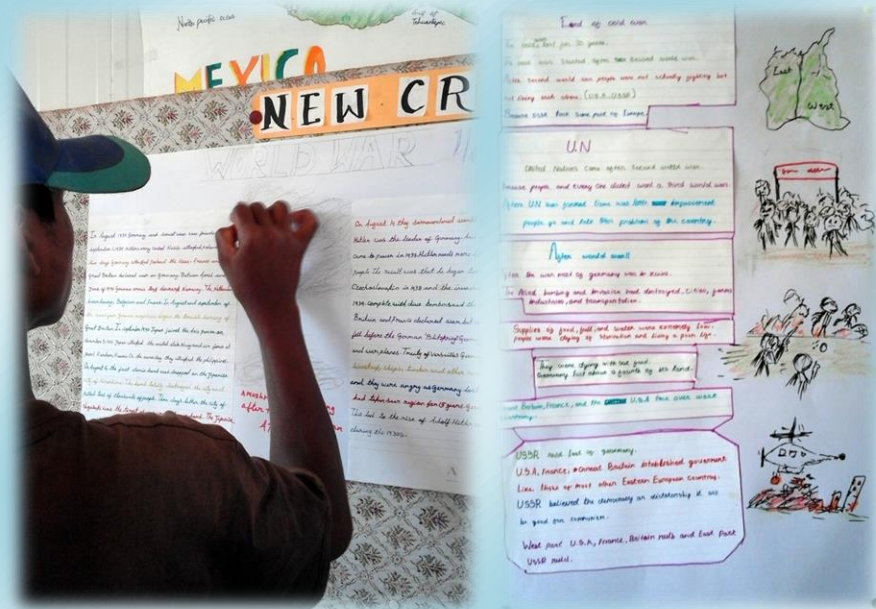
Under the third elected project "FORMS OF GOVERNMENT," three main types of governments were discussed —monarchy, democracy and dictatorship. Democratic republic state of India was studied in detail with each child investigating different level and functions of the government. [Central, state, local governments and their allied organs like judiciary, executive, administrative] The story of Animal Farm as a metaphor of a failed state [democracy or communism] was narrated in class. A variation of the game of knots and crosses was played as well as role playing [two teams representing the two houses of the parliament.] However, there was a lot of disruption and non co-operation due to which all the planned activities could not be carried out. The responses on a brief oral test were dissatisfactory.



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The forth elected project "WORLD WARS" was a two week project that ended with a test and sharing with others groups. The causes and consequences of the first and Second World War as well as the rise of leaders like Hitler and events like the holocaust, cold war and United Nations were studied. Students saw the Italian realist film Bicycle Thieves. Student's performance on test was dismal due to poor spellings and sentence construction as well as inadequate expression.



Under the third elected project "Forms of Government," three main types of governments were discussed —monarchy, democracy and dictatorship. Democratic republic state of India was studied in detail with each child investigating different level and functions of the government. [Central, state, local governments and their allied organs like judiciary, executive, administrative] The story of Onimal Farm as a metaphor of a failed state [democracy or communism] was narrated in class. A variation of the game of knots and crosses was played as well as role playing [two teams representing the two houses of the parliament.]However, there was a lot of disruption and non co-operation due to which all the planned activities could not be carried out. The responses on a brief oral test were dissatisfactory.

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The format of the projects was changed to be confined to a strict one week deadline. Monday marks the beginning of the new project, Saturday was designated the sharing day and Sunday was reserved for the final test. The test is designed to incorporate general factual questions as well as individual questions relating to their selected sub-project topics.

The first one week project was agriculture. Student presentations were just satisfactory however the test scores continue to be abysmal. Their performance showed dramatic improvement in the next test on Gupta Empire. Stress was put on reading and learning rather than mindlessly transferring words from one book to another. Sharing was done before test day. A short quiz and dictation was taken to get them better prepared.



For the B Group having Suryodhan, Nila, Basant, Kamlu, Rachna, Jagat and Bhavna also six projects were covered so far. Under 'CONTINENTS AND COUNTRIES', students were assigned a continent each and asked to list out all the countries in that continent. Then they were asked to investigate the geographical-spatial, cultural, historical

