

Workshop on Introduction to Activity Based Learning in Primary Mathematics

Introduction

Mathematics is not a difficult subject but it is made difficult by the way we teach it. If we have to remove the fear of mathematics from the minds of our students we need to retrospect our mathematics teaching methods.

Unlike many other subjects Mathematics always builds on what is learnt in the basics. If a child does not understand some the basic concepts like place value or does not get the abstract number sense the mathematics becomes a mere set of rules. The gaps in understanding that creep in at primary level keep on widening till the student starts to dread the subject.

Hence we strongly feel that correction to our mathematics teaching should start from primary mathematics teaching.

This is a two day workshop aimed at demonstrating and learning primary mathematics using the do and discovers approach. This is an intensive training in activity based teaching of primary mathematics.

What is covered in the workshop?

The workshop is conducted in 4 sessions

Session I: Pedagogy

- Introduction and discussion on why and how the mathematics learning is difficult.
- Pedagogy of activity based learning
- Languages of mathematics

Session II: Introductory Concepts in Mathematics

- Introduction to concept of numbers
- Introduction to zero
- Addition and subtraction single digit

Session III: The beginning of un- understanding

- Two digit numbers/ place value concept
- Multiplication

Session IV: Recap and moving forward

- How to take the method forward
- Evaluations

Who should attend?

Teachers teaching primary classes and parents.

Participation

Considering this is a workshop where the participants will do a number of activities it is necessary to restrict the maximum number of participants to 25.

Logistics

A hall where the participants can sit in groups and work on the tables.