

911 Maths: Differentiation with a Difference

Date: Thursday 28 February 2019

Venue: Holiday Inn, Regent's Park, Carburton Street, London W1W 5EE

Cost: Online £229 (non IAPS members – additional £100)

'Differentiation with a Difference' might sound like advanced level mathematics, but this course is not about teaching children calculus; instead, it is about ensuring that every child is able to participate in maths lessons and is appropriately challenged.

Differentiation in maths lessons does not have to mean splitting the class into three groups and giving each group a different worksheet to complete. Instead, differentiation can involve finding enriching, engaging tasks that are suitable for everyone and allow the children to feel like part of a classroom community. Low Threshold High Ceiling tasks differentiate between the needs of individual learners by allowing every pupil to begin working at their own level, yet also offering opportunities for learners to engage with much more challenging mathematics. This course will focus on Low Threshold High Ceiling tasks that cover core curriculum content whilst also encouraging learners to think like mathematicians and develop a deep understanding of mathematical concepts.

In order for every child to feel like they are part of a classroom community, it is important that they have a grasp of fundamental mathematical concepts. Sometimes there are gaps in children's understanding and these gaps need to be filled to enable those children to feel like they are integrated into that mathematical community. This course will also look at strategies for addressing gaps in learners' understanding of place value, fractions and decimals.

Audience: Heads of Maths, Maths Teachers KS2-KS3

Objectives: This course will explore how to meet the needs of all learners in maths lessons through Low Threshold High Ceiling tasks that provide appropriate levels of challenge for all pupils. This course will also look at approaches to addressing gaps in learners' conceptual understanding of core mathematical concepts, such as place value and fractions, so that they are able to integrate in the classroom.

Course Director: Paul Borrows, IAPS Maths Subject Adviser

Speaker: Fran Watson, NRICH, Primary PD Co-ordinator

Programme

1000 Registration and coffee

1030 Welcome and Introduction

1035 Unpacking Low Threshold High Ceiling Tasks

This session will focus on using those tasks which most students can access, because the mathematical content is appropriately pitched, yet which offer opportunities for learners to extend their thinking and reasoning skills through the choices they make and the questions posed about it.

1230 Lunch

Cont'd...

CANCELLATION If a delegate cancels his or her application up to and including 4 weeks prior to the date, a refund of 75% of the fee will be given. 50% of the fee will be refunded up to and including 2 weeks prior to the date. Thereafter, IAPS regrets that no refund can be made. **INSURANCE** IAPS regrets that it cannot accept liability for loss or damage however caused to the personal property of any person attending this or any other event organised under the auspices of the Association.

Book online at iaps.uk

IAPS, 11 Waterloo Place, Leamington Spa CV32 5LA
Telephone 01926 887833 Email east@iaps.uk

IAPS Registered in England number 187052 VAT Registration number 240050327



Excellence in Education

The Independent Association
of Prep Schools

-2-

1330 Minding the Gap

During this interactive workshop delegates will have the opportunity to: engage in a variety of rich mathematical tasks to illustrate the progression of the primary and secondary curriculum's fraction content, dig deeper into misconceptions and associated teaching opportunities, and develop group-working skills in the context of fractions, decimals, percentages and our place value system.

1600 Depart

Delegates are advised to bring laptop/tablet on the day.

CANCELLATION If a delegate cancels his or her application up to and including 4 weeks prior to the date, a refund of 75% of the fee will be given. 50% of the fee will be refunded up to and including 2 weeks prior to the date. Thereafter, IAPS regrets that no refund can be made. **INSURANCE** IAPS regrets that it cannot accept liability for loss or damage however caused to the personal property of any person attending this or any other event organised under the auspices of the Association.

Book online at iaps.uk

IAPS, 11 Waterloo Place, Leamington Spa CV32 5LA
Telephone 01926 887833 Email east@iaps.uk

IAPS Registered in England number 187052 VAT Registration number 240050327



Location Details

Holiday Inn
LONDON-REGENT'S PARK
CARBURTON STREET
LONDON, W1W5EE

Tel :0870-4009111



Underground

Great Portland St station 60 metres (Circle, metropolitan and Hammersmith and city lines)

Warren St station ¼ mile (Northern and Victoria lines)

Regents Park station ¼ mile (Bakerloo line)

Rail

Euston ¾ mile,

Kings Cross St. Pancras 1 mile

Paddington 2 miles (for the Heathrow Express)

Air

Heathrow Airport 19 miles

Gatwick Airport 29 miles