

SCIENCE AND PERFORMING ARTS WEEK-A REPORT

'SYMPHONY OF SCIENCE'

Monday, 22th August – Saturday, 27th August 2022

GRADES: I – IV

At Suncity we endeavour to find multiple means of feeding every child's curiosity. Ever mindful of this, the **Science and Performing Arts** was conducted in such a manner that it became a pathway for students to learn, explore and create. Through their participation, the students displayed a balanced integration of skills and knowledge. The plethora of specially designed learning activities focussed on helping students master the essential twenty first century skills, namely – creativity and imagination, communication and collaboration skills- required for a successful future.

Symphony of Science

“Zumba offers a new approach to fitness and evokes the same love and passion that dance does.” – Will Adams

At the commencement of this subject week, a **Special Assembly was organized on Monday, 22nd August 2022**. The theme of the assembly was **‘Science of Music: A Gala Session’**. The assembly started with the customary Morning Prayer. The attraction of the day was a **session with Mr Arun Chauhan and Ms. Dolly Chopra**, both Zumba instructors at a very renowned dance academy.

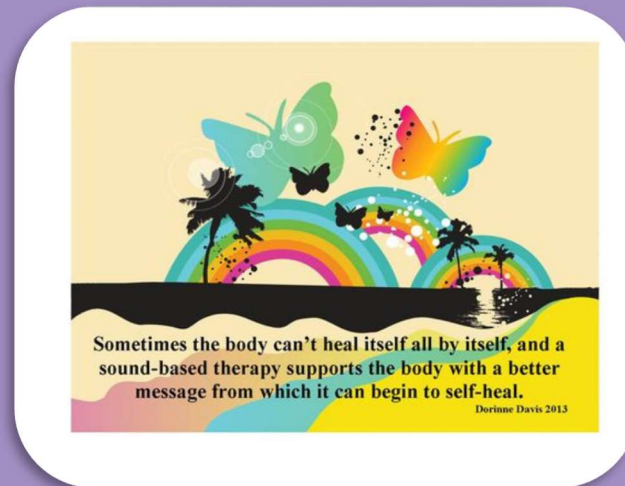
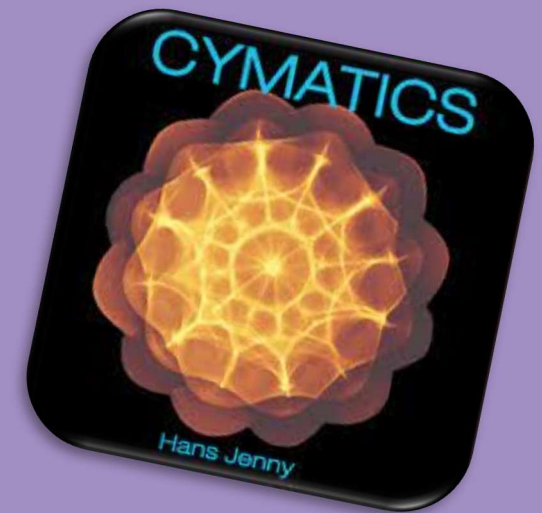
Grooving to the beats of salsa, flamenco, and merengue music feels more like a dance party than a workout, which is exactly what makes Zumba so popular. The Latin-inspired dance workout is one of the most popular group exercise class in the world. Zumba is an interval workout. The classes move between high- and low-intensity dance moves designed to get your heart rate up and boost your cardio endurance. Mr. Chauhan and Ms. Chopra conducted an amazing Zumba session for the students.

The head of the School, Ms Nandita Mathur delivered the vote of thanks and congratulated the team for their hard work.



ACTIVITIES CONDUCTED DURING THE WEEK

The Science and Performing Arts week created an exuberant atmosphere as the students exhibited their **Scientific and Performing Arts skills**. Science and Performing Arts opens the door for students to experience and explore new ways of thinking. It was indeed a delight to watch students participate in a plethora of activities along the learning journey continuum - exploring the process of trial and error, creating and innovating something new, experimenting and finally succeeding. Students exhibited synergy between Science and Performing Arts and participated with full enthusiasm and zeal.



