Title of the workshop:
KEEPING UP TO DATE WITH INTERMEDIATE AND SENIOR PHASE METHODS

Name of presenter(s): MICKY LAVERY

Institution where you are employed: RADMASTE CENTRE, WITS

Target audience: SENIOR AND FET PHASE

Motivation for the workshop: Often when a Senior phase or FET learner struggles with a section of work, we go back to the way we were taught in order to help the learner. The way we were taught is not necessarily the way the learner was taught if they were taught those sections at all. In some cases we have no background knowledge on the topic as it is a new topic in the curriculum. CAPS has a new approach to concept building. This workshop aims to fill the gaps thereby building confidence in participants.

Description of content of workshop
The workshop will cover the following topics: Long division, common fractions, integers and patterns.
Introduction 20 minutes: Concept building strategies used in the Intermediate and Senior Phase on long division, common fractions, integers and patterns will be offered.
Participants will be asked to form groups of 3 to 5 members.
Group work 50 minutes: Questions will be shared between the groups. Groups will have to answer a question listed below and explain how they will teach this to a Senior or FET Phase learner based on concept building strategies used in the Intermediate and Senior Phase.
Report back 30 minutes: Groups report back
Summing up: 20 minutes

An abstract describing the level, nature and content of the workshop

- Question 1: A learner is struggling to write $(2x^3 + x^2 - 3x + 1) \div (x - 1)$ as dividend $\times$ quotient + remainder
- Question 2: A learner applies the laws for addition and subtraction of fractions to multiplication and division of fractions $\frac{2}{3} of \frac{5}{6} = \frac{12 \times 15}{18}$
- Question 3: A learner applies the laws for multiplication and division of integers to addition and subtraction of integers $-2a - 5a + 3a = 7a - 3a = -4a$
- Question 4:A learner is struggling to find a rule for a linear pattern: -2; -5; -8; -11;…

Reference CAPS Grades 4 to 12