



THE PENTECOSTAL ASSEMBLY SCHOOL

PAS SCIENCE SPARK

IGNITING MINDS. INSPIRING
DISCOVERIES.

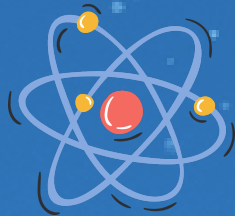


Issue#3

Month: September 2026

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- SCIENCE IN OUR CLASSROOMS
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Hello, Curious Minds!

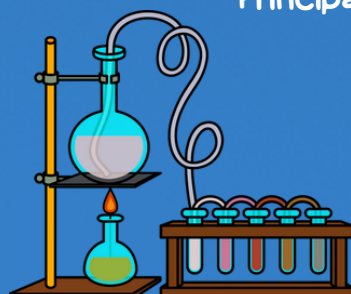
Welcome to the Third Edition of our Primary Science Newsletter! 🧐 ✨

Science is everywhere—in the sky, soil, seas, and even within us! 🌍

Let's question, explore, experiment, and discover the wonders around us. Who knows what exciting discoveries await?

Stay curious. Stay inspired. Keep exploring!
Happy Discovering!

Dr Karuna Prasad
Principal





GRADE -NURSERY

Activity

ICE CUBE MELTING ACTIVITY



What we did



Our little scientists had a cool time in the Science Lab! ❄️ ✨

Nursery students explored how an ice cube melts from a solid into a liquid by observing it for a few minutes. A simple experiment that sparked curiosity, observation, and joyful learning through hands-on discovery! 💙 🔬



Student Quote

"Melting ice, growing minds!" 🔬



GRADE -PREP

Activity.



APPLE INVESTIGATION:

"WHICH LIQUID SAVES THE APPLE?"

What we did ?



Our Prep learners enthusiastically participated in a hands-on science investigation to discover which liquid could help prevent an apple from turning brown.



MATERIALS USED:

Apple  Lemon , Salt , Baking soda , Vinegar , glass , Spoon  and Water



The young learners made predictions, carefully observed the changes in the apple slices, and compared their findings.

The activity helped them understand, in a simple and meaningful way, why cut apples change colour when they are exposed to air and how certain liquids can slow down this process. The activity encouraged curiosity, observation, prediction, comparison, and scientific thinking, making learning both interactive and joyful.  



STUDENT QUOTE

"I discovered why apples turn brown!"



GRADE I

Activity



Day and Night on Earth

What we did

Class 1 students participated in a fun hands-on experiment to understand day and night. Using a globe and a torch, they observed how sunlight reaches different parts of the Earth. The torch represented the Sun, and the globe represented the Earth. Students were asked, "Which side has day?" "Which side has night?" and "Does the whole Earth receive sunlight at the same time?" They observed that the side facing the torch was bright, representing day, while the side away from it was dark, representing night.

The activity helped students understand that the Earth's rotation causes day and night. It also developed their observation, curiosity, questioning, and scientific thinking skills.



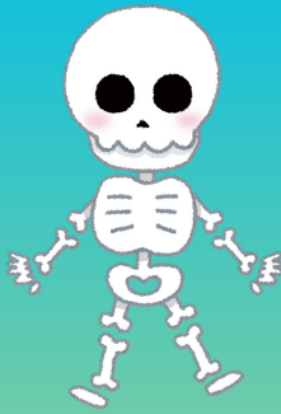
STUDENT QUOTE

"Now I know why we have day and night!"



GRADE II

Human Skeletal Activity What we did



The young scientists of Class 2 stepped into the fascinating world of the human skeletal system through an exciting and creative hands-on activity. Using simple ear buds, the students carefully created their own human skeleton models and explored how the different bones are arranged in our body. They learned that our skeleton provides shape, support and strength, while also protecting important organs. Students discovered that the skull protects the brain and the rib cage protects the heart and lungs. The activity sparked curiosity and encouraged children to observe, question, explore and connect their classroom learning with the amazing structure of the human body. It was a wonderful blend of creativity, scientific thinking and experiential learning, making science fun, meaningful and memorable for our young learners. 🦴🔬🌟



STUDENT QUOTE

"Science became real for me when I created a skeleton and discovered the important job our bones do."



GRADE -III

Activity

MIX, STIR & DISCOVER!
"SOLUBILITY TEST"



What we did

The students performed an activity to find out which substances dissolve in water. They took five substances—salt, sugar, soil, oil and chalk powder. Each substance was added separately to a glass of water and stirred well. The students carefully observed what happened.