Glimpses of the Activities

GRADE I – IV

During the **Science and Performing Arts Week**, our budding scientists participated with great enthusiasm and explored all aspects of science in integration with the Performing Arts. 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.

Book Fair (I - IV)

“Books are the quietest and most constant of friends; they are the most accessible and wisest of counsellors, and the most patient of teachers”.

A Book Fair was organized during the course of the Science & Performing Arts week. On Tuesday, 23rd August and Wednesday, 24th Aug. 2022 the school foyer area wore a festive look with racks of books displayed everywhere. There were numerous books for different age groups. It also became a great meeting place for our budding book-lovers. A Book fair spreads the message that books are our best friends and companions that expand our vision and make our life more meaningful. Every child who visited the fair was full of excitement and curiosity; each child was on a mission to locate a book/s that fascinated them and provided an opportunity to develop new personality traits.



SCIENCE OF SOUND (Grades I & II)

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

Musical instruments are universal components of human culture. The production of sound is a scientific phenomenon which the children grasped through an age-appropriate and fun activity of constructing percussion instruments. The children learnt by experimentation and observation how the sound produced by an instrument can be affected by many factors, including the material from which the instrument is made, its size and shape, and the way that it is played. Children experienced different types of sounds and were guided to make different musical instruments. Students of Grade I made “Maracas” using paper cups and kidney beans. Children of Grade II constructed models of musical instruments such as “paper tambourines” by using easily available material. They observed the musical instruments to understand how music is produced. The learners were engrossed in creating their own musical masterpieces and gave them a personal touch by beautifying the instruments with colours.



“Music experience has the potential to boost broader cognitive skills that enhance children’s abilities to detect, expect and react quickly to patterns in the world, which is highly relevant in today’s complex world.” Patricia Kuhl

Students of classes I and II also experimented with simple musical instruments eg. Shaker Beans and Paper Tambourines. Each one created the instrument and then participated in exercise to understand the rhythms. The experience focussed on attributes of working in harmony to create harmonious and pleasing music and sound and the importance of collaboration in every walk of life to achieve success. They sang along using shakers and created mesmerising music.



Science Mania: Show & Tell Competition (Grades I & II)

Students of Grade I and II participated in a transdisciplinary activity involving Performing Arts and Science. Keeping this in mind, 'Science Mania' the 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. The children sang and danced to demonstrate the various scientific concepts (eg. night & day, four seasons, solar system etc.) through their inspiring presentations which helped them get a realistic appraisal of their skills.



EXPLORING MUSIC IN NATURE (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!"

Our world is filled with melodious natural sounds and from the earliest times human have been intrigued and inspired by this magical "soundscape" of music and nature. Birds are natural musicians– they sing! Or, rather, we hear their communication as singing. Students of grade III & IV researched on different kinds of birds – ones with singing ability- with emphasis on how they learn to sing, differences in birds songs based on geographical location etc. Lots of inquiry and research was done by students and their learning was encapsulated through presentation given by them on their findings.



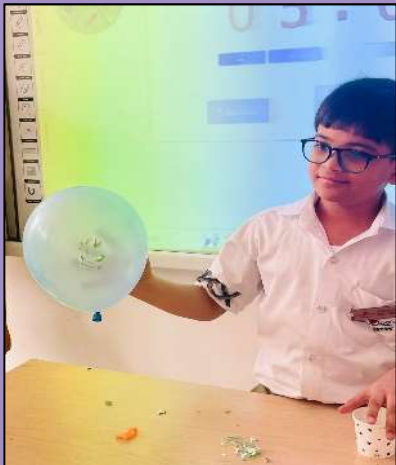
CYMATICS- VISUALIZING SOUND

Cymatics is the study of visible sound vibration. Students did an experiment where they saw different patterns formed by the salt when it comes in contact with sound vibrations at different frequency. They also researched and explored history of Cymatics and Chladni plates. The whole magic started by sprinkling salt on the plate and modulating the frequency of the sound until a constant pattern was obtained. Different shapes were formed by salt particles on the plate at different frequencies which were captured in the camera. Finally, their reflections were taken through the drawing on different patterns.



