

REPORT - DISCOVERY LAB (September - November)

‘Seeing is believing’ in science: unravelling the power of observation.

Science, at its core, is an endeavour to understand and explain the natural world through empirical evidence and logical reasoning. While theoretical models play a crucial role, observation lies at the heart of scientific inquiry. The phrase “seeing is believing” resonates deeply within the scientific community, as it encapsulates the fundamental importance of direct observation and empirical evidence in advancing our understanding.

Keeping this in mind, various activities were planned for the students of classes VI, VII, and VIII for the months, September to November.

Observation not only serves as a means of generating data but also sparks curiosity and inspires new avenues of research. Remarkable scientific discoveries often stem from keen observations. Observational anomalies challenge scientists to question prevailing knowledge and develop novel explanations. Thus, observation not only confirms existing beliefs but also acts as a catalyst for scientific progress.

Discovery Lab provides students with various observations that help the students to formulate their own ideas, fosters curiosity, encourages creativity and self-directing learning and develops critical thinking and problem-solving abilities.

Students of class VI, VII and VIII were engaged in fun filled and interactive lab activities which included transpiration in plants, conduction by stem, parts of a flower, functions of roots, types of joints in human skeleton, properties of air, making a simple electric circuit, methods of transfer of heat, different types of thermometers, vegetative propagation in plants, calculating maximum height, methods of reproduction in animals etc. This helped the students to appreciate the importance of practical application through observation and hands on activities.