28.08.2023

ICT and Science Week Report Grades I & II

"The intelligent use of science and technology are the tools with which we achieve a new direction."

The 'SCIENCE AND ICT WEEK' was organized for grades I & II from 21st to 26th August 2023. In order to enhance students' interest in learning science with the latest technology, interesting activities were held during the week.

The students participated with great zeal and enthusiasm by showcasing their hidden talents. These activities provided a platform to understand that science is a systematic way that involves observation and experimentation to get knowledge and improve skills, whereas technology is the practical application of science that helps improve the quality of life. The activities helped the children to showcase their knowledge and creativity.

Following are the glimpses of the activities conducted:

❖ **ASSEMBLY**

The special week assembly was conducted by class II-B for the 'ICT and Science Week'. The theme for the assembly was 'The Digital Footprints'. The assembly commenced with the morning prayer and the thought for the day related to our theme. The national, international, sports and weather news were shared by the children. The script took the children to a classroom scene where the teacher introduced the class to detective Byte who is a cyber sleuth, he teaches the children to remember to have fun while learning but at the same time to stay safe in the digital world.

The meaning of digital footprint was explained in the assembly, it refers to the traces of information we leave behind when we use the internet or smart devices.

Th children also showcased a science experiment based on the magnet by using a fishing rod. They explained that every magnet has a north pole and a south pole, so when you place the north pole of one magnet near the south pole of another magnet, they are attracted to one another. This assembly showcased a good amalgamation of both **science and ICT.** Later a quiz session was conducted for both the grades.

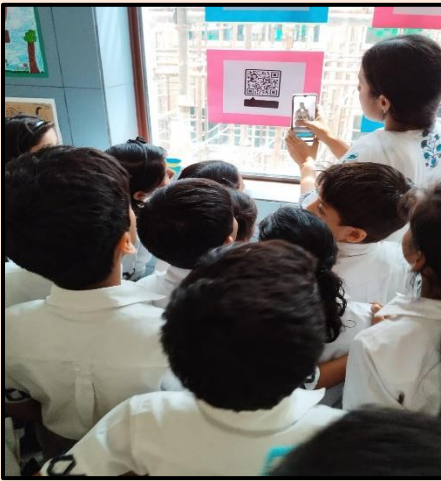Finally, the assembly came to an end by a few encouraging words by Ms. Sangeeta Bagchi.

Last but not least the birthday children were invited for their birthday celebration and the national anthem was sung too.

❖ **CODER- DECODER**

Coding is the process of encrypting a word, a number, or a pattern in a certain pattern or code based on the rules which are set. The process of decrypting a pattern into its original form from provided codes is known as decoding. Our students enjoyed exploring some QR codes pasted around the school premises which were created during ICT class. They also enjoyed scanning these codes and decoding relevant information related to some science facts.

❖ **CHITCHAT WITH SNAPCHAT**

The Snapchat activity aimed to engage grades I and II students in a creative and interactive way centered around emotions and emoticons. The objective was to help young learners develop an understanding of different emotions while fostering artistic skills through the creation of funny emoticons.

The activity was designed to be an enjoyable and educational experience for the students. They will understand the concept of emoticons and their visual representation. The students were encouraged to pick a mix of positive, negative, and neutral emotions and affix them on a cardboard face with the help of Velcro dots as a versatile adhesive for attaching the paper emoticons to the cardboard face without seeing them. They will come out with funny faces and the moments were captured by the teacher. They had a good time and enjoyed a lot while doing the activity.

❖ BUDDING INVENTORS

 Our little inventors made their own devices using recycled materials.
Grade I children designed a phone using paper cups and thread. This activity helped them to learn that sound travels through the air in the environment.

Experiments related to lights are always fun, especially when they involve rainbows! In this science activity, **grade II** children made their own spectroscope-an instrument used to split light into different wavelengths. The children enjoyed seeing the formation of rainbow.
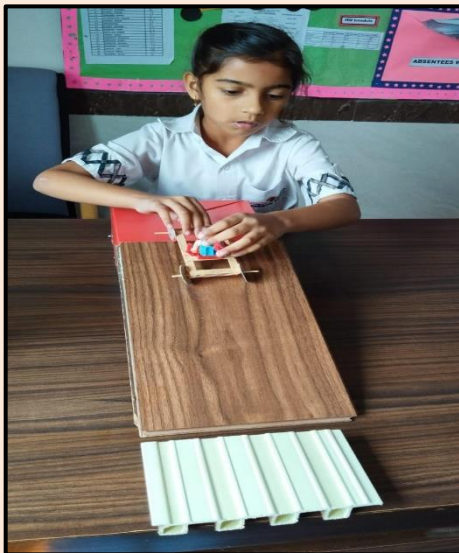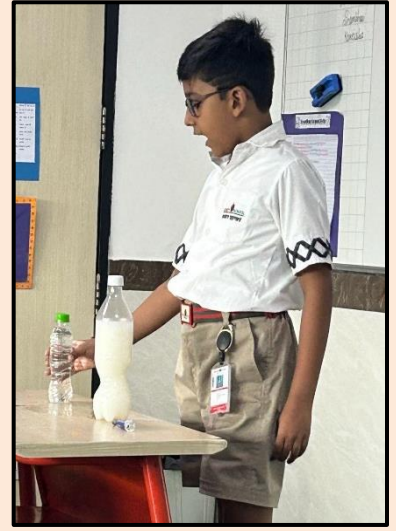

❖ GRADE I: A DAY AS A ROBOT

This was an interesting activity, the children dressed up as ROBOTS and presented a song or a poem related to the latest technology. The children were dressed up like iPhones, Alexa, Google Home etc. They showed their creativity as well through different props used during the presentation.
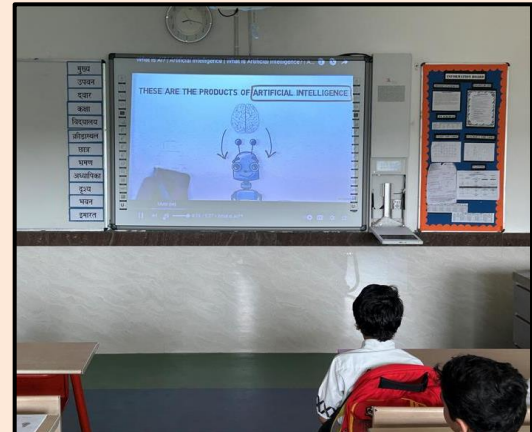
❖ GRADE II : I-SCIENTIST

Our little scientist demonstrated some innovative science experiments. They used interesting materials as props to explain topics like acidic base, density of water, the relationship between oil and water, sink and float, etc.

❖ EMPOWERING THE FUTURE

Our little children used their critical thinking skills to understand the capabilities and limitations of technology. An audio-visual session was conducted to make them understand the difference between human intelligence and machine intelligence. The children enjoyed playing some online games related to AI technology.

❖ EDUCATIONAL OUTING TO NATIONAL SCIENCE MUSEUM

To end the week with a bang, the children of grades I & 2 visited the National Science Museum to explore the connection between science and technology. National Science Centre, Delhi is one of the largest science centers in Asia and it is popularly known amongst its visitors as, *"A Dream Castle for One and All"*. The primary objective of the museum is to engage, educate and entertain visitors through thematic exhibitions, interactive educational activities and outreach programs. The children enjoyed the visit and explored the gallery with full enthusiasm and excitement.