Science Mania: Show & Tell Competition (Grades III & IV)

Students of Grades III and IV performed various experiments in the class which enhanced their knowledge about the inventions we use in our daily life. Students performed various experiments/ displayed models of- solar panel, mirror and its uses, static electricity, glass prism, working of a fan etc. Working models were developed and every student donned the hat of a little scientist. All the students participated in this activity and collectively gained practical knowledge about scientific devices that have transformed our world.



Students were appreciated for their presentation and certificates of appreciation were given to the following students:

GRADE I A- SAANVI NEGI, KIAAN, KRIYAN KAUSHIK, LAKSHYA BHARDWAJ

GRADE I B – SHANAYA KATHURIA, ADVIK BHARDWAJ, PRANVI LEUVA, SHIVALI SAGAR

GRADE I C –ARSIHYA YADAV, ADHRIT GOEL, KEESHA PAL DINKAR, AYAANSH GUPTA

GRADE II A—SPARSH MUNJAL, ANANYA KAKKAR, JASRAJ MOHAN SINGH SOOD, REYANSH SHARMA

GRADE III A- ANOUSHKA ONKAR, HEEYA KAUSHIK, HRIDAAN MEHEN AND AADHYA MINOCHA

GRADE IV A – PIYANSH JAIN, ATHARV KALRA, KAVYA ARORA, SAISHA PANDEY, REYANSH ARORA, MOHIK DAGAR

GRADE IV B –SAISHA KHANNA, TANMEY GUPTA, AARAV BANSAL, MADHAV DADHICH

SPECIAL ASSEMBLY

The next highlight of the week was a Special Assembly 'Flora & Fauna'- was presented by the students of Grades I-IV to educate their peers about the necessity of conservation of trees. The assembly aimed at sensitising one and all present on how our planet is being subjected to pollution due to the ill effects of tree cutting and felling. It emphasised we should undertake the task of planting more trees to save our planet. The assembly culminated with an inspiring skit and a foot-tapping dance; this musical performance highlighted the peril that Mother Earth is facing due to deforestation.



EDUCATIONAL OUTING (Grades I - III)

“Tell me and I forget. Teach me and I remember. Involve me and I learn”. -Benjamin Franklin

Educational trips not just help in building closer bonds within the group, but they also lead to experiential learning. The Science and Performing Arts week was concluded with an outing on Saturday, 27th August 2022 for the students of Grade I to III to PVR Cinema, Star Mall to watch 'The Lion King – Sing Alone', an animated musical drama. The visit was indeed an enriching experience for the students.



“Museums are the places that ignite young minds. Museums inspire.”

‘Museo Camera: Centre for the Photographic Arts’ is a museum, situated in sector 28, Gurugram and it showcases both, the art and science of photography. This museum houses a rare collection of antique cameras, from across the world, that date back to the 19th century when photography was formally introduced.

Students of Grade IV visited the Museo Camera on Saturday, 27th August 2022. There they had the opportunity to see many antique cameras and photographs. The students explored the world of photography by observing models of cameras and a studio where films/photographs are developed. The students enjoyed the trip thoroughly.





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 of sound in our life. The Science and Performing Arts week was a success and intrigued students about the exciting world of Science and Performing Arts.

“Be a flower. Be a seed. Let your growth arouse curiosity.

Let it fascinate and amaze.

Let it inspire the artist and the scientist. Let it shock the doubters.

Let it grant hope to the hopeless.

Let it begin in silence, and end with a loud bang.

Don't be an open book - be mysterious. Be extraordinary, be undefinable, be a ball of fiery fire, and above all, grow in silence, and let your success do the talking.”

— Michael Bassey Johnson,