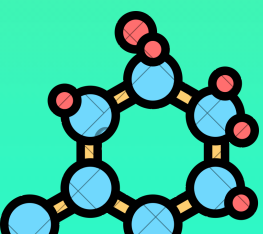
They observed that salt and sugar dissolved completely in water, while soil and chalk powder did not dissolve and settled at the bottom. Oil did not mix with water and floated on the surface.

Through this activity, the students understood that substances that dissolve in water are called soluble substances, while those that do not dissolve are called insoluble substances.



STUDENT QUOTE

💧 "We mixed, we stirred, and we discovered—water has its favourites!" 🧪 ✨



GRADE -IV

✨ Light Travels in a Straight Line

What we did

A simple and interesting science activity was conducted to demonstrate that light travels in a straight line. A special arrangement was made using a transparent plastic box and a mirror. The box was filled with smoke to make the path of light visible. A laser beam was then passed through the box, and its straight path could be clearly observed through the smoke.

The activity provided a clear and practical demonstration of the rectilinear propagation of light, making the concept easy to understand through direct observation and hands-on learning.



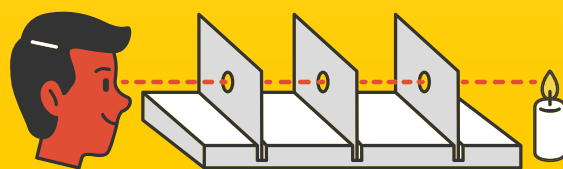
Materials Used

- Transparent plastic box
- Mirror
- Smoke
- Laser light



STUDENT QUOTE

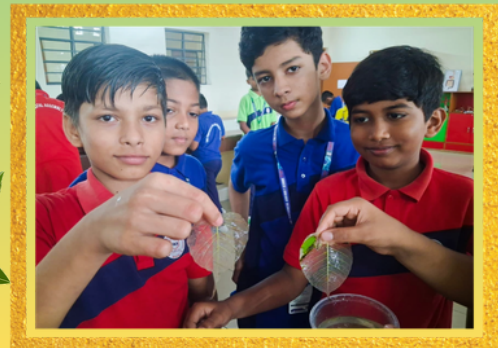
"Science became more exciting when I could see the path of light with my own eyes."



GRADE V

Activity

Leaf Skeleton



What we did

The students of STD 5 performed a Leaf Skeleton Activity using Peepal leaves over a period of two weeks. The activity helped them understand the structure and different parts of a leaf, including the role of chlorophyll, the green pigment that helps plants prepare food through photosynthesis.

Students observed the leaf skeleton and veins, prepared an observation table, and carefully labelled the different parts of the leaf. The activity enhanced their observation, recording, and scientific skills.

STUDENT QUOTE

"Every leaf is a little laboratory where nature creates the food of life."



SPECIAL ACTIVITY

From Corn to Popcorn: A Popping Science Adventure!

Students of Classes III–V explored the corn plant from roots to tassels, observed its structure, and identified its reproductive parts. The excitement grew when they investigated how corn kernels transform into popcorn!

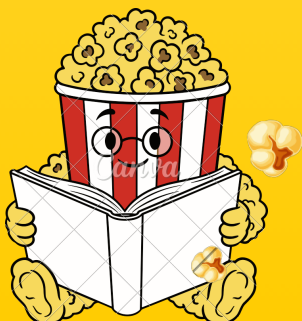


Through hands-on observation, students compared corn and popcorn, measured changes in weight and volume, prepared observation tables, and recorded their findings like young scientists.



