



THE LAWRENCE SCHOOL, SANAWAR® **CAMPUS AS A CURRICULUM**

Field Trip of Upper-V Students Sewage Treatment Plant

Date: 30th July 2024

Location: PD Field

Subject: Visit to STP -Water Conservation and Management



ACTIVITY: Experiential learning: Practical and mind developing learning skills are key features of CBSE Curriculum.

To enhance learning and applying practical knowledge to real life problems, Class X students visited PD Field to see the sewage treatment plant installed in the school. the Water Treatment Plant study serves to educate students on essential water purification processes and provides valuable learning experiences through practical, classroom-based activities

MOTIVE:

1. To integrate STP education into school curricula with the objective to engage students in hands-on activities, experiments, and field trips to STPs to enhance their understanding of essential water purification processes and its impact on the environment.
- 2.

The primary goal of this visit was to understand the processes involved in purifying water to ensure it is safe for consumption and use. This involved, exploring the various stages of water treatment, including screening, coagulation, sedimentation, filtration, and disinfection.

LEARNING OUTCOMES:

Through classroom activities centered on the Water Treatment Plant, students achieve several key learning outcomes:

1. To raise Awareness of Water Management: STP education raises awareness about the water management cycle, highlighting the journey of wastewater from its generation to treatment and discharge. Understanding this process fosters a sense of responsibility and encourages individuals to conserve water and prevent pollution.

2. Understanding Treatment Processes: Students gain a comprehensive understanding of the different stages involved in water treatment and the scientific principles underlying each stage.

3. Application of Theoretical Knowledge: Classroom activities provide practical applications of theoretical concepts, helping students to connect classroom learning with real-world water treatment practices.

4. Critical Thinking and Problem-Solving: Activities are designed to encourage critical thinking and problem-solving skills as students analyze and address challenges related to water treatment processes.

5. Awareness of Environmental Impact: Students develop an awareness of the environmental impact of water treatment and the importance of sustainable practices in managing water resources.

6. Collaboration and Communication: Group activities and discussions foster collaboration and enhance communication skills as students work together to solve problems and present their findings.

Teacher: Samita Mukherjee