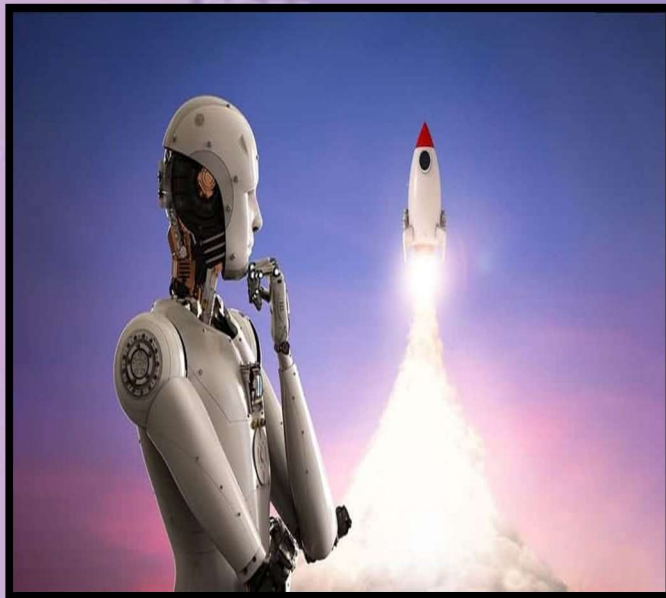


SCIENCE & ICT WEEK REPORT
'SCITECH FUSION'

Monday, 21th August – Friday, 25th August 2023

GRADE: I – IV

At Suncity, we endeavour to ignite imaginations and broaden horizons of our young scientists and future tech wizards. Considering this, the Science & ICT week was conducted in such a manner that it became a pathway for students to dive headfirst into the captivating world of scientific exploration and technological marvels. The students had an enriching experience through interactive workshops, hands on experiments, engaging discussions and fun-filled activities. These activities helped students to explore, discover and innovate like never before.

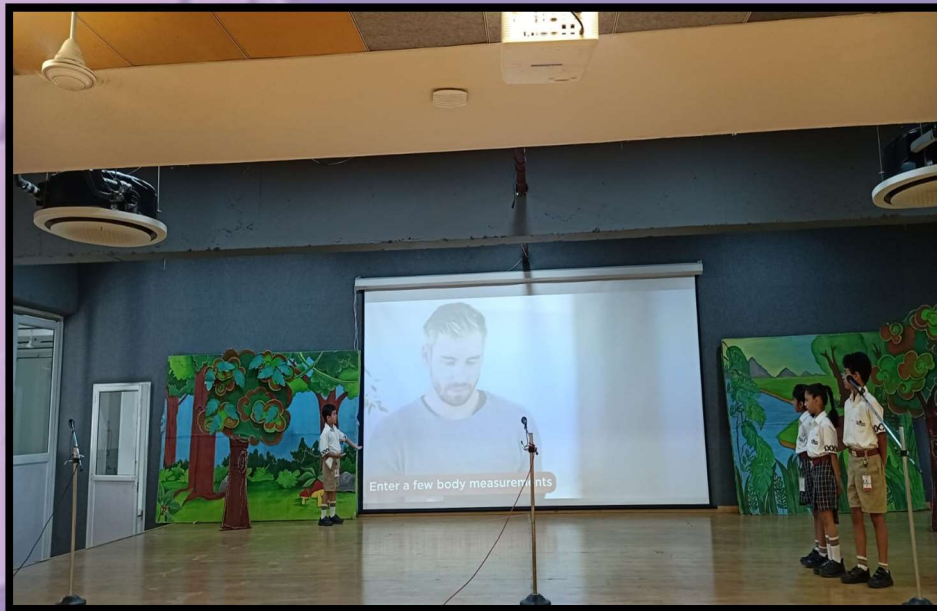


UBIQUITY: 'The fact of appearing everywhere'

At the commencement of this subject week, a **Special Assembly was organized on Monday, 21st August 2022**. The theme of the assembly was **"Science and Technology work hand in hand"**. Keeping this thought in mind, Students of grade 2A presented a special assembly to inaugurate the Science and ICT week. In today's world, the role of science and technology is indispensable. We need Science and Technology in every sphere of our life like to book a cab or train/flight tickets etc. With this thought, students presented the assembly with a short skit where they made others understand the importance of Science and technology in their lives such as using AI, GPS and Weather forecast.

