

SCIENCE CLUB ACTIVITY-REPORT

PRE-PRIMARY DEPARTMENT

MONTH – APRIL '23

ACTIVITY – 'GERMINATION OF SEED'

LEARNING OBJECTIVES : -

The students will be able to: -

- Understand how a seed grows into a plant.
- Understand the materials required for germination of seed
- Know about the conditions required for the plant to grow.

Plants require certain things to grow successfully. They need biotic things like water, light and nutrients, suitable soil to grow in, and often a suitable temperature. If these are not optimal for a plant, then its ability to grow can be reduced

Students were asked to bring plastic cups, cotton and some soaked seeds. Next, they were asked to put the cotton in the plastic cup. Then, soaked seeds of Chana, Rajma etc. were put in the cotton. Lastly, students were instructed to pour some water on the soaked seeds and the glasses were put in the sunshine for them to grow. Students will observe how the seed germinates and sprouts will start to emerge from the seedlings.

LEARNING OUTCOMES: -

The students were able to: -

- *Develop understanding of the process of Germination.
- *Understand the materials required for Germination.
- *Develop Scientific knowledge.
- * Understand the importance of plants and trees.

SOME GLIMPSES OF ACTIVITY: -





ACTIVITY – ‘COLLAGE OF LIVING & NON LIVING THINGS’

LEARNING OBJECTIVES: - The students will be able to: -

- Understand the difference between Living and Non-Living things.
- Understand the concept of how plants and animals are living beings.
- Classify different things as living or non-living.

Living things need air, water and food for their survival. They grow and change their size. They also move from one place to another. Students were shown pictures of various things like fish, horse, butterfly, tree, kite, toys, school bag etc. Now, they were asked do these things breathe? Do these things move on their own? The students replied to these questions. Plants were shown to them thereby elaborating that plants grow into trees, young ones of animals like kitten grows into a cat, but the size of the book remains the same. Finally, they were asked to paste different pictures of things into separate categories of living and non-living things .

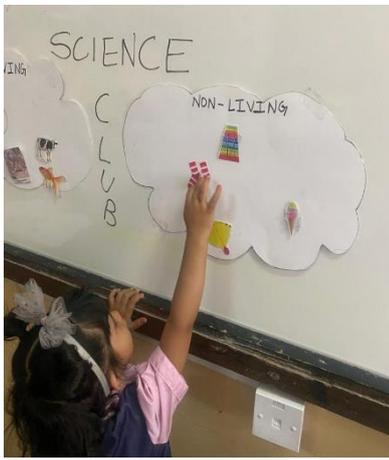
LEARNING OUTCOMES: -

The students were able to: -

- *Develop understanding about the process of living.
- *Understand the conditions required for living.
- *Develop Scientific knowledge.
- * Classify various things shown to them as living or non-living.