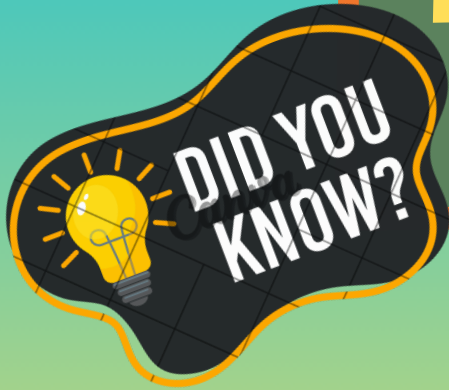
STUDENT QUOTE

"We didn't just watch the corn pop —we made science pop!" 🌽 🍿





FUN FACTS



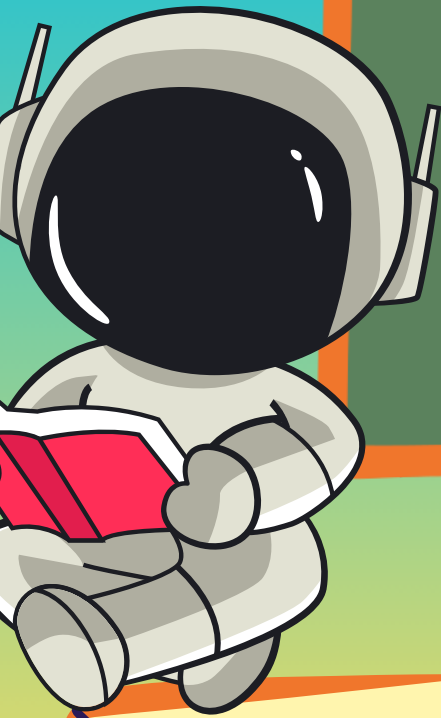
Science facts related to experiments, suitable for young students:

☀️ FUN FACTS!

🔍 DID YOU KNOW?

1. 🐙 Octopus Mystery – An octopus has three hearts!
2. 🐌 Slow but Strong – Some snails can carry objects many times heavier than their own body!
3. 🦋 Butterfly Tastes with Its Feet! – Butterflies have taste sensors on their feet that help them identify food.
4. 🐧 Penguin Feathers - Penguins have many tiny feathers that help keep their bodies warm in cold water.
5. 🐝 Busy Bees – Bees communicate the location of flowers using a special waggle dance.
6. 🌙 Moon Magic – The Moon does not make its own light. It reflects light from the Sun.
7. ☁️ Clouds Have Weight! – Even though clouds look light and fluffy, they can contain a huge amount of water.
8. 🐘 Elephant Communication – Elephants can communicate using very low sounds that humans may not be able to hear.

MYTHS VS FACTS

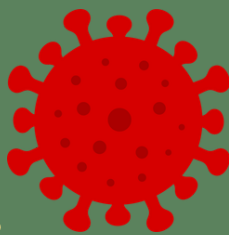


Myths



Myth -Plants
do not
breathe.

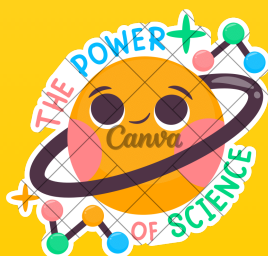
Myth-All
bacteria are
harmful.

