



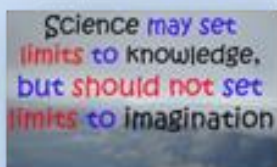
Survey
Explore
Experiment
Know

SEEK – EK KHOJ 2016-17

VIII- 29TH NOV

VII- 30TH NOV

VI- 1ST DEC



The quote above sums up our attempt to SEEK new dimensions in Science!

The KHOJ is ours- Mine, The children's , the parents' and of the teachers!

This search, this KHOJ has opened the door of possibilities and creativity for the children of the middle school!

The search is ably led by Dipinder ma'am and Shalini ma'am with vital inputs from Sapna ma'am. But once it starts the entire dept rallies together. Mentors of allotropes, node, redshift and pulse come together to help out too.

Words cannot express the school atmosphere on those 3 days! I wish Seek Ek KHOJ every success.

Scientific temper is a way of life - an individual and social process of thinking and acting - which uses the scientific method...

questioning, observing

physical reality, testing,

hypothesizing, analysing,

and communicating.

LIFE WITHOUT SCIENCE

Life without science is surely a load,

It's similar to be stuck, forever in a boat.

Without science, we could have never been

able to figure out, how to tie a tie,

And how birds fly so high,

and even how to make a pie.

Science has changed our looks,

and it helps us to print books

The theory of Relativity

is another scientific creativity

Without science, we could not measure,

So now we understand why is

SCIENCE A TREASURE!!!

Disha Bharti (VII C)



*How was this world made, does anybody know?
Do you know how a plant can grow?*

*This all is Science you see.
It can make a seed a tree.*

*The way you jump, the way you walk.
You use science even when you talk.*

*Science can change the whole earth.
It is with you from your birth.*

*Because of science Mercury is grey.
We use science each and every day.*

Aryan Gupta (VI L)



The three day Science fest, SEEK-EK KHOJ was hosted by D.P.S. Sector 45 on 29th Nov, 30th Nov and 1st Dec, 2016. The event saw young enthusiastic participants from grades 6th, 7th and 8th putting up working models as a part of investigation based projects. Also, there were two show times wherein young minds prepared 37 movies based on science in everyday life of 2 minute duration each.

The exhibits were indeed an eye opener on various topics related to future generation software, working of dams, burglar alarm etc.

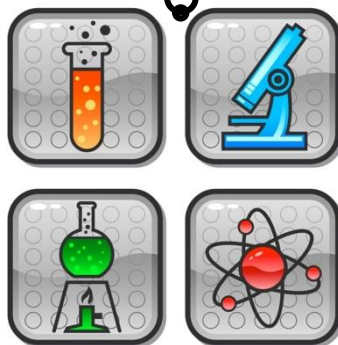
With an endeavour to promote scientific attitude among budding young students, this science fest was one of its kind. Judges gave their judgement after inspecting each project on their own merit. All the students were presented with certificates.

The judges applauded the students for their novel ideas which would help the world to become a much better place to live in. Ms Aditi Misra, principal of D.P.S Sector 45, thanked all the participating teams for making this event a great success and appreciated their novel projects.



Science is creating wonders almost every day. What was once sheer fantasy is now almost a reality by virtue of the recent achievements of science. Almost everything that eases our daily life are the wonders of modern science.

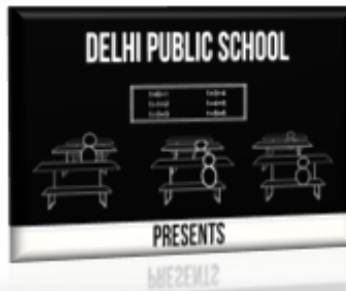
Research is what I'm doing when I don't know what I'm doing



THE MARVEL OF MOVIE MAKING!

The students were exposed to the concept of movie making for the first time. Various applications were used by the students which included Windows Movie maker, Final cut Pro, etc. to design the movies on the topic of choice. The science and the ICT teachers together guided the students and it was a truly enriching and enjoyable experience.

Water Wars, Time Dilation, Magnetism, Comets, Extinct Animals, Junk Food, Chocolate, Black Hole, Save your Smile, Burglar Alarm, Aurora...



The students of Scrap Lab (Module 1, 2, 3) participated in the event. Various models assembled by the students were put on display. Parents and visitors tried their hand on running these remote controlled models and maneuvering them with various obstacles placed on tracks.