SOME GLIMPSES OF ACTIVITY: -





Title: Identification of parts of the plants

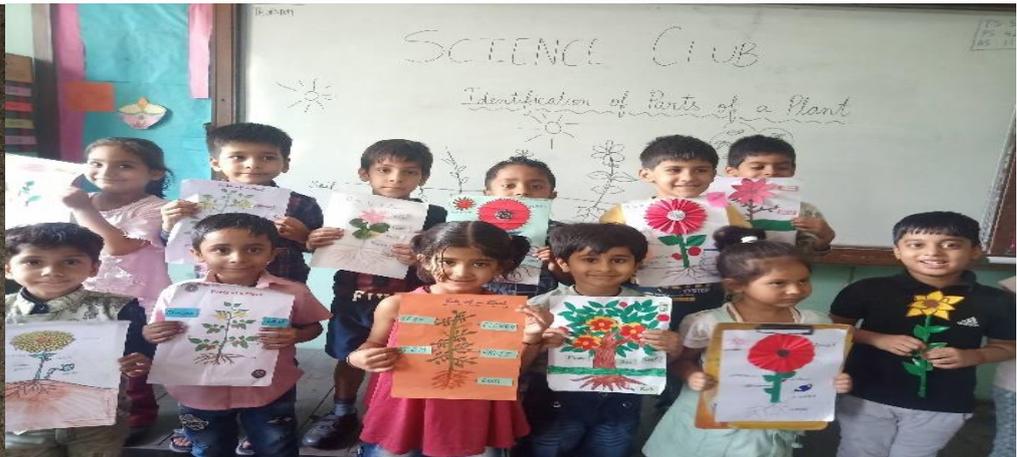
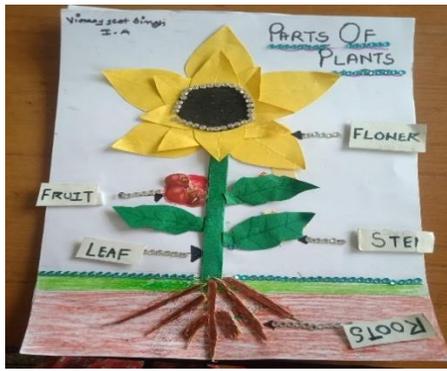
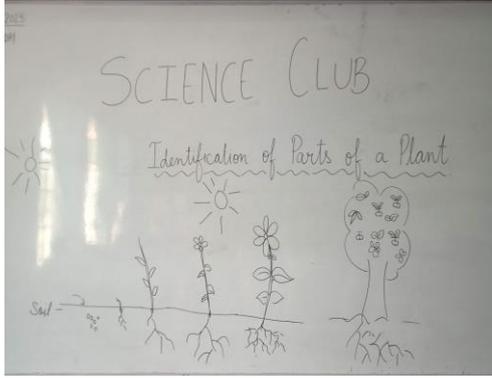
Classes	1A
Total No. of Students	52
Total No. of Submissions	43
Date	27th April
Mode	Offline (videos & photographs)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none"> • Identify different parts of a plant
Conducted by	Ms. Hemanshi Sharma
Any Other	Learnt the process of seed germination

Description of the Activity:

Students had prepared the model of a plant. They learnt the process of seed germination. They learnt the things required (seed, water, sunlight, good soil) for planting a seed. They had identified and named different parts of a plant.

Learning Outcomes: Students learnt about the concept of seed germination. They were able to identify and name the parts of a plant.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



Title of the Activity- Identification of Plants

Classes	I B
Total No. of Students	52
Total No. of Submissions	46
Date	10th April
Mode	Offline (photographs)
Art Integration / Gamification / Experiential Learning	Art Integration

Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none"> • Know about plants and their parts.
Conducted by	Ms. JASMEET
Any Other	_____

ACTIVITY – ‘IDENTIFICATION OF PARTS OF PLANTS’

LEARNING OBJECTIVES: - The students will be able to: -

- Understand about parts of plants.
- Understand the concept of
- Classify different things as living or non-living.

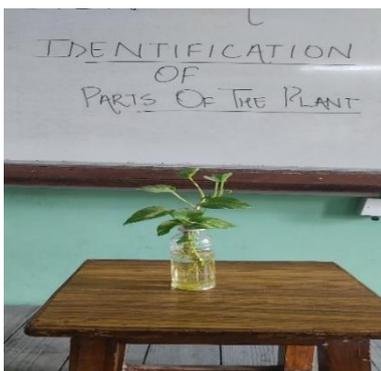
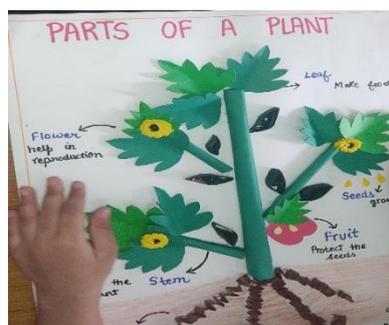
Students will be able to identify the different parts of a plant. Students will be able to identify the function of the different plant organs. Students will be able to understand how plants survive (obtain water, produce food, etc.) Students were shown a plant in the class to observe the parts. The students replied to these questions. Plants were shown to them thereby elaborating that plants grow into trees, young ones of animals like kitten grows into a cat, but the size of the book remains the same. Finally, they were asked to paste different pictures of things into separate categories of living and non-living things .