The assembly concluded with a speech by our **Head of School Ms. Nandita Mathur** ma'am where she spoke to children about Chandrayaan-3. Students were excited to learn and explore more about Science and ICT week.





Glimpses of the Activities by the students

GRADE I – IV

During the **Science & ICT Week**, our budding scientists participated with great enthusiasm and explored all aspects of science in integration with ICT. Below are the glimpses of the activities which were conducted this week that enabled the students to enrich their scientific enquiry skills, broaden their horizons and build their logical skills.

TUX TYPING (I - II)

“I do not fear computers. I fear lack of them.” - Isaac Asimov

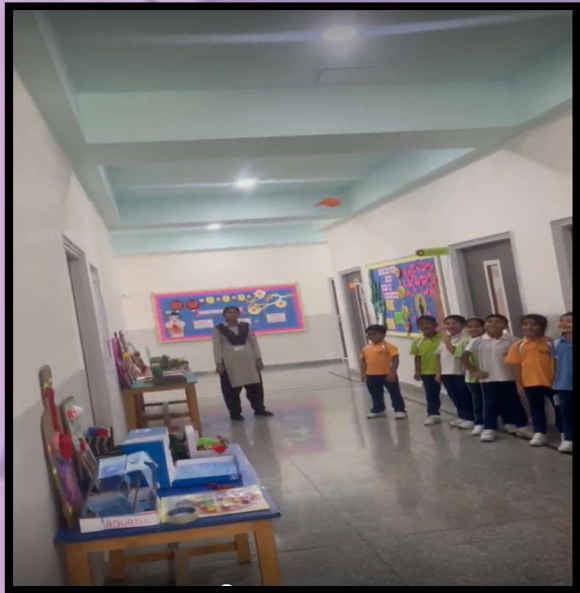
In an exciting blend of science and technology, the young Grade I and II students embarked on a cosmic journey to enhance their typing skills. With the help of computers, they played a game in the vast expanse of our outer space. The Virtual space game allowed students to learn the placement of alphabetical keys on the keyboard. Just as astronauts need precision to operate spacecraft, these budding learners discovered that accurate typing requires placing their fingers on the right keys. This engaging fusion of science and computer skills not only sparked their curiosity about the cosmos but also laid the foundation for efficient and accurate typing in the digital age.



Science of Space (Grades III - IV)

“If you wish to understand the universe, think of energy, frequency and vibration”

Rocketry has existed for hundreds of years. Although the technology has greatly improved and there are numerous methods for propelling a rocket, the simple science behind rockets has always been the same. To propel a rocket, some kind of force must be expelled from the rocket in order to push it forward. Students of Grade III and IV observed how a rocket balloon works. They understood the concept about how the rocket is propelled by pressure.



SPACE EXPLORATION

Engaging in a hands-on science activity, students delved into the world of physics by creating paper rockets. Armed with construction paper, tape and a dash of creativity, the students meticulously designed and assembled their rockets. As they launched their creations into the air, they witnessed first-hand the forces of thrust and gravity at play. The paper rocket activity showcased how learning by doing can transform complex scientific principles into tangible, exciting lessons that leave a lasting impact on young minds.



THE NEXT STOP—THE MOON!!

A special assembly on the success story of Chandrayaan 3 was organized which was an incredibly educational and inspiring experience for children. By breaking down the complex process of building and launching a spacecraft into simple, relatable terms, children could grasp fundamental concepts of Science, engineering and space exploration. They became eager to learn more about space, the moon, and the mysteries of the universe, encouraging a lifelong passion for exploration and discovery.



