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THE NEWSLETTER

October 2017

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Welcome !

“A fiesta filled with memories, sky full of fireworks, mouth full of sweets, houses lit with divas, and hearts filled with happiness……..”. This in a nutshell has been the month that whisked by!

Welcome back to yet another edition of our endeavors at NPS KRM. Let us continue to celebrate the new beginnings.

MAJOR EVENTS

Khoj 2017

'Khoj', the triennial science exhibition explored and celebrated the Spirit of Science on the 11th& 13th of October. The two day event ear marked separately for the primary classes & the senior school was inaugurated by Director, NPS group of schools, Dr.BinduHari.

The school campus turned into the Ministry of Science and various classrooms into the departments of Physics, Chemistry, Biology, Mathematics, Computer Science and Social Science. Each department was an intensive and rewarding experience, be it the unexpected applications of the principles of Electromagnetism, science behind Biological Warfare and Colours of Chemistry, decrypting Math and Art of Gambling or intelligent computing behind self-driven cars and smart homes. The young explorers from grades 1 to 5 traversed the kingdoms from earth to heaven in their study of plants, insects, human body, light, energy, and heavenly bodies

If the experiments blew the mind of the visitors, the shows stole their hearts. The exuberantly colourful show 'Vibrant Karnataka' presented by the primary students depicted the diverse richness and glory of the state. It was studded with traditional folk dances, enactment and songs. Students of grade 8 beautifully captured the glorious and arduous moments in our country's journey into the 21st century and eventually, reflected on how far we have come to the awakening that Rabindranath Tagore had envisaged.

The three shows presented by the senior students seamlessly bound science and emotions. If in the 'Chamber of Secrets' the dangers of Biological weapons were dealt with, the 'Dark Arts' transported the audience to a fantasy land where the spells could be lifted by the magic potions made of chemicals. The 'Hall of Mjolnir' with several working models based on the principles of Electricity and Electromagnetic Induction challenged the audience to lift Thor's hammer and thereby save the ancient kingdom of Heimdall from the blighted curse of generations.

'KHOJ' inspired the entire NPS Koramangala fraternity to reach out to the stars through constant endeavours and challenges with the event motto 'Ad Astra PerAspera' leading the way.

Khoj Junior

Khoj Senior

We salute thee...

POVERTY

A visit to CERN, Geneva, Switzerland

On an "On Invitation Certified Program", a group of 15 students from grades 11& 12 of our school visited CERN, for a week long workshop in Physics. The program is the brain child of Prof Dr Mick Storr and Dr Archana Sharma to inspire the next generation scientists.

The most complex engineering to study the most fundamental physics, the biggest machines to collide the smallest particles – the juxtaposition is just startling! Students were in a maze of their own imagination while they met new people, explored places and wore scientist hats throughout their memorable trip to CERN.

The momentous discovery of particle physics started with an introduction by Dr Mick Storr and an esteemed Hungarian scientist, Dr Gabor Veres. A visit to the SYNCHOCYCLOTRON facility, helped the students understand its working. The senior Advisor for Medical Applications at CERN, Dr Manjit Dosanjh gave an insight into 'How Particle Physics can be used in the treatment of Cancer'. The British Theoretical Physicist, Prof Dr John Ellis, transferred his cognizance on 'Dark Matter, Super symmetry, gravity and black holes'. Prof Dr Albert de Roeck from Begium, an expert in 'Accelerator Physics', provided detailed insights on Dark matter, Super Symmetry, Extra Space Dimensions, Micro Dark holes etc. A visit to the SM 18, a cryogenic test facility, to test superconducting magnets between 0.1 to0.8 of the LHC, was an opportunity to watch the wonders of modern engineering. No doubt there are more engineers at CERN than scientists. A hands on activity on the making of the prototype of the first "Particle Detector", was exhilarating. A visit to the eye-catching structure called the 'Globe' and the twirling sculpture in the garden packed with formulae did not fail to swirl the minds.