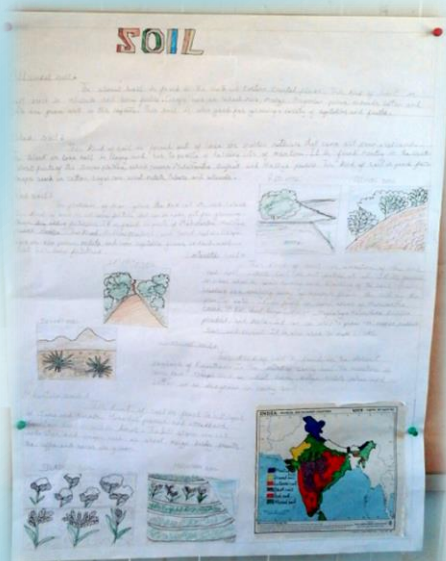


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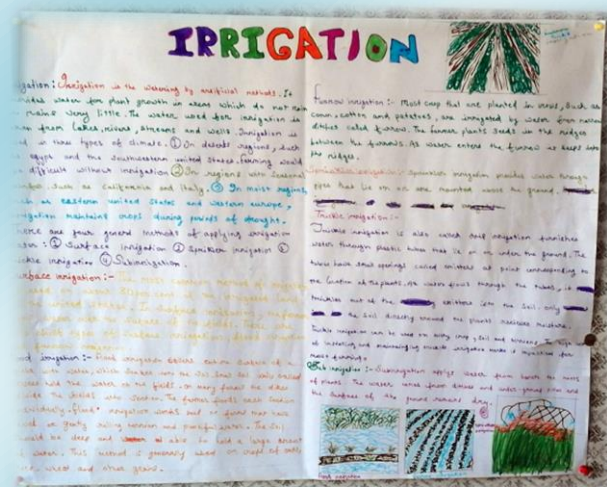
and political details of a select country. They made charts illustrating maps, monuments, clothing etc which was shared with New Creation A and concentration.

Under the second elected project "GREAT LEADERS OF THE WORLD", each child selected a personage from different country and time spans like Gandhi, Martin Luther King, Lenin, Indira Gandhi, Abraham Lincoln and so on. The final project culminated with the enactment of a play.



The third elected project was AGRICULTURE. Students studied irrigation, process of farming, the types of soils, types of farming and crops grown in India. Concepts of Green and White Revolution were introduced.

The forth elected project was "DELHI SULTANATE" wherein students took up different dynasties and rulers and studied their accomplishments and peculiarities. The project ended with a test and sharing their readings with other groups and didis and bhaiyas.



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The next project was "Landforms" followed by "Periods in History." Their test scores have been satisfactory showing gradual improvement but without any dramatic or sharp falls and rises. Quite unlike New Creation A.

SPORTS

The children of this group play a variety of sports and show great enthusiasm and spirit. The boys lean more towards football and the girls towards Basketball. They have tremendous energy and skill, which enables them to have a natural instinct in playing any sort of sport.

Over the last few months, they have learnt how to control their speed, energy and have honed their passing skills at both basketball and football. Some of the kids have an innate knowledge of the sport but the others patiently learn their way into bettering themselves.

They have learnt the importance of team spirit and how to control angry emotions that flair up during a heated game. They have also started playing Volleyball and are showing great promise in that too but need to get better co-ordination amongst themselves and work on their service skills.

They practice gymnastics as well as dance too, which come under their physical activity programs.

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FESTIVALS AND CELEBRATIONS



CHILDREN'S DAY — Children can be seen below preparing flower and leaves crown for all the school children. They prepared portraits of Nehruji, prepared games for the other group children and also took them for a trek. They were very enthusiastic about the celebrations. They also presented a short play based on life of Nehruji.



PRANJAL BHAIIYA'S BIRTHDAY —

Bhaiya's birthday is an occasion of day long celebrations. Children sang songs, presented a dance and also did a science exhibition.

The group children with the concentration and faith group took the younger children for a picnic and trek.



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CHRISTMAS - This group sang the carol 'Little Drummer Boy' in an acapela style, they really enjoyed making the drum sound and also harmonising with each other. They sang 'Joy to the world' loud and clear and with a lot of energy. They also sang Feliz Navidad along with the Faith and Concentration groups.



Some children from this group sang Bob Dylans ' All I Really Want To Do' accompanied by guitar. They did a commendable job remembering the 6 stanzas in the song and sang well together.



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SPORT'S DAY – For their sports day, they participated in a variety of demonstrations like Creative Marching, Skills on Wheels (Skating), Happy Feet (Football) the football drill where they showcased some football tricks and skills, Joyful Jesters (Circus) - the funny but tough skills that one sees in a regular circus - juggling, walking on stilts or riding the unicycle, Aero Wonders (Aerobics) – dare devil stunts with some gymnastics supple movements.



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MOTHER'S BIRTHDAY — All the children participated in the play. Some children had to be cajoled into playing a more active role. They were involved in creating the many sub-stories that made up the play.

Some children had problems pronouncing the lines, but on the day of performance all of them pulled it off with ease. During the play, many of the kids were comfortable in their roles and costumes and delivered their dialogues with ease, like they were the character themselves.

