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BUDDING SCIENTISTS

Primary Department
Pusa Road Campus

EDITORIAL

At Bal Bharati we are passionate about making science fun for our students. The activities meticulously planned are interesting, innovative and easy to do and require only equipment and materials commonly found.

'Budding Scientists' offers endless creative learning opportunities which lead to development of critical thinking. Most children learn more by doing things rather than by just reading, watching or hearing about it. As such, providing hands-on learning can have a profound effect on learning in schools, particularly on science teaching. Children are naturally curious and science activities are a great way to help them explore the world around them. Learning how to think logically and follow a scientific process has huge benefits to children as they grow up, helping them to plan, communicate, work creatively, solve problems and much more. The club activities involved teaching the students how to observe everything around them, plan a process to test their hypothesis, put the process into motion and drive it to successful completion. In the end, they were able to explain the results they have obtained from the process.

We had such a great time coming up with new ideas, and performing the activity each time.

Club Masters
Lata Goel | Lipika Kalra

“Great scientific minds are shaped early by unforgettable experiences . . . and some miracle moments.”
— Dr. [A.P.J. Abdul Kalam](#)



Making of Rainbow Paper

The students made rainbow paper using nail enamel and paper in the activity conducted on 20.04.17. The rainbow paper made by the students reflected the rainbow colours when put under the sun. It was a very interesting activity for the students.



Balloon Rocket

In the activity held on 20.07.17, students explored the working of a rocket with the help of a simple experiment using materials like straw, balloon, string and cello tape. They tried their hands on the experiment after demonstration by the teacher.



Experiment - Does an Orange Float or Sink?

A fun-filled science experiment on density was done by the students on 24.08.17. They observed that an orange floats on the surface of water, but when the rind of the orange is removed, it sinks in water. The scientific principle behind the occurrence was discussed and explained to the students.



Making a Rocket with Paper and Straw

The students made their own paper rocket using straws, paper cone & tape on 21.09.17. They were demonstrated the procedure through a live demonstration by the teacher. They enjoyed launching their rockets into the air by blowing at the open end of the straw.



Experiment–Making Invisible Ink

A fun-filled experiment was conducted by the students on 27.10.17 wherein they made invisible ink using lemon juice and water. They used the ink to write a secret message on a blank paper and read the same in the light of a torch. The students found the experience magical. The reason behind the occurrence was explained and the oxidation property of lemon juice was highlighted.



Light and Shadow Experiment

The students explored the concept of Light & Shadow in the activity conducted on 23.11.17. To introduce the concept they were shown a video explaining why shadows are formed. They observed the phenomenon of formation of a shadow due to obstruction in the path of light. This was followed by a fun-filled activity in which the students used a torch and other objects to make shadows.



Experiment- Rain in Jar

The phenomenon of evaporation and condensation was explained through a live experiment by the club masters on 21.12.17. The students enjoyed the activity and joyfully cheered when they saw water droplets falling down in the jar.

A video was also shown to students to reinforce the scientific principle. The children recorded their observations on A4 sheet.





Making a Magnetic Fishing Game

The students explored the principle of magnetism and created their own magnetic game in the activity held on 22.1.18.

They first made a fishing rod with the help of a stick & a string and attached a magnet at the end of the string. They made fishes using colourful paper and placed a metal paper clip inside the fish. The students cheered with joy each time the magnetic rod attracted a fish.

PARENTS' DIARY

The shadow making activity performed in the class enabled my child Prabhnoor Singh to learn the concept of shadow formation during the day time. When the students obstructed the light coming from the torch, they were overjoyed to see their shadow on the wall. Thus the activity ensured learning by doing in the class which would help in the better understanding and retention of the subject matter.

Diljeet Kaur

M/O Prabhnoor Singh III-B

Arahant was so enthusiastic to perform the activity and to collect all the required material. He has now developed curiosity to perform activities that involves learning by doing techniques. He has also learnt to work in team, share and learn with his peers.

Dr. Soma Mitra,

M/O Arahant Kumar II-F

In Monthly Club Activity my son Aarav Parashar learnt to make a magnetic Fishing Game. He collected colourful Fish cutouts , sticks, wool, chopsticks, metal clips and old fridge magnets from home. After he enjoyed, making this game in the class we had lots of fun by playing and catching fish with the fishing rod at home too.

Alka Parashar

M/O Aarav Parashar III-H