SCIENCE MANIA: SHOW & TELL COMPETITION (GRADES I & II)

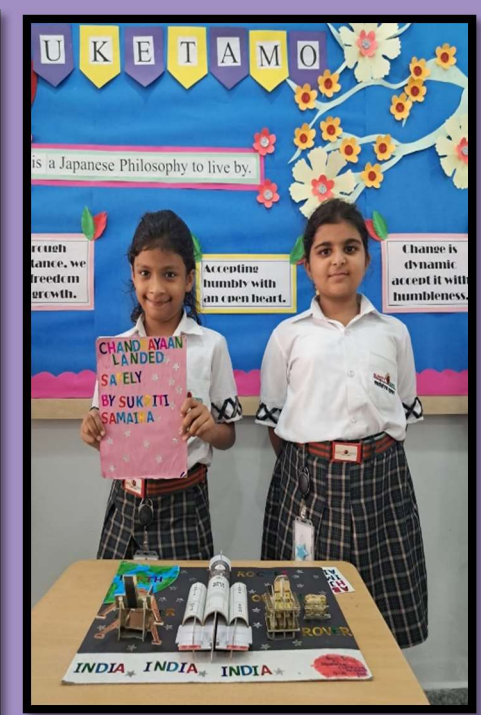
Students of Grade I and II participated in a transdisciplinary activity involving ICT and Science. Keeping this in mind, a Show & Tell competition was organized for the students as an enrichment activity. The students were excited to share their narration and waited eagerly for their turn. 3D models, charts and posters prepared by the students added to the enriching atmosphere. Students presented their Rockets during the session and shared about the Indian launch vehicles (Rockets), Indian astronauts and their accomplishments.



FULL STEAM AHEAD (Grades III & IV)

"We owe a lot to the Indians, who taught us how to count, without which no worthwhile scientific discovery could have been made!"

With the Chandrayaan -3 mission, students of grade III and IV were engaged in making rockets/ spacecraft on Thursday and Friday. The Chinese probably invented rockets in the 1200s. They made rockets by filling bamboo cases with gunpowder. At Suncity School Sec-45, students worked in different groups and as we say "Alone we can do so little; together we can do so much." They made wonderful models and also explained the material used and how it works. Rockets are used to launch spacecraft. They are also used to shoot missiles and fireworks. Some working models were also made to help other children understand how air pressure plays an important role in the working of a rocket/ spacecraft.

