

## Working Paper

**“A teacher can never truly teach unless he is still learning himself. A lamp can never light another lamp unless it continues to burn its own flame”:- Rabindra Nath Tagore**

DAV CMC has undertaken a task of providing quality Education at its Schools in the Country. In order to ensure the quality there is continuous effort to provide in-service training to the teachers.

Since the implementation of the policy of decentralization of training, DAV Centre of Academic Excellence, DAVCMC has created a team of Master Trainers of the main areas and subjects at different level to cater to need based capacity building programmes for Teachers on Cluster/ Regional level independently.

### Purpose

Responding to pressing needs of Clusters for Master Trainers of Chemistry at Senior Secondary level, DAVCAE took up the project of conducting Master Trainers Programmes at senior secondary level in the Academic Session 2018 – 19.

At the beginning, DAVCAE has **planned 3-Day Capacity Building Programme for Master Trainers of- Chemistry at Senior Secondary Level.** The main aim of the programme is to enhance the training ability of master trainers on one hand and on the other hand equip them with new teaching skill and helping them to stay abreast with latest knowledge. The 3 day Capacity Building Programme is undertaken to validate the scientific knowledge and facilitate the need based training and then endeavour to transfer the training from workshop to classrooms for the greater interest of students.

The training of master trainers at Senior Secondary level aims to make (Chemistry) learning inquiry based. This actually aims at teaching a student in such a manner that student arrives at scientific concept through activities, experiments, meaningful discussion with peers, collection and organisation of data .Along with this, it prepares the students future ready.

## **Learning Objectives for the participants of the programme are to:**

- Sensitise Master Trainers to their new responsibilities and role as Master Trainers at Senior Secondary Level at Cluster/RTCs
- Enrich them with skills to design and conduct the training programmes.
- Equip them with effective strategies and methods of teaching inquiry based Science.
- Help the master trainers to understand the central objective of Science and apply the same to solve problems and thus, develop critical thinking in students so as to judge the credibility of the scientific information when presented to them.
- Increase the ability to observe and analyse.
- Incorporate activities and hands on while teaching abstract topics.

## **Learning Outcomes**

### **By the end of the programme the participants will be able to :**

- Guide others in planning inquiry based learning.
- Realise the responsibilities to be carried out at clusters.
- Prepare training material and design as per the requirement of the cluster.

## **Contents**

- Science teaching through inquiry based learning –Design 1, 2
- Role and responsibilities of Master Trainers

## **Target Group**

PGTs of Science, who have been teaching Chemistry to Classes XI and XII in DAV Schools will attend this programme. These teachers will be drawn from selected Clusters from the 77 created by DAVCAE at 55 Regional Training Centres across the Country. Cluster Heads of these Clusters will select and nominate the teachers on the basis of the selection criteria provided by DAVCAE, DAVCMC.

## **Date; Venue and RTCs /Clusters**

Date : 18 – 20 March, 2019

Venue : **Kulachi Hansraj Model School, Ph-III, Ashok Vihar, Delhi.**

RTC's : BR (10), CH (01), CG (05), DL/NCR (06), HP (07), JK (01), MH (02), MP (02), RJ (03), UP (03), UL (02), WB (02)

## **The Design of the Programme**

The programme will be conducted in interactive mode. Group work, brainstorming , demonstrations, experimentation, group discussions, hands –on –learning shall be the virtual strategies and methods which will be used by the experts.

## **Resource Team :**

Eminent Resource persons from University of Delhi, NCERT, CBSE will conduct the different training sessions.

## **Logistics**

It is a residential course except for the delegates of Delhi and NCR . For out station delegates accommodation has been arranged at safe and hygienic hotels Delhi. DAV Staff will be on duty to coordinate the stay and commuting of delegates to the venue.