

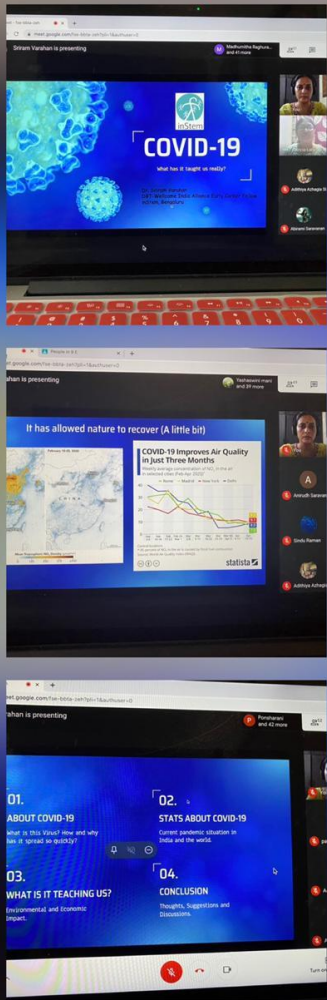
## Beyond Boundaries- : COVID-19-What has it taught us really?

19-10-20

On 17th October 2020 Dr. Sriram Varahan educated the students of classes 11B and 12B in depth about COVID-19. As a scientist from Institute of Stem Cell Science and Regenerative Medicine, Bengaluru he truly disseminated his knowledge into the young minds.

Starting off with something as simple as to what COVID is to diving in-depth about its cellular structure and what it really does to our body, he gave a thorough understanding of this virus.

His inputs about the positive impact of COVID with regard to nature was very encouraging and inspired the students to learn more and do more for our planet.



**P S SENIOR SECONDARY SCHOOL,  
MYLPURE, CHENNAI**

**Presents**

Webinar by:  
**Dr. Sriram Varahan**

from  
**Institute for Stem Cell Science  
and Regenerative Meidicene,  
Bengaluru**

**COVID:  
What has it taught us really?**

**Date: 17 Oct'2020  
Time: 2:30pm  
for XI Band XII B**

## Beyond Boundaries-'Life Of A Wildlife Naturalist'.

04-07-20

A webinar was organised for the students of the biology sections of classes 11 and 12 of PS Senior Secondary School on 4th July, 2020 on the topic '**Life Of A Wildlife Naturalist**'.

The webinar was conducted by Mr Sanjay Mohan, a very talented and passionate naturalist, someone who has varied knowledge on wildlife.

This session was extremely captivating as it introduced the students to a completely new world of wildlife. "Who is a naturalist?" "How to become a naturalist?" etc were a few topics that were very beautifully explained. This session was full of inspiration and enthralling experiences of Mr Sanjay Mohan in the wild. One of the main takeaway from this session was "Follow your passion".

**Finally a Naturalist !!!!**

**Training as a Naturalist**

**Life as a Naturalist**

- ✓ *Guiding, Research, Conservation*
- ✓ *Follow your passion*
- ✓ *Interaction with people from diverse backgrounds*
- ✓ *Travelling*
- ✓ *Photography*
- ✓ *Working hours*
- ✓ *Showcasing Wildlife (cycling, walking, jeep)*

**NATURALIST**

**By Sanjay Mohan**  
a Naturalist by Choice, by  
Passion and by Profession

**For the Students of**  
**P S SENIOR SECONDARY SCHOOL**  
**MYLAPORE, CHENNAI**  
4 July, Saturday, 11:30 am

The collage features several photographs: a man in a white shirt pointing at a screen, a man in a blue shirt pointing at a screen, a group of people in a field, a man in a camouflage shirt talking to a group, a man in a green shirt kneeling in a field, and a man in a blue shirt sitting on a rock. There is also a small image of a leopard in the bottom right corner.

## Beyond Boundaries- 'People, Pollution and Plants'

27-06-20

A webinar was organised for the students of the biology sections of classes 11 and 12 of PS Senior Secondary School on 27th June, 2020, on the topic 'People, Pollution and Plants'.

The webinar was conducted by Dr Nidhi Gautam, HOD, Department of Botany, Daulat Ram College, Delhi University.

The webinar was very informative and interesting as it included topics like pollution and its ill effects, sources of pollution, role of plants in minimising air pollutants etc. The session was very relatable as it dealt with one of the most important problems that we face in everyday life i.e. pollution. The webinar also emphasised on the role of humans in disrupting the balance of nature, which was a great eye opener for us students. Overall, the session was really good as it taught us to appreciate and respect our biodiversity.

