

BIOTECHNOLOGY

A SCIENCE FOR SECURING THE FUTURE

One of the fastest growing sectors in India and in terms of global industrial growth, Biotech is referred to as the sunrise sector. It is interdisciplinary, offering flexible eligibility criteria at the entry level. Here students learn by doing

and often observing outside the realm of the conventional set up of a classroom. Our students in the past few years have joined many prestigious research institutions. A research paper on “Degree of Adaptive Male Mate Choice is Positively Correlated With Female Quality Variance” written by Abhilasha Joshi was selected for publishing in the Journal of Scientific Reports.



In the lab observing aseptic conditions Various activities which were hitherto thought of as not possible for young school children to work with, are now a possibility. Estimating bacterial load in samples, understanding the chemistry of surface antigens on various cell types, working with stem cells in specialized labs, digesting DNA with enzymes, introducing an antibiotic resistance gene in a host bacteria and many more activities are undertaken by our students in the school lab .

Maulana Azad Medical College conducted simulation experiment workshop for the students of our school . The following S7 students got an opportunity to



perform hands on at laparoscopic surgery:

Sanskriti Sharma
Bisrantee Wagle
Arshia Jolly
Shivaan Kapoor
Pankhuri Gupta
Karan Aggarwal
Arjika Saklani
Tusharindra Lal
Meera Bazaz

It was exhilarating for our children who couldn't stop raving about the rare experience.

Students at Laparoscopy Simulation Lab at MAMC



SUMMER INTERNSHIP AT TERI CAMPUS

Pankhuri Gupta , Bistrantee Wagle and Sanskriti Sharma had a chance to visit Plant Micropropagation Lab at TERI University Campus during summer vacation to master the art of plant tissue culture. The students were issued certificates for attending the prestigious workshop at Gualpahari Campus, Gurgaon.

*Bistrantee Wagle inside the Green House of
Tissue culture : TERI Labs*

BIOTECHNOLOGY NEWSLETTER

On the 31st of August, 2015, the fourth edition of the Biotechnology newsletter was released. It carried an interview with Mr. Ashok Pratap Singh, President, Board of Trustees, Modern Schools and his experience as a student of the distinguished scientist Dr Francis Crick at the Cambridge University . It also included topics such as stem cell therapy and artificial pancreas among others.



*Principal Modern School Dr Vijay Datta releasing The Fourth Edition of
Biotechnology News Letter*