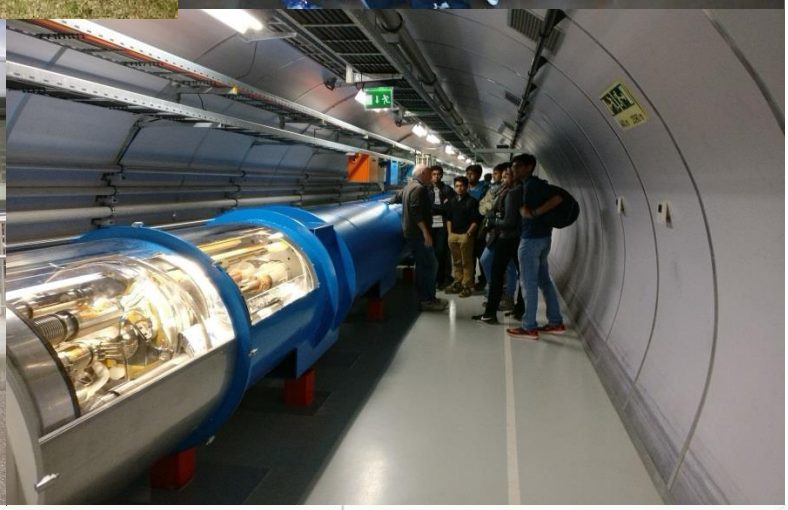
The lecture by Dr Simone Gilardoni, an Italian scientist at CERN, opened a new world of 'Proton Physics'. The interaction with Dr Archana Sharma, principal scientist at CERN and a member of the experiment that confirmed the 'God Particle' was an eye opener as to how one could take this forward as a career option. Simple anecdotes and the analogy of the 'Law of Compounding' were a divulgence to a few wrong assumptions. The Polish Scientist Dr Piotk Traczyk, took the students to a different level through his 2 hour 40 minute long lecture on 'The Compact Muon Solenoid Detector' (CMS). A rock star and guitarist, Piotk, proved to the students that passion and research can go hand in hand.

A visit to 'The CMS, built around a super conducting solenoid, optimized to detect Muons', was the highlight of the visit. Situated 80 m under the earth with a diameter of 6m, it has the strongest magnetic field compared to the other detectors ATLAS and ALICE, also parts of LHC, the world's largest and the most powerful particle collider. Students were flabbergasted with the mind-bending facts associated with it. The CERN visit culminated with the famous Treasure Hunt by Mr. Mick Storr. This turned into a memorable exploration of Geneva (and also a history lesson). Ticking clocks and strangers on the streets guided students through the day.

On the last day, students visited ChaMonix, France and the LA MER de GLACE, a valley glacier on the Mont Blanc. They braved the intense cold to trek the Alps. Students went to CERN as ambassadors of India but they returned as ambassadors of CERN, to talk about their experiences and to spread the magic of science. This will certainly take them a long way.

Accélérate

CERN
Universe of Particles
Univers de particules



ACHIEVEMENTS

Abacus Competition

In the Abacus Competition conducted by Prodigy Plus, **Anarghya Prabhu** of **Grade 4** secured the 2nd Position.

Xavage 2017

Xavage, the annual Business Fest conducted on the 31st of October 2017 was held at The International School Bangalore and attended by NPS Koramangala and her sister schools. Our students participated in a plethora of events ranging from Mock Stock and Debate to Product Launch and Best Manager amongst others. The events gave the participants a chance to showcase a multitude of skills required in the corporate world. Our students have done us proud yet again and emerged victorious, **winning the overall trophy.**

Best Manager- Rahul Bhattacharya – I Prize, Grade 12
The Enquirer- Press Event- Shiv Nair – II Prize, Grade 11

Madison Avenue – I Prize – Grade 12
Ashna Chander , Raga Rai , Ebbani Ray Lenka

Silicon Valley – I Prize- Grade 12
Rishab Nair , A. Krishnaditya

Shark Tank – III Prize – Grade 12
Meera Harish , Karan Khanna, Prithika R , Chandana Sathish

Business Quiz – III Prize
Ubaid – Grade 11 , Nikhil Ladi- Grade 12

ICube was held on 31 October 2017 at Deeksha PU College. The event was a Physics fest where in the students could translate their knowledge of physics to practical hands-on activity. It was indeed a refreshing change from the largely generic inter- school events. It was a comprehensive assessment of the students' understanding of the subject. We won prizes in the following events:

Nexus:(***Building a Rube-Goldberg machine using the materials given from the host school***)– **II Prize**

Abhinav Menon – Grade 10
Pranav R - Grade 10
Shashank Jayant – Grade 9
Vinayaka M – Grade 9

Vorstellen – **II Prize** (***Bike race- a DC motor was given to the students 3 days before the event, the students were asked to make a bike***.)