LEARNING OUTCOMES: -

The students were able to: -

- *Develop understanding about the process of plants
- *Understand the basic process and function of plants.
- *Develop Scientific knowledge.
- * Classify various parts shown to them in class

SOME GLIMPSES OF ACTIVITY: -



Title: My Favourite Animal

Classes	2A and 2B
Total No. of Students	101
Total No. of Submissions	93
Date	18th April
Mode	Offline (videos & photographs)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none">• Learn about types of animals
Conducted by	Ms. Shivani Tayal and Ms. Nisha Ahuja
Any Other	Learnt the types of animals

Description of the Activity:

Students had prepared the face masks of different types of animals. They learnt about the types of animals in detail. Students also described a few lines about their favourite animals.

Learning Outcomes: Students learnt about the types of animals such as terrestrial, domestic, wild etc. and also gained confidence by narrating a few lines on their favourite animals.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





Title: Identification of process of water cycle

Classes	3 A and 3 B
Total No. of Students	106
Total No. of Submissions	91
Date	27th April and 28 April
Mode	Offline (videos & photographs)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none"> • Understand and build the model of water cycle
Conducted by	Ms. Nisha Ahuja and Ms. Shivani
Any Other	Learnt the process of water cycle

Description of the Activity:

Students had prepared the model of a water cycle with a help of raw material. They learnt the cycle of water which is travelling in the atmosphere and changing its form. They learnt the things like evaporation, condensation, precipitation and collection.

Learning Outcomes: Students learnt about the concept of water cycle.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



Title of the activity- Nutritional values of food items from different states

Classes	4 A & 4 B
Total No. of Students	105
Total No. of Submissions	95
Date	17-04-23
Mode	Offline (photographs and videos)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Understanding, creative skills
Learning Objectives	Students will be able to know about the nutritional values of different food items
Conducted by	Ms. Shivani, Ms. Monika Lamba
Any Other	_____

Description of the Activity: Each student will paste the map of India and will write the popular dishes of that area.

Learning Outcomes:

Students pasted the map of India and labelled the popular dishes of different state.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



Title of the Activity- Collage making on Famous Scientist

Classes	5A and 5B
Total No. of Students	105
Total No. of Submissions	88
Date	10th April , 19 April
Mode	Offline (photographs)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none">• Know about the famous scientist and their discoveries
Conducted by	Ms. MANISHA and Ms. Dimple
Any Other	_____

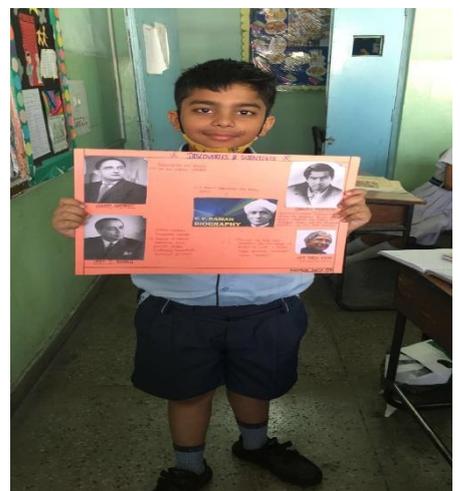
Description of the Activity:

Students made the collage on famous scientist and their landmark contribution in the field of science.

Learning Outcomes: Students will able to recall scientific contribution of various scientists.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





Title of the Activity – Dancing Doll

Classes	VI A and VI B
Total No. of Students	109
Total No. of Submissions	86
Date	17.4.2023
Mode	Offline
Art Integration / Gamification / Experiential Learning	Gamification
Skills Developed	Critical thinking
Learning Objectives	To let the kids know about working of basic motor
Conducted by	Khushhali Agrawal, Monika Lamba, Manisha Tanwar
Any Other	

Description of the Activity: The activity was organised in the lab.

Students have brought cell, wires and magnets from home. They have given the shape of doll to the copper wire and put it on the cell along with the magnet at the bottom. After few seconds the wire started to rotate and hence the name Dancing doll.

Learning Outcomes: Students understood about working of simple motor.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)



SCHOOL ASSEMBLY REPORT **CLASS VI to XI**

- On the 25th of April, 2023 morning assembly was conducted by students of class 6th to 11th.
- The assembly was started with Morning Prayer, followed by a play based on topic Importance of Science.
- Some students were performing experiments and students of class-VII exhibit and understand the concepts of science.
- The play was started by 3-4 students talking about concepts of Physics, Chemistry and Biology.
- Students performed a dance-drama highlighting the importance and concepts of Science.
- After that two students shared some trending news related to science.

