

## **PHYSICS LABORATORY**

The well-planned, spacious and well-equipped Physics Laboratory has all the interesting sets of equipment to facilitate in reinforcing scientific and experimental concepts and developing investigative skills. There are models, chart instruments, kits and experimental gadgets to meet the needs of the students. In the physics laboratory, students discover the law that governs a certain phenomenon or verify a given law that is derived from a theory.



## **CHEMISTRY LAB**

The Chemistry Laboratory has been designed keeping in mind all the statutory norms and safety standards. It is well ventilated as well as spacious. It has some of the most accurate digital measurement equipment needed to measure chemicals. Here students develop scientific temper along with the ability to analyze, match, calculate, integrate and draw conclusions. In the laboratory, students learn to handle equipment and chemicals. They improve their understanding of various chemical reactions and chemical processes. This enables individual verification of important experimental facts. The logic and reasoning skills developed in this laboratory will go a long way in ensuring success in later life.



## BIOLOGY LABORATORY

In the Biology Laboratory, students study detailed structures, morphological, histological and physiological aspects of plants and animals. Studying slides under the microscope or studying museum specimens creates a natural curiosity towards nature and the joy of knowing the flora and fauna around us.

All the equipment and samples we have in the laboratory are open for use by school students under careful supervision. It is a place where our students are given the opportunity to 'discover' before they are 'told'. Children have the freedom to make models and projects by taking advantage of the laboratory facilities.



## MATH LAB

A well-equipped Mathematics laboratory has been set up in line with CBSE guidelines and recommendations. Hands-on exploration of concrete content develops 'conceptual understanding' and 'problem-solving skills'. The primary objectives of the mathematics laboratory are:

- To help overcome the fear of mathematics (algebra and geometry) among students by making mathematics learning more meaningful and fun.
- To make mathematics more practical and life-oriented.
- To provide study and test taking skills.
- Practicing interactive mathematics on computers.
- To advance mathematical modeling of real-life problems to come up with guided discovery activities and collaborative learning in groups.
- Providing alternative instruction using a wide range of audio and video resources.