

K .V NO. 1 RCF HUSSAINPUR

DISTT. KAPURTHALA

Report on ATL

KV No. 1RCF, Hussainpur got selected for establishment of ATL (School Unique ID-27411145). After establishing ATL , various activities are conducted in the lab with the active participation of students. Students are encouraged by the school teachers pro-actively to leverage the Tinkering Lab to develop a problem solving innovative mindset.

Various teachers – Mrs. Shikha Bhalla, PGT Physics (ATL I/C), Mrs. Komal Chahal, PGT(Chemistry), Mr. Rakesh Kumar, TGT(Maths) & Ms. Shivani Pathania, TGT(Science) are allotted specific time slots for ATLs in their weekly timetable(Class VI to XI).

Students are made familiar with the different parts to make different ROBOTS & the various mechanical tools to assemble their parts. Students are guided by the teachers to use different Youtube channels like Avishkaarbox channel. They are also guided to use the various sites on the internet regarding designing of ROBOTS. Students have designed various ROBOTS ...

- All Terrain Robot
- Robotic Crane
- The Rope Car Robot & many others.

They are now well able to burn the program in the brain of the Robot to make the Robot functioning.

Students of Class X & XI are introduced with the 3-D printer.For 3-D printing, they are provided various links.....

- 3-D printing – Youtube channel
- 10 best 3D printing tutorials
- Popular 3 D modelling design software

Now they are aware of 3-D printing technique & by this technique students have printed models – a whistle & prototype of personalities.

The vidyalaya is sharing ATL resource material with the neighbouring schools –

1. K. V. NO. 2 ,RCF, HUSSAINPUR
2. Govt. Middle School, RCF
3. Govt. Senior Secondary School ,RCF
4. Guru Harkishan Public School ,RCF.

ATL Community Day was celebrated on 12.04.2018 & all the neighbouring schools participated in it. Following activities were done :

- Introduction & Aim of ATL
- Introduction to various mechanical tools & their uses
- Sites on Internet & Youtube Channel (www.avishkaarbox.com)
- Programming & designing of robots
- 3-D printing technique

School has also created a facebook page – kv1hussainpur. Students are taking keen interest in ATL activities. We – Students & the teachers are very enthusiastic to work in ATL.