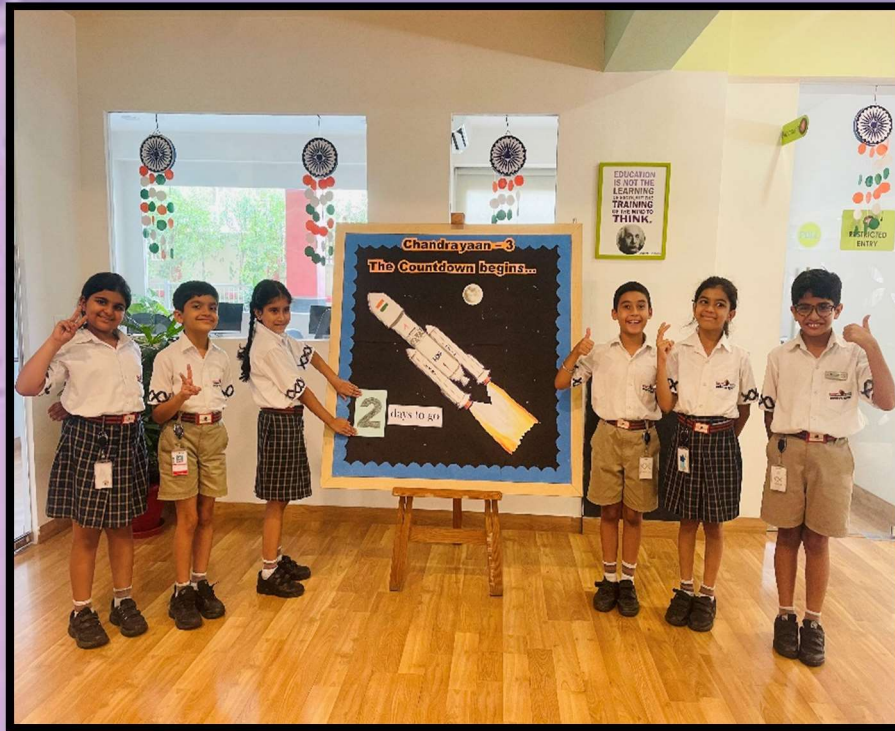




CHANDRAYAAN -3 : THE COUNTDOWN

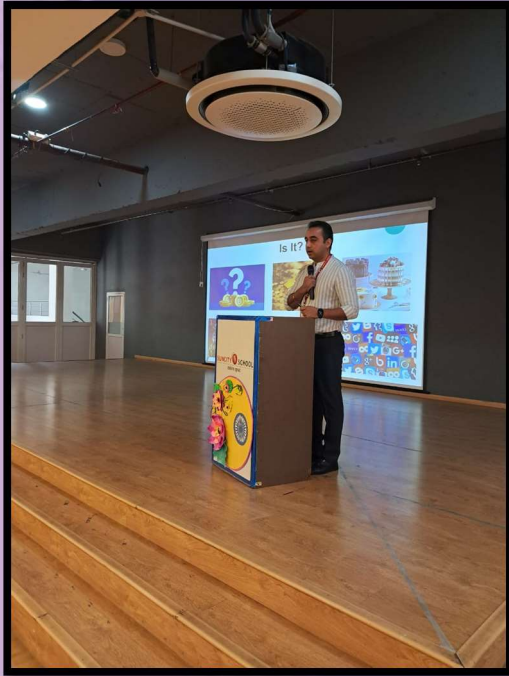
Chandrayaan-3 is India's third mission to explore the Moon, and it's a mission filled with lots of excitement and wonder. Not only were the scientists and space enthusiasts all over India, counting down to this special event, **Our Suncity Family** too started a countdown for this special event.





CULMINATION OF THE WEEK - CYBER SAFETY

The next highlight of the week was the Special Assembly on 'Cyber safety'. Teaching cyber safety to students in grade I to IV is of utmost importance in today's digital age. A special invitee, Mr. Deepak Bhardwaj, who is a Computer Science Professional with over 18 years of work experience in the field of Information Technology addressed the students and talked about CYBER SAFETY. He incorporated cyber safety education to ensure that children start their online journeys with the knowledge and skills needed to protect themselves, interact positively with others, and make the most of the digital world while staying safe.



WINNERS OF THE ICT AND THE SCIENCE WEEK

We extend our warmest congratulations to all the winners for their incredible achievement. Their hard work, dedication, and outstanding performance has truly paid off. It's a testament to their intelligence, perseverance, and unwavering commitment to excellence. Their success at this level is just the beginning of a bright future filled with endless possibilities. Keep nurturing your love for learning, exploring new horizons, and challenging yourself, as there are no limits to what you can achieve.

The winners from all the grades of the ICT and the science week were:-

CLASS & SECTION	NAMES OF THE WINNERS		
Grade 1A	SHIVAYA GOEL	SHAURYA CHAUDHARY	BHAVYA
Grade 1B	MITRAA VORA	ASHVI BAIJAL	KRISHIV AGARWAL

Grade 1C	SEHAJLEEN KAUR	ARIANA JAIN	AANYA DHANADIA & SHAURYA MAHESHWARI
Grade II A	KRIYAN KAUSHIK	KEYAN SINGH GURUNG	ADVIT DADHICH
Grade II B	SAHIR SOOD	PARV GOSWAMI & SHANAYA KATHURIA	KARTIKEYAN VASHISTH & REYANSH GUPTA
Grade II C	NEYMAT KAUR VEDI ,SHIVALI SAGAR	YASHVEER CHOUDHARY	MEHER KUMAR
Grade III A	REYANSH SHARMA, KAVISH GUPTA, KRISHA AGARWAL, KHWAHISH DAHIYA	JASRAAJ MOHAN SINGH SOOD, GRANTH MEHRA, DHUN KHATTAR, ISHMAYRA ARORA	ADITYA KUMAR, ARISHKA SANGHI, ANANYA KAKKAR, ANANYA GAUTAM
Grade IV A	RENIT THUKRAL, RAYAA THUKRAL, REYANSH ARORA	AVYAANSH SINGH, ARYAMMAN KHURANA, AYAAN KUMAR	KRITVIK GORIYA, KHUSH GOEL AND MANIT GIRDHAR

The week-long activities enhanced the thinking and creative skills of the young ones. It also made them aware of the involvement and importance of science and computers in our life. The ICT and Science week was a success and intrigued students about the exciting world of Computer and Science.

"Imagination is more important than knowledge.

For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution."

— Albert Einstein

Warm Regards,

Science and Performing Arts Department