

SOPS AT THE CHEMISTRY LABORATORY

The Chemistry laboratory is one equipped with not only large number of chemicals but also several sophisticated equipment which if not stored properly or not handled adequately. could prove detrimental.

We at the Chemistry Department of St. Xavier's College take utmost care to ensure the following SOPs are compulsorily adopted. The following are the standard measures:

FROM INDIVIDUAL POINT OF VIEW:

1. At the beginning of the academic year the students are oriented with the do's and don'ts in the laboratory, and also made aware of the facilities in the laboratory and steps to be taken in case of any mishap.
2. Students are instructed to work cautiously in the lab.
3. Avoid eating in the lab.
4. Students are instructed to never work in isolation and absence of the teacher.
5. Students are instructed to carry out heating such that it is directed away from their fellow students.
6. They are instructed to immediately report to the teacher if case of an emergency, and perform steps only if instructed by the teacher in charge.
7. Running about and playing with ice is strictly prohibited.
8. The gas valves are to be checked before lighting the burners. They are instructed to immediately switch of the valve in case of a fire or inform the attendants so the main gas valve can be switched off.
9. They are advised to use acids from the fumehood to avoid inhalation of the gases, to tie their hair up, use lab coat, safety goggles and gloves while handling corrosive chemicals.

FROM THE INFRASTRUCTURAL AND SAFETY EQUIPMENT POINT OF VIEW:

1. Two easily accessible doors which act as both, entry and exit to two separate laboratories connected by another door.
2. Fire extinguishers in both the laboratories and lab staff are trained to use the same at the call of distress.
3. The store has a First Aid box to provide for minor accidents.
4. An eyewash spray in both the laboratories.
5. The chemicals are properly stored and arrangements are made to safely dispose the waste.
6. Instructions to handle instruments are strictly to be followed.