ARMY PUBLIC SCHOOL JAMMU CANTT

COMMUNITY OUTREACH PROGRAMME

An educational visit was organized for 16 young innovators from GMS Kotha Bhour accompanied by two teachers to the Atal Tinkering Lab (ATL) at Army Public School, Jammu Cantt, with the objective of exposing students to the world of innovation, technology, and hands-on STEM learning.

The visit began with a warm welcome and an engaging introductory session on Teachable Machine. Students were introduced to the basic concepts of machine learning, where they actively trained a machine using different images. This activity helped them to understand how machines learn, recognize patterns and make predictions, sparking great curiosity and enthusiasm among the students.

Next, the students explored Tinkercad, an interactive digital design platform. Through this, they learned about the working and rotation of a DC motor. The session was further enriched with hands-on activities, allowing students to practically observe how DC motors function, thereby strengthening their conceptual understanding.

Younger students participated in creative activities using mechanical kits, where they designed and built various working models. These activities enhanced their creativity, problem-solving ability and teamwork, while making learning enjoyable and meaningful.

Students were also taught the circuit design of a traffic light system using Tinkercad. Under the guidance of Ms Nikhaar Babuta the students were introduced to basic electronics, circuit connections and sequencing, giving them a practical insight into real-life applications of technology.

Towards the end of the visit, ATL students showcased two innovative and impressive projects. Guardian Gear and Gesture-Based Hospital System.

These demonstrations inspired the visiting students and gave them a glimpse of how innovative ideas can be transformed into practical solutions for real-world problems.

Overall, the visit to the ATL was highly interactive, informative, and inspiring. It successfully encouraged students to think creatively, explore technology and develop a keen interest in science and innovation. The experience proved to be a valuable step towards nurturing young minds to become future innovators.