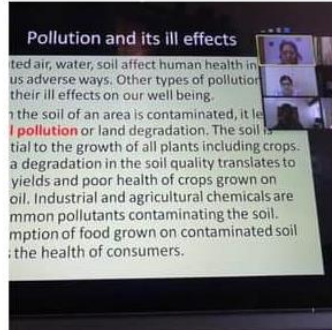


**Webinar By Dr.Nidhi Gautam**  
**HOD, Dept of Botany, Daulat Ram College**  
**Delhi University**



For the students of  
**P S SENIOR SECONDARY SCHOOL,**  
**MYLAPORE, CHENNAI**

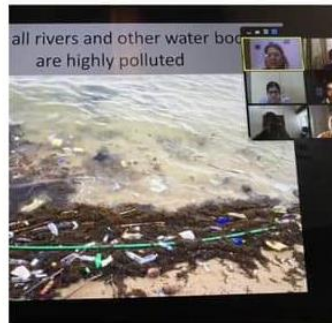
**Date: 27 June, 2020**  
**Time: 11:30 am**




**Pollution and its ill effects**

Contaminated air, water, soil affect human health in various adverse ways. Other types of pollution also have their ill effects on our well being.

If the soil of an area is contaminated, it leads to soil pollution or land degradation. The soil is essential to the growth of all plants including crops. A degradation in the soil quality translates to low yields and poor health of crops grown on it. Industrial and agricultural chemicals are common pollutants contaminating the soil. Consumption of food grown on contaminated soil affects the health of consumers.



All rivers and other water bodies are highly polluted



Each species is significant

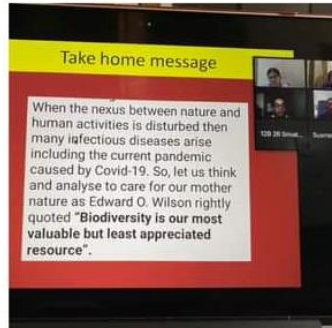


Flowering plants are important for pollinators.

Shellfish could be wiped out as Arctic Ocean acidifies due to climate change



Every worm, every insect, every animal is working for the ecological wellbeing of the planet. Only we humans, who claim to be the most intelligent species here, are not doing that.



**Take home message**

When the nexus between nature and human activities is disturbed then many infectious diseases arise including the current pandemic caused by Covid-19. So, let us think and analyse to care for our mother nature as Edward O. Wilson rightly quoted "Biodiversity is our most valuable but least appreciated resource".



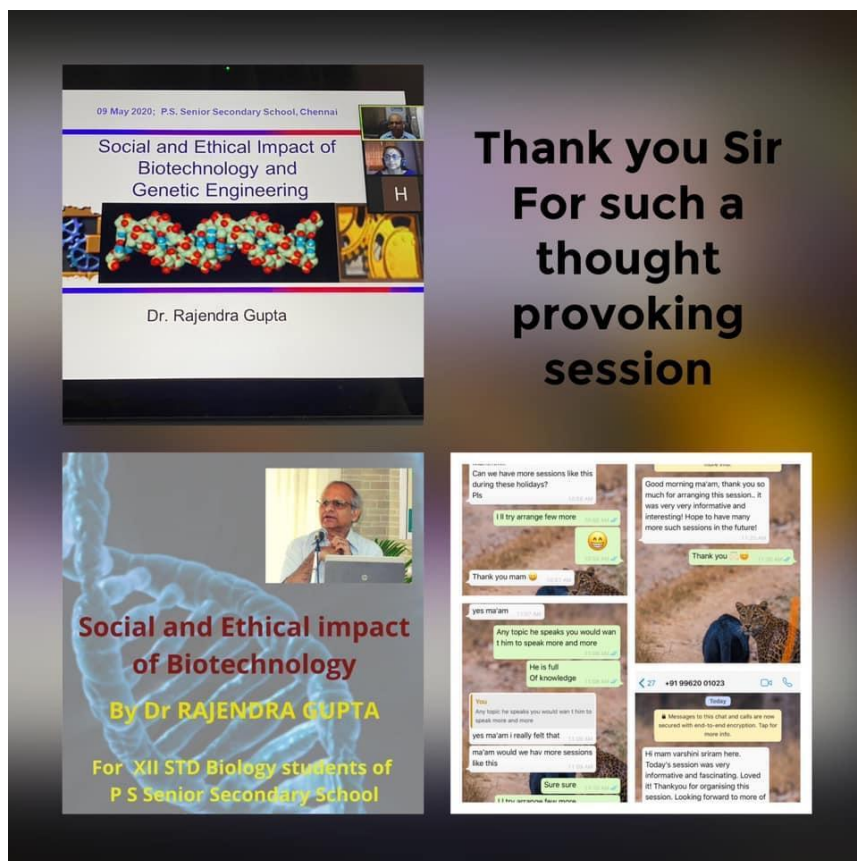
## Social and Ethical Impact of Biotechnology-A webinar

