



FOR STUDENTS IN CLASSES 5TH - 12TH



PRESENTS

Special Session on

Finding a Way through Curious Minds

"Find the answers to your curiosity about the treasures of Science"

4th, August
04:00 pm IST

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KNOWLEDGE SESSION 2022: EPISODE 8

ORGANISED BY: KNOWLEDGE AND AWARENESS MAPPING PLATFORM

A KNOWLEDGE ALLIANCE OF


National Institute of Science Communication and Policy Research
सीएसआईआर-निस्र



Date: 04th August 2022

Topic: Finding Way through Curious Minds" on 4th Aug 2022

Organised For: Class 5th – 12th

Category: Academic Development

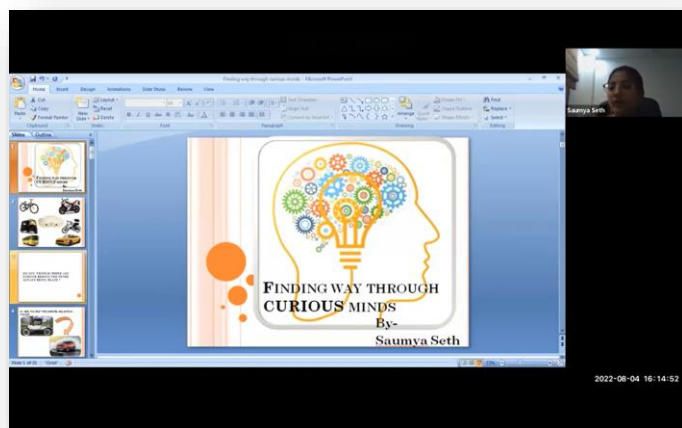
No. of Participants: 700+ students from different schools across India

Speaker/Presenter: Ms Saumya Seth

Overview:

On August 04th, KAMP conducted a special workshop on "Finding Way through Curious Minds" by Ms Saumya Seth. She is an engineer and has been in the education sector for the last 4 years. She is currently working with one of the reputed institutes of Kanpur - Dr Virendra Swarup Education Centre as a TGT Science teacher.

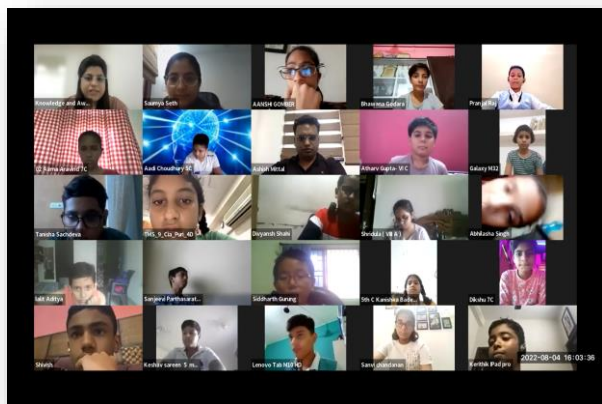
In this episode, Ms Saumya helped students in developing curiosity within them concerning the minute things in their environment. She stressed over asking questions, such as why things are the way they are and to seek the answers in the treasure of science.



It is no surprise that students are generally and naturally curious, and the teachers around them provide them with different ways to ignite that curiosity with fun activities. Curiosity is rightly said to be an important trait of a genius mind, curious people always ask questions and search for answers in their minds. Especially at the initial stages of schooling, curiosity can be a great motivator that can make the students sincerely want to learn.

Ms Saumya started the session with the well-known proverb "Necessity is the mother of all inventions". This is a proverb that is in common knowledge of school students as well. She continued to define the proverb for the students, stating that the basis of the growth, of modern inventions, all comes from science. Now, if we ask ourselves what science is? We won't be far away from that science is just the outgrowth of pleasurable intellectual curiosity. When we put that curiosity in the intellectual domain, constructive domain, it is only then we start to find answers. We invent, we come forward with new things when we are desperate to find a solution to a problem, that is what is stated with the proverb "Necessity is the mother of all Inventions".

We all have experimented with something or the other, like throwing talcum powder on the floor and slipping on it, opening/closing the refrigerator door, just to check where the light glows/turns off, balancing an eraser over a scale or filling chilled water in a glass, just to see the formations of droplets on the outside of the glass. When we grow up we start to understand the science behind all this, be it simple rules of gravity, friction or even condensation.

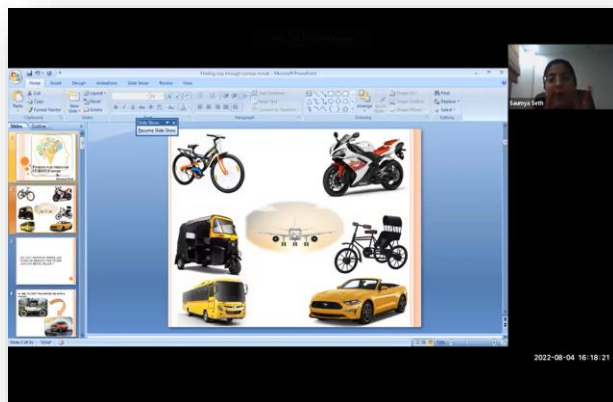


There is a scientist hidden in all of us, it's just that we don't give time to nurture it. As we grow up, we get involved in the theoretical part of science and forget about the practical uses of

the subject. Due to this, many students even lose interest in the subject of science, considering it to be a research-based career only.

Surely, we all know what is the most important invention of mankind. Yes, wheel it is. It has helped mankind travel from one place to another and carries loads conveniently. All modes of transport have wheels, but have you ever thought about why the colour of the tires is always black?

So, when the tire was invented, it was white in colour, which is the natural colour of rubber. But how did it become black over the years? The reason is that black carbon is added while making tires along with polymers, which is to make it more durable in its functions. It helps in protecting from the UV rays, bearing the frictional heat, as well as to bear the heat.



Many such questions were discussed during this workshop

- Have you ever wondered when we apply glue, it sticks...but why doesn't it stick inside the tube? How was it invented?
- Why do we use ceiling fans with 3 blades?
- What is a track ballast? Why is it used on railway tracks? And on the same hand why does metro use less track ballast but a thick foundation of clay?

All these common things around us have a serious concept of science behind them. Thus, to learn science with fun, we have to start observing simple things around us and question how it works. Why is it like that? What is the purpose? Who invented it? Where and when was it invented? How was it invented? We can ask plenty of questions just by looking at a simple thing. With that curiosity, we can develop an inquisitive mind, with enhanced skills such as thinking, reasoning, observing, exploring, investigating etc.

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Knowledge and Awareness Mapping Platform

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