➤ The assembly was concluded with National Anthem.



Title: Wear a gene bracelet

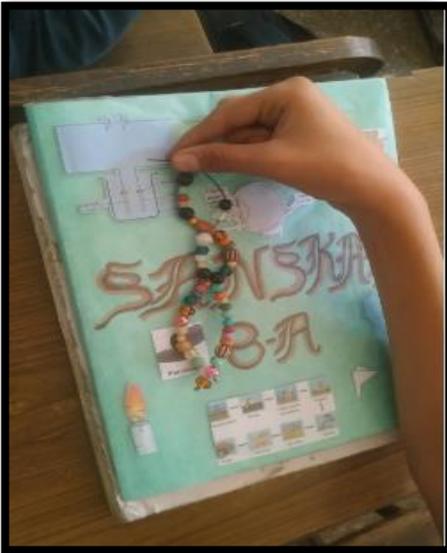
Classes	VIII A & B
Total No. of Students	105
Total No. of Submissions	92
Date	26th April, 2023
Mode	Offline (photographs)
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- Learn about basics of genetics
Conducted by	Ms. Monika Lamba, Ms. Manisha and Ms. Khushhali
Any Other	Learnt the terms related to genetics

Description of the Activity:

Students had prepared gene bracelet. They added beads to their bracelets each bead represents different traits.

Learning Outcomes: Students learnt about the basic concept of genetics. They were able to differentiate the terms gene and DNA.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





Ms. Manisha

Any Other

Description of the Activity: Students understood the importance of earth in sustainment of life and raise awareness about threats to our planet’s health.

Learning Outcomes:

Students in groups have performed skit laying emphasis on saving deteriorating environmental condition.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





https://youtu.be/1AplTVbcq_w

PHYSICS

Title of the Activity – Pendulum Painting

Classes	X A and X B
Total No. of Students	36
Total No. of Submissions	32
Date	XA - 13.4.2023 XB - 21.4.2023
Mode	Offline
Art Integration / Gamification / Experiential Learning	Gamification
Skills Developed	Critical thinking
Learning Objectives	To let them connect the concept of physics i.e. oscillation with art (painting)
Conducted by	XA - J.S. Mishra XB - Khushhali Agrawal
Any Other	

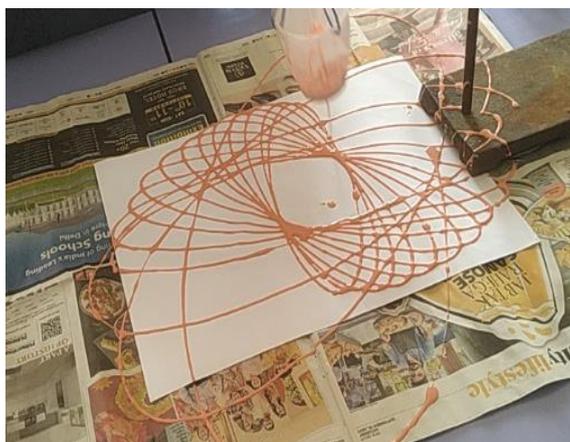
Description of the Activity:

The activity was organised in the lab.

Students were divided into groups of 4 students. They were asked to bring some material such as Salt, Paint, Cups with strings attached to it so that it can be hanged as the pendulum on the clamp stand. In the lab they hanged the cups on the stand and poured paint in it, or put salt in it, made a hole at the bottom and made it move like a pendulum oscillate. Because of paint and salt it has given the outcome was beautiful.

Learning Outcomes: Students linked the concept of oscillation with painting.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)



Chemistry

Title: Preparation of Soap

Classes	X-A & X-B
Total No. of Students	36
Total No. of Submissions	34
Date	X-A-13-04-23 X-B 21-04023
Mode	Offline (photographs and videos)
Art Integration / Gamification / Experiential Learning	Art Integration And Experiential Learning
Skills Developed	Knowledge, creative skills
Learning Objectives	Students will be able to:- <ul style="list-style-type: none"> Learn the process of making of soap in the lab.

Conducted by	X-A Ms. MANISHA X-B Ms. SANGEETA JOSHI
Any Other	_____

Description of the Activity:

Students were divide into 3 batches . Batch -4 of X-A and Batch-1 of X-B done this activity in chemistry lab with their respective teacher. In this activity, Students learnt about soap, its method of preparation and about hardness of water.