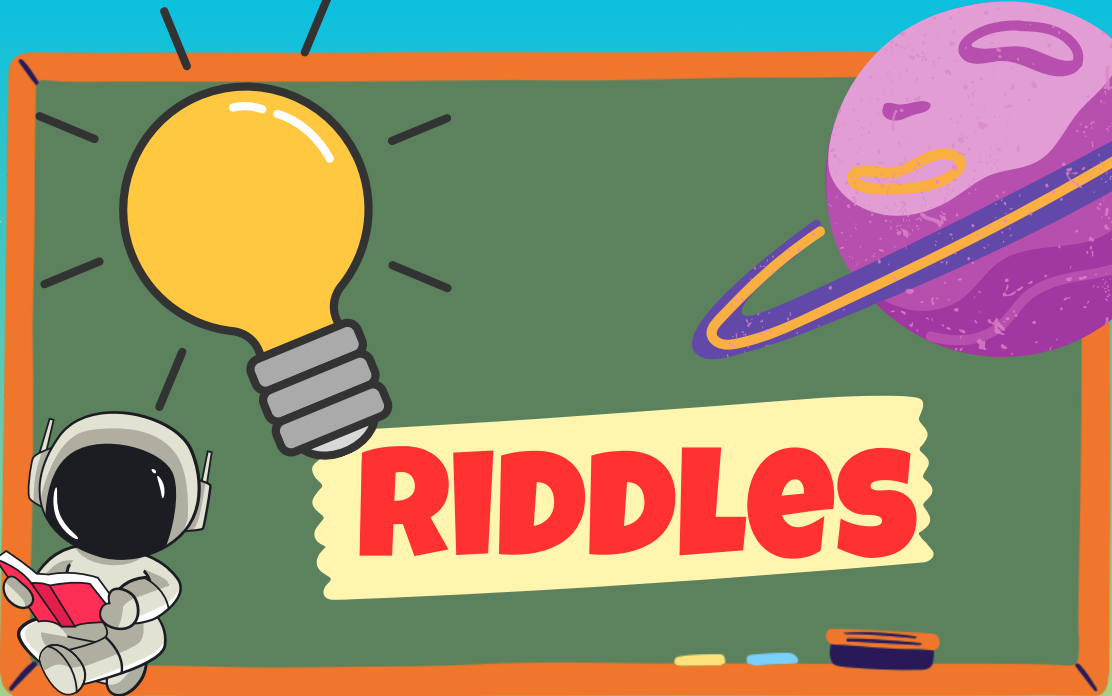


Facts

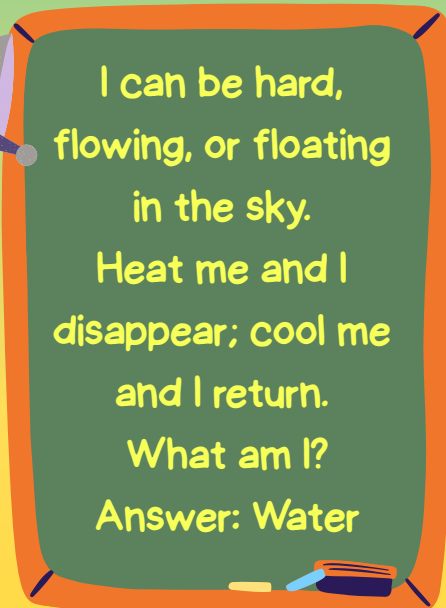
Fact-Plants also breathe and
exchange gases through tiny
openings in their leaves

Fact-Some bacteria can
cause diseases, but many
are useful and help us in
digestion and food
production.

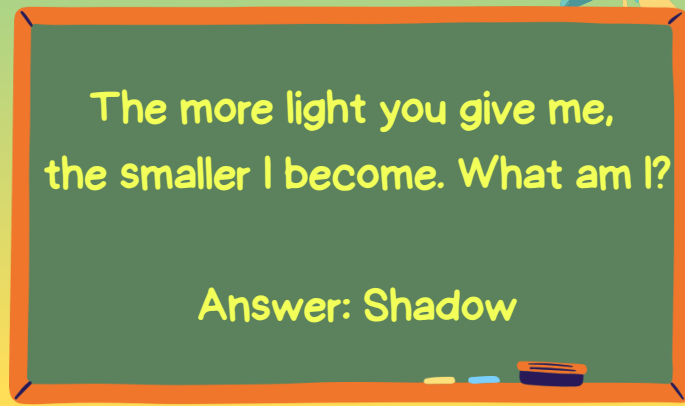




RIDDLES

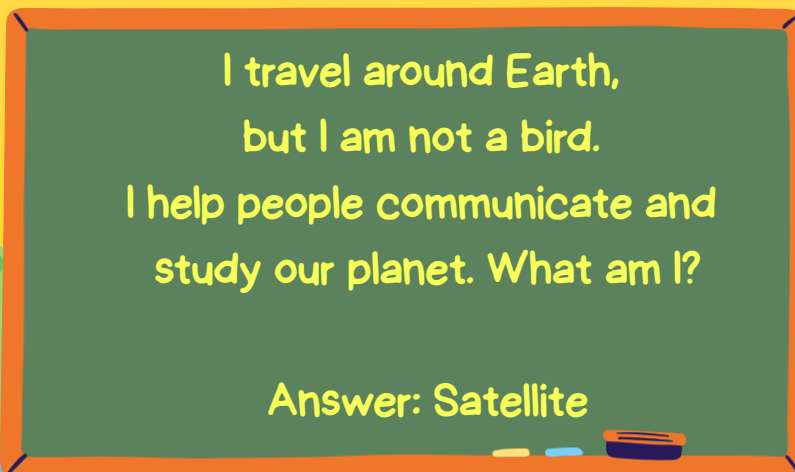


I can be hard,
flowing, or floating
in the sky.
Heat me and I
disappear; cool me
and I return.
What am I?
Answer: Water



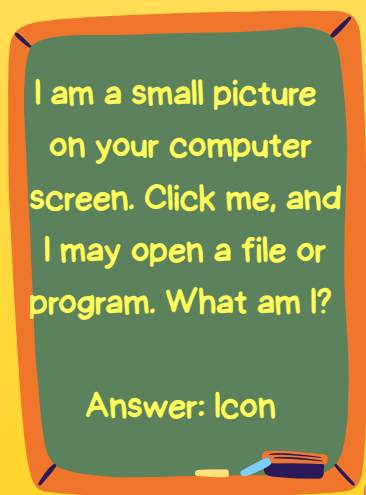
The more light you give me,
the smaller I become. What am I?

