

# KS2&3: Multiple Maths Representations and Manipulatives

**So you've invested in manipulatives, now do you know what to do with them?  
Make the most of the manipulative resources you have invested in.**

## Course Outline

Get hands-on to explore a varied range of topics from substituting to solving equations, place value to proportion and calculating to fractions.

After exploring the research and evidence around the use of manipulatives and representations, you'll learn how to teach a variety of mathematical topics using representations and manipulatives; the cornerstone of a successful mastery approach. However, you do not have to be considering mastery to benefit; this approach can be used to teach a range of mathematical concepts effectively.

Expect to leave inspired and equipped to implement engaging approaches in your classroom immediately. Through participation teachers will gain a strong understanding and increased confidence when teaching for mastery.

## Manipulatives and Representations will include:

- Cuisenaire rods
- Bar models
- Balances
- Algebra Tiles
- Double sided Counters

## By the end of the session delegates will:

- Leave with a clear understanding of how to move pupils from the concrete to the abstract
- Comprehend the importance of multiple representations of the same concept
- Have a wealth of easy-to-use, practical ways to make the most of your math resources.

## Phase

Primary and Secondary

## Audience

Primary Teachers  
Teaching Assistants  
NQTs  
Senior Leaders  
Subject Leaders  
Head Teachers

## Trainer

Rose Keating

## Date

12/11/2019

*Lunch will be provided*

## Time

9.00 am - 4.00 pm

## Venue

Norwich Professional Development Centre

## Cost

£170 per delegate

## Course Ref

TLS-1119-T008

**This full day discussion of multiple representations is suitable for teachers of mathematics in any phase, with the ideas covering mathematics from both primary and secondary curriculums.**



**For more information and to make a booking**  
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