Parents Speak...

*Commendable work done
by the students and the effort
of the teachers is clearly
seen.
Good job!!!!*

*Great efforts by kids! Immense
learning for them!*

*Excellent work done
by students*

*High energy
Very High spirit
Each project was
simply Brilliant!*

*Wonderful!!!
I appreciate the
efforts put in by the
children in
representing the
various aspects of
the projects taken
up by them.*

*Very well
organized! Keep
it up!!!*

*Very well done!
Good performance of children
and guidance of teachers.*

*Good learning experience
for students as it gives a
platform for learning outside
the Books.*

*Superb display! Appreciate the hard
work and diligence.*

*Excellent initiative by the school- Really
commendable!*

Dear Ma'am

It was a pleasant experience to visit the science fest today. It was a beautiful, creative and informative display by all kids. Great effort by the school, science department and you to organize such things and provide such opportunities to the kids.

Congratulations for a job well done!

Thanks & Regards
Ashima

From: Ashima Jain
<ashima_nikhil@hotmail.com>
Sent: Thursday, November 24, 2016 10:49 AM



Mentors Speak...

SEEK -EK KHOJ was an outstanding experience! It was amazing how every child was so enthusiastic and excited for his/her own project. I am glad I had the opportunity to be their mentor and help them to complete their project on time. It was very thrilling to prepare them and be a part of their happy and knowledgeable experience.

Khyati Rishi (XI-J)

I am very grateful to have been given the opportunity to be a part of SEEK -EK KHOJ, as a mentor to the wonderful young scientists of the middle school. The entire experience was extremely fruitful, as I along with them got to learn about many new concepts and phenomena. This enrichment led to formation of an unforgettable bond and the greatest reward I could receive was the exuberant look on their faces when they exhibited their projects.

Shayma Narayan (XI-K)

The Science Fest 2016 was an encouraging and enriching experience for the students, mentors as well as parents. While they gained knowledge during making their projects, they also explored the world with a scientific approach for the Science Fest. It truly was an amazing experience for all.

Kshitij Kotasthane (XI-H)

SEEK -EK KHOJ an enriching experience for all and a great initiative. It not only helped the children look the world in a scientific way but also helped the mentors impart knowledge and improve their leadership qualities.

Kush Khanna (XI-H)

Being a science mentor was a great experience as it enhanced my own creativity and knowledge. Getting involved in different kinds of science projects helped me gear up my critical thinking and scientific attitude. It was an enriching experience and above all getting the respect and love of the younger students was very fulfilling.

Anjali Kumar (XI-I)

SEEK -EK KHOJ was an amazing experience. It was full of excitement and enthusiasm. The experience was fruitful and as mentors we also explored new concepts and phenomena. It was an enriching experience. I am really glad to be their mentor and guide them in their projects.

Sukriti Srivastava (XI-J)

Being a mentor for the middle school Science Fest was an amazing experience. I got to know about various new concepts and to see our young scientists thinking and preparing on such concepts made me feel proud. The day of the Science Fest we stayed back after school helping them organize and present their projects. I am glad and thankful to be a part of this event.

Harshita Arora (XI-K)

I was very privileged to be selected as a mentor for class VII-F for Science Fest. My first ever experience nurturing young minds, welcoming new ideas across all bounds, seeing the young children working timelessly with engrossed minds, I got myself motivated to work for them, giving my best.

Shreyas Sharma (XI-I)

Mentoring the young minds was overall a very enriching experience for me. Those fights over what was the right concept to be applied or which colour should the chart paper be of.....It wasn't as if I was the only one teaching, even the youngsters taught me a lot. I saw some remarkable examples of team spirit and hard work and I feel lucky that I got this opportunity.

Rohitashv Kumar (XI-I)

The Science Fest was indeed a true inspiring event. We not only got to share our knowledge with the children but we also got to learn a lot that we didn't know about. This was really the best ever experience I had.

Sidharth S. (XI-H)

Science



Science Quiz

1. How many hearts does an octopus have?
2. 'Pulmonary' refers to which part of the human body?
3. Take off my skin - I won't cry, but you will! What am I?
4. What can you catch but not throw?