Answer: Shadow



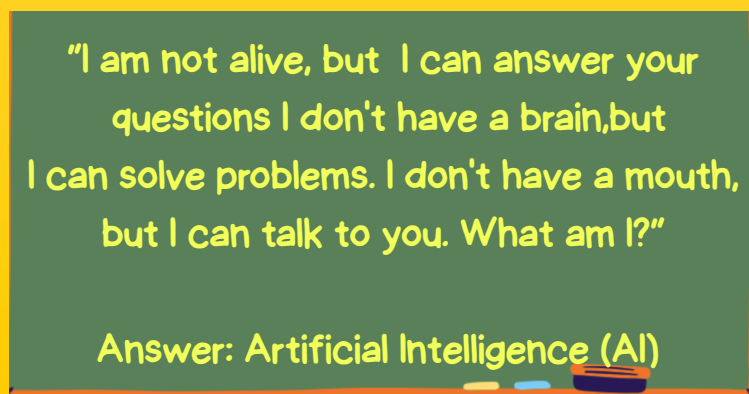
I travel around Earth,
but I am not a bird.
I help people communicate and
study our planet. What am I?

Answer: Satellite



I am a small picture
on your computer
screen. Click me, and
I may open a file or
program. What am I?

Answer: Icon



"I am not alive, but I can answer your
questions I don't have a brain, but
I can solve problems. I don't have a mouth,
but I can talk to you. What am I?"

Answer: Artificial Intelligence (AI)



TRY AT HOME



2. Pepper Runs Away



What to do: Sprinkle black pepper on a bowl of water. Put a little liquid soap on your finger and touch the water.

Science fact:

Soap changes the surface tension of water.

What happened:

The pepper quickly moves away from the soap.



1. Balloon Static Electricity

What to do:

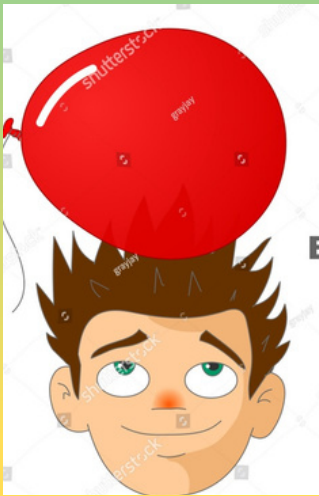
Rub a balloon on dry hair or woollen cloth. Bring it close to tiny pieces of paper.

Science fact:

Rubbing creates static electric charges.

What happened:

The paper pieces jump towards the balloon and stick to it.



3. Make a Simple Water Filter

What to do:

Cut the bottom of a plastic bottle and place cotton, sand and small stones in layers. Pour muddy water through it.

Science fact:

Different layers can trap dirt and particles from water.

What happened:

The filtered water looks clearer, although it is not safe to drink.

UPCOMING ACTIVITIES



O - ORGANIC LAYER

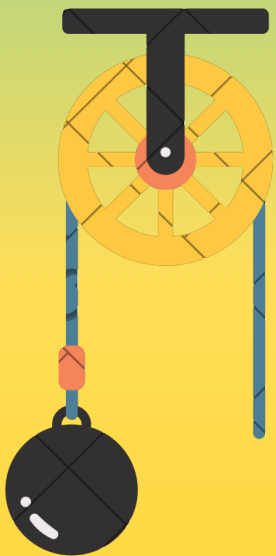
A - TOP SOIL

E - ELUVIATION LAYER

B - SUBSOIL

C - PARENT ROCK

R - BEDROCK



The Leaf Breathing Mystery .



Properties of Air.



Sink and float



Soil Profile.



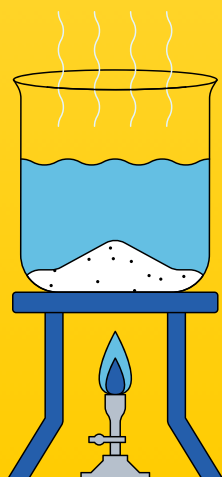
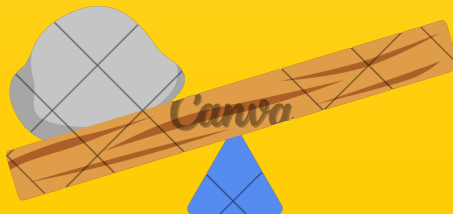
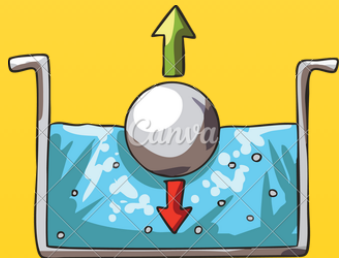
Attraction & Repulsion Activity



Simple Machines



Sedimentation, Decantation and Filtration





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