

Welcome to the ATL Hub of APS Raiwala!

At Army Public School Raiwala, we believe in nurturing the scientists and entrepreneurs of tomorrow. Our Atal Tinkering Lab (ATL), established under the Atal Innovation Mission (AIM) by NITI Aayog, serves as a state-of-the-art workspace where curiosity meets technology.

The lab is designed to move beyond traditional rote learning, encouraging students to explore, experiment, and "learn by doing". By providing access to high-tech tools—from 3D printers to robotics kits—we empower our students to solve real-world problems with creative STEM solutions.

School Motto: "Truth is God"

Vision: To cultivate a mindset of innovation, critical thinking, and ethical leadership in every student.

Core Features of the APS Raiwala ATL

Hands-on STEM Kits: Access to DIY electronics, Internet of Things (IoT) sensors, and miniaturized electronics for rapid prototyping.

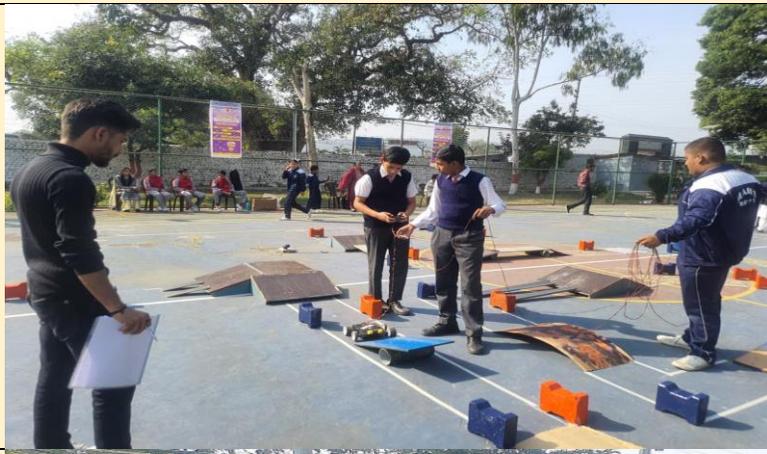
Digital Fabrication: A dedicated space for 3D printing and design using tools like TinkerCAD.

Robotics & Coding: Equipment for building and programming autonomous robots and Arduino-based projects.

Activities



A successful administrative and technical review conducted at the APS Raiwala ATL. Dedicated to maintaining high standards of STEM education and innovation



The spirit of innovation is alive at APS Raiwala! 🧠 Our students participated in the prestigious Inter-School Robotics Competition at Maa Anandmayee Memorial School and delivered an outstanding performance. This achievement is a testament to the hands-on learning and problem-solving skills fostered in our Atal Tinkering Lab (ATL). Proud of our budding tech stars! 🚀 📖



Igniting Innovation: A Proud Moment for APS Raiwala! 🌟
Huge congratulations to our budding scientists, Tanu Kumari and Aditya Bhilangwal, for being selected for the prestigious Inspire MANAK Awards. Their original ideas and dedication to science have earned them national recognition and a grant to bring their innovations to life. We are incredibly proud of their success and can't wait to see their ideas shape the future! 🚀 📖



"Cultivating a Scientific Temperament" 📖 📐

The Atal Tinkering Lab at APS Raiwala provides a platform for students to venture beyond textbooks. By exploring diverse tools and technologies, our learners are developing critical thinking and problem-solving abilities essential for the innovators of tomorrow.



"Beyond the Classroom: Science in Action at APS Raiwala" 🧪 💡

Theory met practice at our latest Science Exhibition! Our students showcased an array of innovative projects developed in the Atal Tinkering Lab, demonstrating their mastery over STEM concepts. It's not just an exhibition; it's a celebration of critical thinking, problem-solving, and the spirit of inquiry.



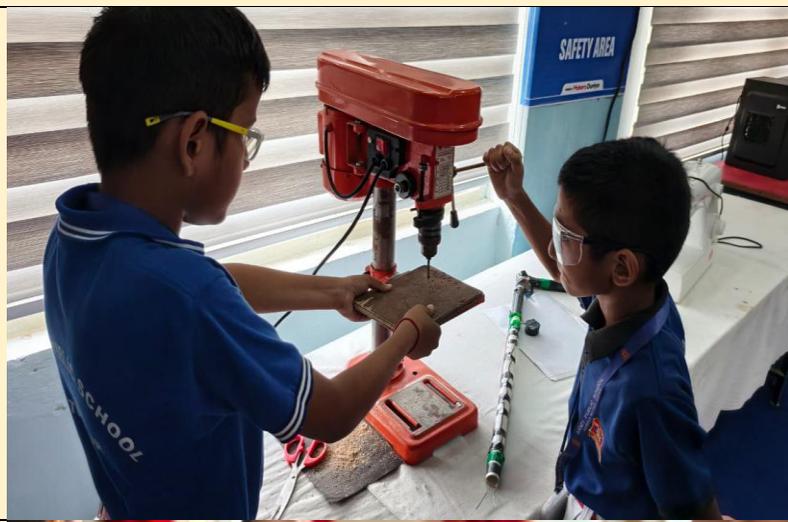
"The Tools of Tomorrow, Today!" 🚀

Step inside the APS Raiwala ATL, now equipped with the latest cutting-edge technology! From high-precision 3D Printers and Drone Kits to advanced IoT Sensors and Microcontrollers, we are providing our students with the ultimate toolkit to turn their wildest imaginations into reality. The future is being built here!



Students Teaching Students: The Spirit of Collaboration at APS Raiwala" 🤝💡

In our ATL Lab, the learning never stops! Here is a glimpse of a young innovator explaining the mechanics of their latest project to a classmate. We believe that peer-to-peer knowledge sharing is the most powerful tool for building confidence and a deeper understanding of technology.



Beyond Textbooks: The Power of Practical Discovery!" 🧠 ⚡

At APS Raiwala, we believe that true understanding comes from getting your hands dirty! Our students are embracing the 'Learning by Doing' mantra in the ATL Lab, where abstract concepts in physics and electronics transform into tangible working models. Watch our young innovators turn theory into reality!



Bridging the Innovation Gap: APS Raiwala Welcomes Our Community!" 🤝 ⚡

Under the aegis of the Vidyanjali Programme, APS Raiwala is proud to open the doors of our Atal Tinkering Lab (ATL) to students from neighboring government and government-aided schools. We believe that innovation knows no boundaries. By sharing our state-of-the-art resources, we aim to ignite a passion for STEM and empower every young mind in our community to dream, design, and develop!



Connections Made at APS Raiwala!" 🧑‍🔧💧

Our young innovators are busy soldering in the ATL Lab, turning loose components into working machines. It's all about the "Learning by Doing" spirit as we build 21st-century skills with steady hands and bright ideas!

#YoungEngineers #SolderingSkills #APSRaiwala #ATLLab #STEMHandsOn



Leading the Way in Community Innovation: A Vision for Inclusive Growth" 🤝🚀

Under the visionary leadership of our Chairman and Higher Authorities, Army Public School Raiwala is proud to champion the Vidyanjali Programme. By inviting students from neighboring Government and Government-aided schools to explore our Atal Tinkering Lab (ATL), we are bridging the digital divide. Our leadership believes that by sharing our world-class STEM resources, we can ignite a collective passion for innovation across the entire Raiwala community.