Answers- 1. Three 2. Lungs 3. Onion 4. Cold

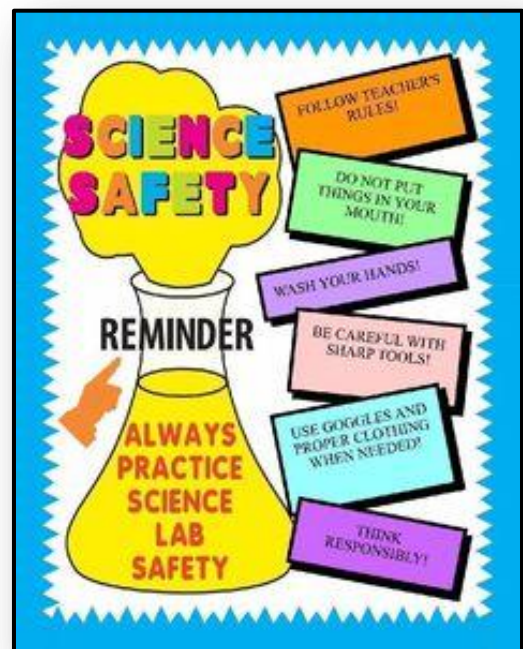
Amazing Science Facts

- There are 62,000 miles of blood vessels in the human body!
- The brain of a human produces enough electricity to power a 40Watt light bulb for 24hours!
- The earth revolves around the sun at a speed of 30Km/second!
- There are approximately 1trillion bacterial cells on the human skin! Most are harmless
- A powerful nuclear bomb releases energy equivalent to that of 50 megatons of TNT!
- The bite force of an average crocodile is equal to the bite force of 21 humans
- If a car went straight upwards at 90degrees it would reach outer space in just over 2hours!
- At over 2000 kilometers long, The Great Barrier Reef is the largest living structure on Earth
- When Helium is cooled to almost absolute zero (-460°F or -273°C), the lowest temperature possible, it becomes a liquid with surprising properties: it flows against gravity and will start running up and over the lip of a glass container!

Sometimes the questions are complicated and the answers are simple.
-Dr. Seuss

“The science of today is the technology of tomorrow.”

Edward Teller



Students Speak...

Science fest experience

Our science fest experience was extremely good. It was conducted very well. The parents asked us many questions based on the boards or models. It increased our knowledge a lot. The other groups performed very well. They kept the parents indulged in their presentation. There were various activities or experiments from which we learnt a lot. It was quite a good experience and I enjoyed a lot. Our teachers also helped us a lot and I really loved this.

Name:- Anvi Khurana
Class:- 6-H

During the science fest, I learned a lot of things including science. I learned how to work in a team and cooperate with out grumbling! It has been an enchanting experience, completely being absorbed in the world of science. Working hard all those months for that day was really worth it. It proved that even studies could be fun. From that day onwards, I started to see science from a different angle. It taught me that we shouldn't do anything by half measures. Really, the science fest was a great, wonderful and an educational experience.

- Shrushta Goyal VII-B

SCIENCE FEST

- Nandini Pandey (VI-G)

It was our first science fest. It was an educative and fun activity. We enjoyed a lot while making the movie. I was a little bit nervous when we had to speak in front of our principal and our parents. We learnt a lot from the science fest.

Science Fest is one of the most celebrated festival which is written down in D.P.S-45 history every year. This year we have learnt a lot through the whole endeavour. I have learnt team management and learnt how to study adding a tinge of fun and excitement. I've learnt about experiential learning through the whole Science-Fest. In this life-learning and changing journey our mentors, teachers and parents stood as guiding lights. Each group was assigned a topic or they could choose their own one. I got the topic Rheumatic Heart. It warned me about a common yet fatal disease, affecting children nowadays. I feel this festival is celebrated with the same delight every year and continues to enrich children.

- Tanvi Nagarkar VII B

EXPERIENCE

MY TEAMWORK (SCIENCE FEST)

Science fest was a new experience for all of us. Our teacher and our mentors suggested us ideas and helped us complete our charts and experiments. We completed all our science work with great enthusiasm. We displayed our experiments in the school for parents. We got great reviews and valuable feedbacks on our experiment.

This science fest not only gave knowledge about science but also about the great spirit of teamwork.

