

From Curiosity to Competence: M.K. DAV Public School Inaugurates Advanced Science Laboratories

M.K. DAV Public School, Daltonganj ushered in a new chapter in experiential education with the inauguration of its newly refurbished Physics, Chemistry and Biology Laboratories. The occasion reflected the school's continued endeavour to provide learners with academic spaces where scientific ideas are explored through observation, investigation and evidence-based inquiry.

The programme commenced with the a melodious welcome song presented by the students. Then saplings were offered to the Chief Guest, Dr. Sandip Kumar, District Education Officer, Palamau, as a mark of respect. The event was further graced by the distinguished presence of Dr. Sanjeev Srivastava, Principal, DAV Engineering College, Sardar Gurbeer Singh, LMC Member and Sardar Saheb Singh, Councillor, Ward No. 21, whose presence added significance to the occasion.

Dr. Sandip Kumar formally inaugurated the three laboratories and toured the facilities. Equipped with contemporary instruments and thoughtfully designed work stations, the laboratories have been created to strengthen concept-based learning through direct engagement with scientific processes. During the visit, the dignitaries interacted with students and appreciated the school's initiative to enrich science education through well-equipped learning spaces.

The Physics Laboratory offers opportunities to investigate motion, optics, electricity, magnetism and wave phenomena through hands-on experimentation enabling students to relate mathematical principles to observable outcomes. The Chemistry Laboratory provides a safe environment for qualitative analysis, volumetric estimations, preparation of solutions and the study of chemical reactions allowing learners to understand matter through careful experimentation. The Biology Laboratory introduces students to microscopy, slide preparation, specimen observation and the study of living systems encouraging close examination of biological structures and life processes with scientific accuracy.

These laboratories resonate with the vision of the National Education Policy 2020 which places strong emphasis on inquiry-based learning, experiential education and scientific temperament. By encouraging

students to frame questions, test hypotheses and interpret observations with evidence, the laboratories transform science into a process of exploration rather than mere memorisation helping learners develop analytical thinking and intellectual curiosity.

Addressing the gathering, the Chief Guest observed that laboratories are places where knowledge acquires depth through experience. He encouraged students to cultivate precision in observation, intellectual honesty in experimentation and confidence in questioning, the qualities that form the foundation of meaningful scientific learning.

Speaking on the occasion, the Honourable Principal MRS. INDRANI CHATTERJEE remarked that these laboratories have been envisioned as spaces where curiosity is translated into understanding through investigation and thoughtful experimentation. She stated that providing students with opportunities to examine, analyse and verify scientific concepts is essential for nurturing independent thinkers who approach knowledge with reason and evidence. She described these laboratories as places where knowledge sheds abstraction and assumes the texture of experience.

The programme left the students inspired by the possibilities that the new laboratories offer. More than an addition to the school's infrastructure, these facilities stand as vibrant vortex of discovery where scientific ideas will be explored with curiosity, discipline and informed inquiry.



















