

BIOLOGY ACHIEVEMENTS 2018- 2019

The Biology students of classes XI attended the prestigious exhibition –‘**Catalyst 2018**’ organised at AIIMS, Delhi on 26th April 2018, showcasing real life samples of human organs like the brain, human skeleton, brain stem, kidneys, heart, liver, placenta and umbilical cord. Mr. S.K. Das and Ms. Ritu Satija accompanied 60 biology students to the exhibition. The event proved to be a great learning session as students gained first-hand experience of observing live demonstrations of diagnostic procedures like Electric Cardiogram, Blood Group detection and CVR.



Biology students of DPS VK attended an Exhibition organised by the **Army College of Medical Science (Base hospital)** on 5th May, 2018. Fort eight students along with Mr. S. K. Das and Dr. Sreya Basu Sarkar attended the exhibition. Students were expose to various models of anatomical structures of human body and various physiological processes. Children were made aware of various communicable diseases, methods of preventing them and various treatment options. Students benefitted much from this trip as they could relate their school syllabus with real life situations.

A Zonal Level Science Congress was held on 27th August, 2018, at RPVV, Vasant Kunj, organized by DOE. The theme of the congress was Science, Technology and Innovation for a Clean, green & healthy Nation. Total 12 Schools participated in the competition. Two students from class 11th presented their work through PPT for the subtheme Ecosystem and Ecosystem services and won the 2nd prize. The presentation mainly focussed on various measures of bioremediation of the degraded environment which was highlighted by their personal contribution of making environment friendly "BIOPLASTICS" which was highly appreciated by Judges.

Annual Inter-DPS Science Festival was organised by DPS Mathura Road on 23rd and 24th November, 2018. Students participated in various events:

Mannan Jain and Parth Yadav of class VIII, participated in Fun with Science, under the able guidance of Mr. S.K. Das.

Aarnav Chawla and Vishvajeet Shukla of class IX, participated in The Science-spiration under the guidance of Ms. Rtu Satija.

Tushar Yadav and Ishita Marwaha of class XI participated in Hot-Spots under the guidance of Dr. Sreya Basu Sarkar.

Students performed satisfactorily in all the above events. Tushar Yadav and Ishita Marwaha were highly appreciated by the judges.

SNF@ School “safe and Nutritious Food” was organised by DPS RK Puram on 8 th December, 2018. 18 students participated in various ON LINE &OFF LINE events from classes 7th,8th,9th & 11th in a series of events which included Health Quiz, Fireless cooking, Food Adulteration Test, Street play, Photographic Competition & Street Food and Healthy Lunch Box ideas-Collage. The following students were winners in that competition.

1. S.Sreekreti, Maheeka, Samay ,Gaurav, Manish and Anvita of class XI th bagged the first prize on Street play “HOP IN TO HEALTHY HABITS”. They were asked to perform during valedictory function as well which was highly appreciated by Judged.
2. Prisha, Yash, Adishree, Shimran of class 9th bagged the second prize on Street food –a photographic competition.
3. Kamyra, Jiya of class 7th bagged the 3rd prize on Healthy Lunch Box ideas-collage.
4. Deepanya and Noor of class 9th bagged the 2nd Runners up on Fireless Cooking.



At **International India Science and Literature Festival-2018**, a young, talented student of class 9 , Afreen Kapoor, submitted a short documentary ‘We Didn’t start the Fire’ , under the apt guidance of Ms. Sapna Sharma, . Third Prize was awarded to the documentary which highlighted the causes and consequences of Global Warming. The documentary emphasized that there’s still hope if we, all global citizens TAKE URGENT STEPS IN THE RIGHT DIRECTION NOW, through three basic rules-REUSE, REDUCE and RECYCLE.

Afreen’s first documentary “Dump the junk “ also received the following recognitions world wide-

Golden Beaver Award to Afreens first documentary ‘Dump The Junk’ at National Science Film Festival 2018; documentary directed, scripted and anchored by Afreen Kapoor

*Winner of WORLDWIDE CRISIS DOCUMENTARY AWARD at Avalonia Film Festival , Kingston, USA, where the film 'Dump The Junk' was screened at Rhode Island, New York

*'Dump The Junk' documentary declared Official Selection at Dunedin International Film Festival 2018, USA

*'Dump The Junk' documentary declared Official Selection at Festival International DU Film D ALHOCEIMA 2018, Morocco

*'Dump The Junk' documentary declared Official Selection at Cinema Escolar de Alvorada Festival, FECEA, Brazil, 2018

* 'Dump The Junk' documentary declared Official Selection at International India Science Film and Literature Festival 2018

*Dump The Junk' documentary declared Official Selection at WOMEN'S Voices Now Film Festival to be screened online onm Women's Day 2019

*Dump The Junk' documentary was screened online on a reputed US based Website FESTIVAULT in December 2018

* Dump The Junk' documentary declared Official Selection at 1258-BAM! Film Festival 2018, USA



“FSSAI National Level On the Spot poster making competition” for Junior category (Class 1-5) was organized under initiative of Biology Department, DPS VK. More than 700 students participated in the competition and showcased their creativity, highlighting the advantages of eating healthy food and consequence of eating junk food. Devika Monga of our school (Class IV B) under the guidance of Ms. Sapna Sharma, made a beautiful, thought provoking poster which was selected for the 3rd prize under the eat right challenge. She was awarded a certificate, medal and Rs. 8,000/- prize money by the Union Minister of Health and Family Welfare – Mr. J P Nadda and Sh. Pawan Aggarwal (CEO FSSAI). Devika also got a once in lifetime opportunity to attend a Master Art class by a renowned artist Padma-shri awardee Sh. Paresh Maity at his studio.

This competition engaged thousands of student across India and created a momentum to ultimately change the way India eats.



A Five day **Enrichment Programme** was organised by DPS society for professional growth and development of teachers from DPS Budgam on 14-18 January 2019 . Five teacher came to DPS Vasant Kunj . Ms Sapna sharma of biology department was the resource person for Science for classes VI-IX. Ms. Naziya meer, science teacher from DPS Budgam gained valuable insights about teaching methodologies, class activities, record maintenance and curriculum designing and planning in Science. Ms. Naziya attended observed class room teaching by the host school teachers. Ms Naziya along with Ms. Sapna Sharma visited science laboratory. Science park and school library to understand the set up and importance of activity based teaching in science which involves students as active learners.

“CBSE Regional Level Science Exhibition” was organized by ITL Public School, Sector 9, Dwarka, 22nd and 23rd January, 2019. The main theme of the exhibition was scientific solutions for challenges in life. Our students from class 8 & 9 participated actively in the event and exhibited 2 models:

- 1) Portable Dialysis Machine [Arnav Chawla (IX) & Vishwajeet Shukla (IX)]
- 2) Bioplastics [Paarth Yadav (VIII) Mannan Jain (VIII)]

Portable dialysis machine was an innovative design for patients with kidney failure & bioplastics is an alternative to future resource management. Both the models were highly appreciated.

INNB (Indian National Brain Bee) in association with Delhi NCR Regional Brain Bee conducted a Neuroscience Quiz on 27th January, 2019, at Medanta Hospital. Tushar Yadav from class 11th bagged the 1st Runner Up of this contest & was invited to participate in 12th INNB championship, likely to be held in Ahmedabad/Kochi in April, 2019.