- GAANVI CHADHA
VI-I

My Science Fest Feedback

This was my first year of Science Fest. It was awesome. I simply loved it. Our topic was electric circuits. It took us like ages to think of a good topic. We were probably the last ones to get started with the work. We started about 3 weeks before the science fest. But we were the first ones in our class to be done with everything. We had a lot of fun preparing for the science fest making the boards, doing research, exchanging ideas. It was all so much fun. Finally when the day arrived, I was very excited as well as nervous. Many parents saw our project and appreciated it. I felt as if that was one of the best days of my life. We got many good feedbacks from the parents. We also went for a walk around the park to see the other projects. It was an awesome sight. It was a great way of learning new concepts of science. Now, I eagerly look forward to participate in the science fest next year and learn science in a new and better way.

Tanishi Mathur VI-J

Science fest came to us in the form of a hidden opportunity to increase our understanding of various science concepts which we otherwise had trouble understanding. The models we made and experiments we conducted cleared all our doubts and reinforced our concepts. Our science teacher and student mentors were a great help and our source of motivation. Besides helping us understand our topics it also helped us to work in a team and not let any team member be over burdened with work.

Tuhina Gupta (VII-L)

Science Fest is a new experience for me. I think it is a good initiative to encourage students to showcase their hidden talents. Teamwork spirit is also encouraged. Everyone in my team worked hard and we gave our best!

Hardik Sharma (VIII-D)

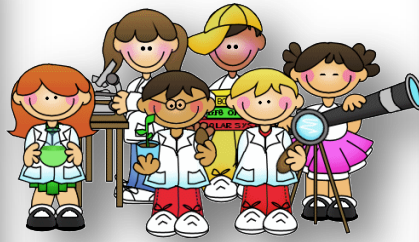
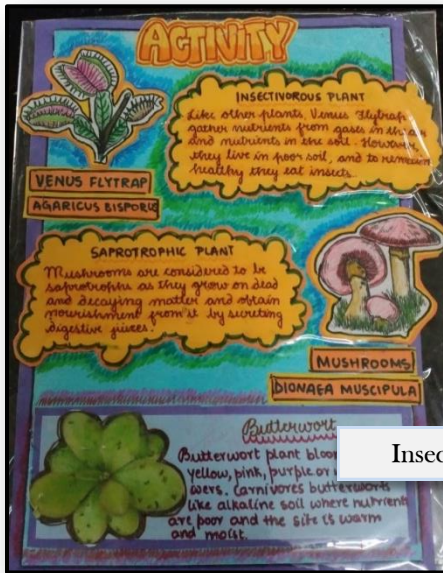
I felt great being a part of the Science Fest. With the help of great mentors, supportive teachers and helpful parents we were able to succeed in our projects. It was a great learning experience too!!

Bhavya (VI-I)

Young Minds @ Work!



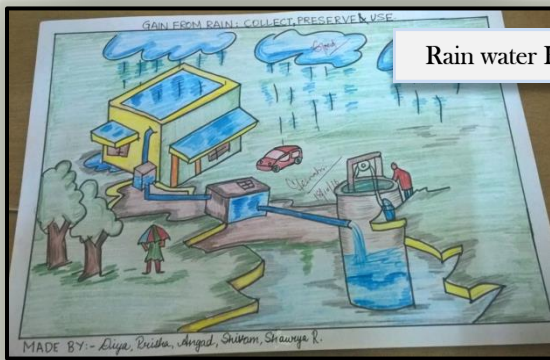
Creativity at its Best!



Fibre to Fabric- class VII



Insectivorous Plants- class VII



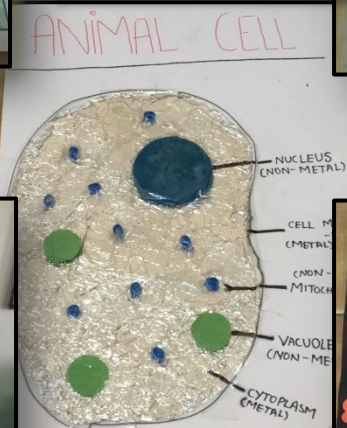
Rain water Harvesting- class VI



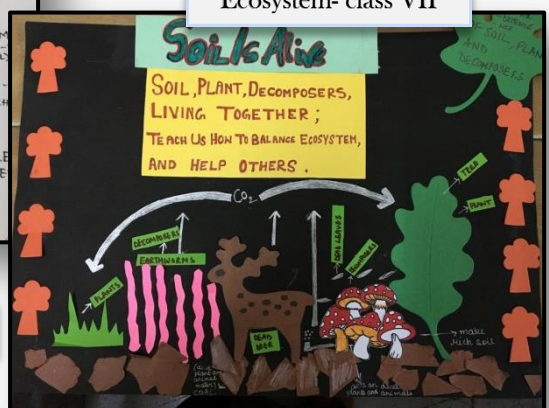
Exercise is the best medicine- class VIII