09-05-20

A webinar was organised for the biology section of class 12 of PS Senior Secondary School on 9th May, 2020. The webinar was on the topic 'Social and Ethical Impact of Biotechnology'.

The session was conducted by a science populariser, public speaker and independent researcher Dr. Rajendra Gupta. The webinar emphasised on the importance of Biotechnology in various aspects of science.

The session was very interesting and informative as it included topics like Genetically engineered food enzymes, mechanism of vaccinations, gene therapy for diabetes, cloning technology etc. It was very useful as we could relate to it in our everyday life scenarios. This session was a great eye opener for the students to venture and establish their career in the field of Biotechnology. From the academic point of view also, this webinar was extremely helpful as we got a better insight and understanding of Biotechnology.



## Mathematics Olympiad Training Camp

04-04-19

A training camp in problem solving (related to Maths Olympiad) is organized for students of Class 11 from different city schools. This program is sponsored by National Board of Higher Mathematics.

45 students participated in the workshop. Dr Muralidharan who has 30 years experience in Olympiad training and who has authored 4 books on Mathematics Olympiad problems inaugurated the workshop and delivered the first lecture.







Beyond Boundaries- Lecture on Problem Solving Skills and Efficient Algorithm Development

11-07-18

Lecture By Dr. Madhavan Mukund, Dean of Studies, Chennai Mathematical Institute on problem solving skills and efficient algorithm development aimed at preparing students for International Informatics Olympiad

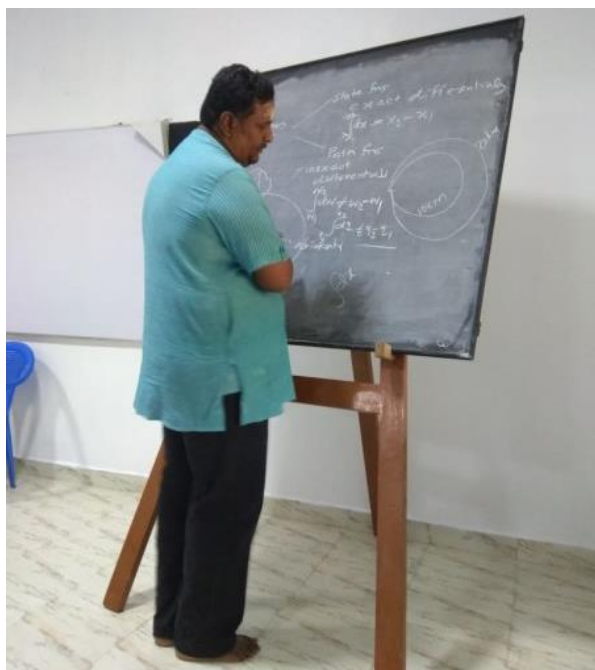


## Beyond Boundaries- Chemistry Lecture

08-07-18

Mr. Balaji, Professor, Department of Chemistry, Vivekananda College, Chennai gave a lecture to students of Class XII on the topic Thermo dynamics. on 07/07/2018. The children actively participated and it was an interactive session.

He also addressed the students of class XI on the topic 'Atomic Structure' on 23/06/2018.





## Beyond Boundaries Program- Seminar for Commerce Students

06-04-18

A workshop on Demonitization and Overview of GST was conducted in our school . on 24<sup>th</sup> March 2018.

**Shri. M.S. Sundararajan, Former CMD, Indian Bank inaugurated the program.**

The resource persons were

- 1.P.S. Prabhakar, Chartered Accountant : Demonitization
- 2.Subashini Ganapathy, Chartered Accountant : Overview of GST





## Beyond Boundaries

03-08-17

As a Part of the Beyond boundaries program **Professor N R Krishna (Professor, Electrical & Computer Engineering , Texas A & M University, Alumnus of the school)** gave a lecture on Information Theory covering data compression, coding and error handling methods on data network for class XI and XII students (Informatics Practices and Computer Science)