Athul M.S. – Grade 9
A.P. Vaideeswaran – Grade 9
Dhruv Gopal – Grade 10
Shyam S- Grade 10

Icube

Sports

Prakash Saran of Grade 3 won the MAT Open Tennis Tournament and was awarded for his Outstanding Performance in the Under 10 category by the Nature Tennis Academy. He was also adjudged winner of the Tournament organised by the Global Tennis Academy in both the Under 10 and Under 12 Category.

HIGHLIGHTS

TERI Green Olympiad Examination was conducted on 25th of October 2017 for Grades 4 to 10. A total of 121 students participated in this exam. Futuristic, it provided an excellent opportunity for students to assess their environmental quotient and covered a broad range of topics like water, energy, air, forest, biodiversity, climate, global warming, sustainable development, culture and current affairs pertaining to environment and sustainability. The purpose of this program was to create an environment conscious and well-informed national and international school network.

PSAT (Preliminary SAT) was conducted in school on 25th of October for Grades 10 and 11 and on 27th of October for Grade 9. A total of 87 students appeared for the test. Results will be announced in December, 2017.

Times Your Championship - The Times of India "National Scholarship Challenge" test was conducted on 4th of October 2017 at our premises, for students of Grades 5 to 10. The test assessed three main criteria – Intelligence Quotient, Emotional Intelligence and Creative Quotient. The results of the test are awaited and the winners will be intimated directly by the organizers.

MedicAlly - Not everyone is fortunate enough to have access to basic medicines and many often forgo treatment due to the expenditure involved. On the other hand, more advantaged households often have excess medicines being wasted away. In order to bridge the gap between the two groups, two of our students from Grade 11, Neha Sharon Jacob and Aditi Koul, have started an organization called **MedicAlly,** which organizes collection of unused and unexpired medicines from schools and apartments, followed by sorting and delivering the medicines to qualified medical practitioners who dispense these medicines to the needy.
During Khoj, on 11th and 13th October, MedicAlly held a collection drive where unused and unexpired medicines could be dropped off. With an enthusiastic parent and student participation we were able to collect Rs 12.5k worth of usable medicines. These have been donated to Snehadaan- an organization that treats and takes care of children with AIDS. The medication is extremely useful in treating an array of diseases they often contact due to their lowered immunities. We are glad that our school community could alleviate their pain to a certain extent at least.

The Joy of Giving Week organized annually by the NGO Goonj, was held between the 2nd to the 9th of October 2017. This year all efforts were directed towards helping flood victims find a place to settle themselves down. Our school, as it does every year, partook in this mega event. The collection of material pertaining to three distinct kits was specified. There was a family kit consisting of clothing, shoes, and toiletry; a school kit comprising school bags, shoes, uniforms, lunch boxes and notebooks and a dignity kit consisting of saris and suits, bed sheets, pillow covers etc. Needless to say, the collection drive was a huge success with contributions that poured in right from Grade 1 students, to very single faculty member of the school. In total, 35 huge cartons of basic necessities were collected and handed over to the concerned NGO.

Bata
SONA

OTHER EVENTS

Interhouse Event(Grades 9 to 12) - Story Writing

The Literary Club conducted an Inter house Story Writing competition in the month of October for students from grades 9 to 12. Participants were required to write a story with the prompt, "I opened the lock on the door and…"

Abhinav Menon (Challengers) walked away with **1st Place**, **Surabhi Jain** (Pioneers) and **Niveditha S Iyer** (Challengers) **bagged** the 2nd and 3rd places respectively.

Teachers' Workshop

On 14th October 2017, Ms. P. SreeVidhya attended a seminar ''Nurture the child" conducted by Brindavan Education Trust, at Satya Sai SamkruthaSadanam, Bengaluru. The seminar emphasized on creating a safe learning environment for children in order to foster positive socio- emotional health.

Parent –Teachers' Conference -KG 1 and 2 held their Parent Teachers meeting on 28th October 2017. The Report and assessments for Term 1 were handed over to the parents after a brief interaction with them.

"Good, better, best. Never let it rest. Till your good is better and your better is best."

Until we are back with another edition from the News desk at NPSKRM- It is "Totsiens"

(Goodbye in Afrikaans)!