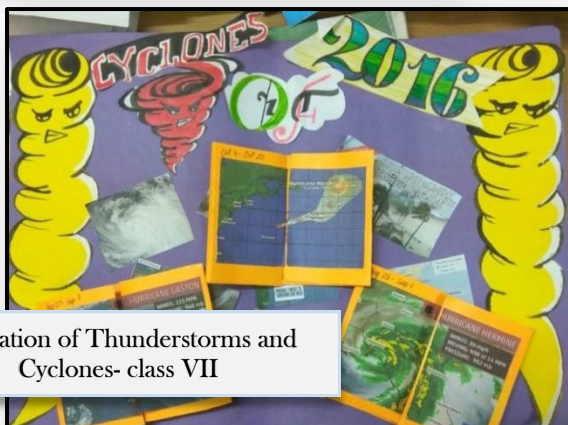
Turmeric Indicator- class VII



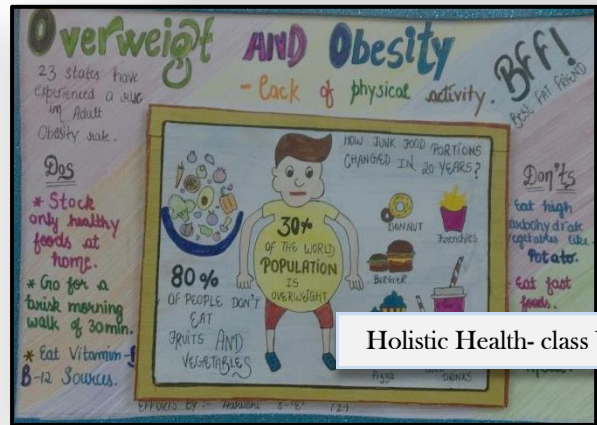
Unit of Life- class VIII



Ecosystem- class VII



Formation of Thunderstorms and Cyclones- class VII



Holistic Health- class VIII

Pulse- the Biology Club

Keeping in tune with its objective, 'Pulse'- the Biology club undertook the inaugural of the science fest 'SEEK- Ek Khoj'. Ms. Aditi Misra, Principal DPS Gurgaon declared the fest open by "Unravelling our A-Maze-in' Body", a maze depicting the levels of organization of the human body. This was followed by a panoramic view of the cell, which was constructed in the form of a 'Walk-in Cell' illustrating the details of the cell organelles.

The club also showcased some of its activities conducted during the course of the year. 'Evidences of Life- Frozen in Time' was displayed which was a follow-up of 'Nature Walk' activity. The students were encouraged to collect samples of fallen leaves and study them by preparing their imprints. A detailed study of type of leaf and its categorization on the basis of shape, margin, apex and lamina was done.

The beautiful imprint plates, provided students with the opportunity to learn and conceptualize biology by doing.



As Sir Kurt Vonnegut once said, " Science is magic that works." It is on this belief that the Allotropes showcased The Magic Show titled - 'BREAKING THE MYTH' The event started off with the gracious presence of our esteemed Principal, Ms. Aditi Misra who was astounded on stepping on our magical contact explosive. This was followed by the enactment of various magic tricks which were actually the chemical changes.

- A. fortune teller jar*
- B. bleeding lemon*
- C. magical purple fumes*
- D. changing glass to silver*

The Allotropes put their best foot forward to showcase Chemistry all around us 'Periodically' and thus made the periodic table highlighting the uses of elements in daily life. Our magic startled our Head Mistress of the primary wing that she insisted on showcasing our magic show to the little ones. The show was applauded by all the parents and children who had come to see our myth breaking magic show.



***Red Shift:** the School's Physics Club is a regular participant in the inaugural ceremony of the event and comes up with innovative display of its scientific mettle. This year, the club designed a prototype working model of 'Rube Goldberg Machine' which is a contraption, invention, device or apparatus that is deliberately over-engineered to perform a simple task in a complicated fashion, generally including a chain reaction. The guests, parents and students thoroughly enjoyed the execution of 'Rube Goldberg Machine'.*