

PM SHRI KENDRIYA VIDYALAYA
MEENAMBAKKAM,
CHENNAI-16



DEPARTMENT OF CHEMISTRY



“Liebig taught the world two great lessons. The first was that in order to teach Chemistry it was necessary that students should be taken into a laboratory. The second lesson was that he who is to apply scientific thought and method to industrial problems must have a thorough knowledge of the sciences. The world learned the first lesson more readily than it learned the second.”- Ira Remsen

Hands-on learning has become a common phrase in science education. Hands-on learning is the only way students can directly observe and understand chemistry. As students develop effective techniques for observing and testing everything around them, they learn the What, How, When and Why, of things with which they interact. These experiences are necessary for youngsters of today are to remain “turned-on” to chemistry.

Chemistry Laboratory in PM Shri KV Minambakkam

S.No	Item/Facility	Specifications/Usage
1	Standard room size/dimensions	Lab size with capacity to accommodate a group of 20 students for classes XI and XII.
2	Store	8 cupboards as per plan of the lab and number of students.
3	Teacher’s study room	One room with sufficient furniture for two teachers.
4	Light	Laboratory receives ample day light apart from sufficient number of tube lights.
5	Wooden Table /Work Top	6 wooden tables made of ceramic tiles resistant to acids, bases and strong chemicals.
6	Lab Stools	Wooden and steel stools of suitable height
7	Power supply	Sufficient power supply
8	Water supply	Sufficient water supply at 9 water points
9	Fire extinguisher	One
10	Exhaust and ventilator	One, well ventilated with wide windows
11	Gas supply	Available
12	Display Boards	One inside the lab

Equipment/Usage

1	Apparatus	The lab has equipped sufficient apparatus as per CBSE norms for XI and XII Practical/Activities/Demo experiments so that each student gets independent set of apparatus.
2	Personal Computer	One PC with latest configuration with Internet connection and one LCD projector.
3	Digital Balance	Two digital balances to prepare standard reagents.
4	Conduct of practicals	Two batches per week from each class will visit the lab.
5	Demonstration	The syllabus is supplemented with demonstration.

6	Science Exhibition	Vidyalaya level science exhibitions are held every year.
7	Projects	Investigatory projects/National Children Science Congress projects are done.

Keeping Lab Functional:

1	Maintenance of equipment	The equipment maintained functional and necessary repair work whenever needed is carried out periodically.
2	Fire Extinguisher	One Refilled.
3	Electrical Maintenance	Done periodically and as and when required
4	Gas Maintenance	Refilled as and when required.
5	Stock Verification	Done every year in the month of March.
6	Condemnation	List prepared and submitted to office in the month of March
7	Procurement	Procured in the beginning of the academic year and when there is an immediate need.

- Cupboards under the worktable are used for storing consumables and non-consumables of non-frequent use. Those which are frequently are kept in open cupboards.
- Concentrated acids are kept in sand baths.
- The lab has two functional doors for exit.
- The exhaust fans are used during practicals.