Learning Outcomes:

They prepared different natural made soaps using home materials like coconut oil, salt caustic soda etc. Students enjoyed the activity and prepared a sheet also.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-

<https://youtu.be/4I1vyyvgmU>



BIOLOGY

Title of the Activity – Morphology of leaves

Classes	X-A & X-B
Total No. of Students	22
Total No. of Submissions	21
Date	X-A 13.4.2023 X-B 21.4.2023
Mode	Offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creative Thinking
Learning Objectives	Students will be able to understand and distinguish between morphology of dicot and monocot plants.
Conducted by	X-A: Kamia Tanwar X-B: Monika Lamba
Any Other	

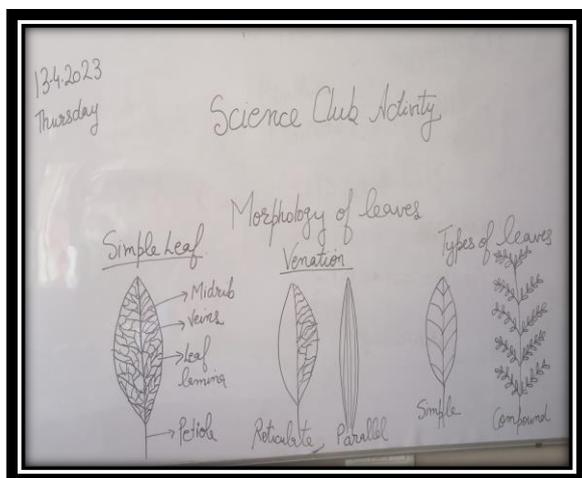
Description of the Activity:

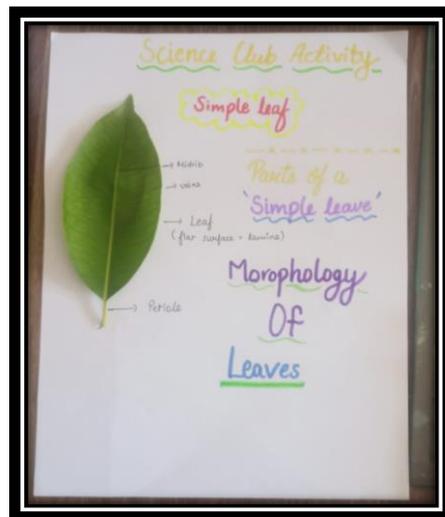
Students collected different types of leaves from school garden and marked different parts of leaf. They then categorized them into simple and compound leaf and types of venation.

Learning Outcomes:

Students are able to understand different parts of leaf, types of leaf and venation found in dicot and monocot plants.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)





Title of the Activity – Science Quiz

Classes	XI B
Total No. of Students	B
Total No. of Submissions	28
Date	24.4.2023
Mode	Offline
Art Integration / Gamification / Experiential Learning	Gamification
Skills Developed	Critical thinking
Learning Objectives	To generate awareness about health and nutrition
Conducted by	Kamia Tanwar
Any Other	

Description of the Activity:

A quiz was organised on the topic health and nutrition.

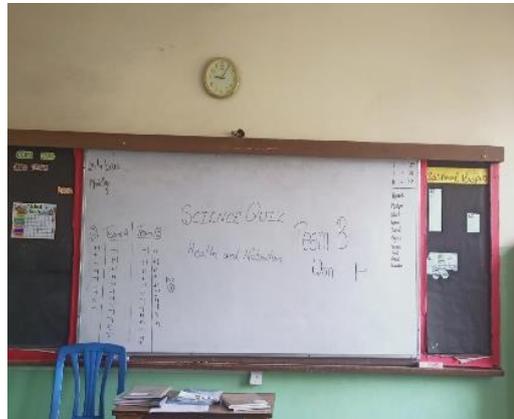
The class was divided into two teams A and B.

The quiz consist multiple choice question, upon answering correct answer team was awarded one mark and on wrong answer one mark was deducted.

All students actively participated in the quiz.

Learning Outcomes: Students understood about importance of health and nutrition in life.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)



Signature

Club-Incharge

Vice Principal

Principal