

## REPORT - DISCOVERY LAB (July - August)



**Learning by doing** is an active learning methodology based on experience to assimilate concepts through actions. It also encourages the student to learn from mistakes and draw conclusions after analysing the practice in a clear spirit of continuous improvement. Keeping this in mind, various activities were planned for the students of classes VI, VII, and VIII for the months of July and August.

The **objective of learning by doing** essentially seeks to prevent the student from forgetting the knowledge learned over time through experience instead of passively assimilating concepts through memory.

Discovery Lab provides students with hands on activities, helps 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 solving puzzles based on adaptive features of living organisms, various ancient and standard measurement methods, activities based on types of motion, classification of various objects, concept of shadows, principle of kaleidoscope and periscope, effects of electric current, principle of fuse and MCB, mechanism of breathing, factors affecting friction, structure of flame and understanding the reasons of different colours in different zones of a flame, etc. This helped the students to appreciate the importance of practical application.

Laboratory activities and experiments ensure development of keen interest and curiosity about science in these little scientists which encourages them to participate in various science research programmes and events.