



PRAGATI PUBLIC SCHOOL
ATAL TINKERING LAB
NEWSLETTER
(APRIL–MAY 2019)

Greetings !!!
We welcome the parents in the new academic session 2019-20 with promising goals for the year ahead.
We look forward towards another year of collaborative effort to yield the best outcomes for our children.

“IT’S NOT ABOUT IDEAS, IT’S ABOUT MAKING IDEAS HAPPEN....”

ATAL Tinkering Labs are set up under the aegis of ATAL Innovation Mission, NITI Aayog. These labs serve as a platform for innovating and providing solutions for problems faced by individuals and communities. The aim is to create a pool of talent that is future ready, by introducing and exposing young innovators to essential world skills; to get them to think out of the box, and break boundaries-and make something unique in the process!

The objective is to help instil a ‘maker’ spirit in young people, by providing opportunities for working outside the classroom, using hands-on experimentation and collaboration with the latest technology, and designing it to provide much needed solutions. The program aims to bring the do-it-yourself culture to the forefront, encourage and motivate students to become solution providers and get engaged in self- learning that will not only lead to the development of higher order thinking skills, but may eventually lead to the discoveries, innovations and inventions.

Students of classes VI-X participated in a wide range of activities in ATAL Tinkering Lab.

ATL COMMUNITY DAY 2019

Students of our school participated in a one-day workshop at Ved Vyas DAV Public School, Vikaspuri on 15th April 2019. They explored a wide range of hands-on activities which were levelled from simple to complex. The activities included balloon structure, balloon car, designing a battery and soldering. It was a day well-spent with full of learning, joy and fun.





On the occasion of birth anniversary of Dr. B.R. Ambedkar, a one-day workshop was organised at our school premises on 18th April 2019 to foster creativity in young minds and spread awareness about ATLs. We had invited a group of students from an orphanage Wal Asr Imamia Trust. A number of 10 students aged 12-16 years visited our ATL lab and gained knowledge about tinkering fundamentals and 3-D printer. They were encouraged to spread awareness about ATL and invest their creativity to find realistic solutions to existing problems.



Students of our school participated in a one-day workshop at ITL, Dwarka on 24th April 2019. The day was well spent with lecture series by Mr. Robin Kapur who is a 'mentor of change' allotted to ITL by NITI Aayog. Mr. Kapur shared about various proposals of projects received by NITI Aayog from young innovators. They gained awareness about design thinking in which the concept of identifying an idea, its formulation and execution were taken up. Our students also learnt to assemble a 4-wheel vehicle.



Workshop on 3-D printing

A resource person from STEMROBO, NOIDA demonstrated the working of 3-D printer to our students and discussed about its applications.



Activities conducted in ATL

Students of class VI making creative structures using balloons.



Students of class VII making creative glue patterns using hot glue gun and glue sticks.



Students of classes VIII IX and X explored DIY (do-it-yourself) kit. They learnt about the various electronic components present inside the kit, gained knowledge about making connections on breadboard circuit and assembled an electronic circuit to glow a LED.



Logic behind magic

A live experimenting session is conducted with students at the beginning of every class. Student volunteer from each class presents an activity (experiment or magic trick) and shares the logic behind it with their classmates. This activity fosters curiosity in children and generates creativity and logical thinking in students.



“WHEN IT COMES TO INNOVATION, AN OUNCE OF EXECUTION IS WORTH MORE THAN A TON OF THEORY.....”

KEEP TINKERING!!!