

Grade X students go for a field visit at CSIR National Chemical Laboratory, Pune

The Grade X students of The Orchid School on 9th January 2024 visited the CSIR National Chemical Laboratory in Pune. The visit likely aimed to - provide practical exposure to chemistry and biochemistry, introduce students to advanced lab technologies, inspire interest in scientific careers, and foster curiosity and understanding of science.

They explored labs for organic and basic chemistry, learning about chemical processes and high-tech equipment. They saw different chemical processes at various temperatures, understanding how temperature affects reactions. They also learned about Thin Layer Chromatography, used to analyze compounds based on their properties.

The students got hands-on experience with essential lab tools like the Rotary Evaporator and learned about specialized equipment like the Glow Box. They also discovered Titration, a key method in chemistry, and explored the Biochemistry Sciences Lab to understand DNA and its sequencing. A highlight was using the Oxford Nanopore Sequencing instrument, which helped them understand advanced DNA sequencing methods.

Overall, this trip expanded their understanding of chemistry and biochemistry practically and theoretically. It introduced them to various lab techniques and advanced technologies, boosting their interest in science.



