



## Secondary Maths Departments Annual CPD Events

NW3 Maths Hub is pleased to offer an academic year of Teaching and Learning CPD sessions for your whole department throughout 2019-20.

Sessions will take place between **4 and 6pm**.

Tea, coffee and biscuits will be provided on arrival.

**ALL SESSIONS ARE FREE OF CHARGE FOR YOUR ENTIRE DEPARTMENT.**

However you must book beforehand by emailing Paula Foster at [paula.foster@three-saints.org.uk](mailto:paula.foster@three-saints.org.uk)

<p><b>Autumn Term 1</b> Thurs 19<sup>th</sup> September 2019</p> <p><b>Catherine Van Saarloos</b> @CoreMathsCat</p> <p><b>Probability in the courtroom</b></p> <p>Although Hannah's sweets certainly caused some controversy in 2015 a misunderstanding of probability can have life changing consequences. This session will explore ways of presenting probability in the context of law and health and approaches to support students make sense of complex problems.</p> <p><b>RAINFORD HIGH TECHNOLOGY COLLEGE</b></p>	<p><b>Autumn Term 2</b> Thursday 21<sup>st</sup> November</p> <p><b>Rob Eastaway</b> @robeastaway</p> <p><b>Maths on the back of an envelope</b></p> <p>Estimating and real world problem solving.</p> <p>Rob Eastaway is one of the UK's leading maths communicators, and the author or co-author of several bestselling books including 'Maths for Mums &amp; Dads' (written with Mike Askew), 'Why Do Buses Come in Threes?' and 'How To Remember Almost Everything Ever'. His latest book, 'Maths on the back of an Envelope' is published in September.</p> <p><b>RAINFORD HIGH TECHNOLOGY COLLEGE</b></p>
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### Spring Term 1

Thursday 30<sup>th</sup> January 2020

**Pete Mattock**

@MrMattock

### Using representations to make sense of mathematics

Concepts in mathematics are, by their nature, abstract. Even the most basic ideas of number and operation exist in the realms of pure thought, although they have concrete roots. This session will explore how different representations can reveal different truths about mathematical concepts, and open up different ways of making sense of the abstract world of mathematics.

**ST JOHN BOSCO ARTS COLLEGE**

### Spring Term 2

Thursday 19<sup>th</sup> March 2020

**Bobby Seagull**

@Bobby\_Seagull

Bobby Seagull co-presents the Monkman and Seagull Genius Guide on BBC2, has written a book, The Life Changing Magic of Numbers.

Using a refreshing new approach that might easily encompass both Superman and the Football League Tables Bobby will combine personal anecdotes of learning maths as a pupil and now a teacher. He will share ideas of how to convey the importance of a thorough going understanding of maths that will be a help and strength in both academic and personal life based on an inspiring introduction to the subject at school.

**ST JOHN BOSCO ARTS COLLEGE**

### Summer Term 1

Wednesday 29<sup>th</sup> April 2020

**Craig Barton**

@mrbartonmaths

### How I wish I'd taught maths: 2 years on.

It will have been 2 years since Craig's best-selling book came out. In this session he reflects on his current thinking, what he has changed his mind about, what he is working on now, and how schools around the country has adapted and put into practice the core ideas from the book

**ST JOHN BOSCO ARTS COLLEGE**

### Summer Term 2

Monday 29<sup>th</sup> June 2020

**NRICH**

@nrichmaths

### Making the most of the Resource of the Year.

In this highly interactive workshop, NRICH Director Ems Lord will showcase ways to maximise the potential of NRICH, and the wider Millennium Mathematics Project, with your students. NRICH is one of the largest mathematics outreach projects in the world, attracting over 40 million page views during the last year which also saw the team awarded Resource of the Year by Above and Beyond.

**ST JOHN BOSCO ARTS COLLEGE**